BellSouth Telecommunications, Inc.
Alabama Public Service Commission
Docket No. 29242
Joint Petitioners' 1st Request for Production
April 6, 2003
Item No. 2-5(C)-1

ATTACHMENT TO REQUEST FOR PRODUCTION, ITEM NO. 2-5(C)-1 IS PROPRIETARY

ISSUE: What rates, terms and conditions should apply in the event of a termination, re-termination, or physical rearrangements of circuits?

REQUEST: Provide all documents identified in response to Interrogatory 2-5(C)-2, including documents that identify the specific methods, procedures, and functions performed, and state the amount of the costs that BellSouth incurs from such method, procedure and function, in converting a circuit that requires re-termination. Include a BellSouth cost study and cost study information compiled in accordance with FCC TELRIC rules.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to this objection and without waiving this objection, see BellSouth's responses to the Joint Petitioners' First Set of Interrogatories, Item No. 2-5(C)-2 and the Joint Petitioners' First Production of Documents, Item No. 2-4(B)-1.

ISSUE: What rates, terms and conditions should apply in the event of a termination, re-termination, or physical rearrangements of circuits?

REQUEST: Provide all documents identified in response to Interrogatory 2-5(C)-3, including documents that identify the specific methods, procedures, and functions performed, and state the amount of the costs that BellSouth incurs from such method, procedure and function, when terminating a circuit. Include a BellSouth cost study and cost study information compiled in accordance with FCC TELRIC rules.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, please see the attached document, which is proprietary. Also see BellSouth's response to the Joint Petitioners' First Production of Documents, Item No. 2-4(B)-1.

BellSouth Telecommunications, Inc.
Alabama Public Service Commission
Docket No. 29242
Joint Petitioners' 1st Request for Production
April 6, 2003
Item No. 2-5(C)-3

ATTACHMENT TO REQUEST FOR PRODUCTION, ITEM NO. 2-5(C)-3 IS PROPRIETARY

ISSUE: What rates, terms and conditions should apply in the event of a termination, re-termination, or physical rearrangements of circuits?

REQUEST: Provide all documents identified in response to Interrogatory 2-5(C)-4, including documents that identify the specific methods, procedures, and functions performed, and state the amount of the costs that BellSouth incurs from such method, procedure and function, when performing a physical rearrangement of a circuit. Include a BellSouth cost study and cost study information compiled in accordance with FCC TELRIC rules.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to this objection and without waiving this objection, see BellSouth's responses to the Joint Petitioners' First Set of Interrogatories, Item No. 2-5(C)-4. and the Joint Petitioners' First Request for Production of Documents, Item No. 2-4(B)-1.

ISSUE: What rates, terms and conditions should apply for Routine Network Modifications pursuant to 47 C.F.R. §51.319(a)(8) and (e)(5)?

REQUEST: Provide all documents identified in response to Interrogatory 2-7-1, including documents that identify the specific Routine Network Modifications that BellSouth did not account for in cost study information submitted to the Commission in the context of a proceeding during which the Commission determined, established or adopted UNE rates.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, BellSouth has no documents responsive to the request as written. However, in an effort to be responsive, see BellSouth's response to Joint Petitioner's 1st Request for Interrogatories, Item 2-7-1.

ISSUE: What rates, terms and conditions should apply for Routine Network Modifications pursuant to 47 C.F.R. §51.319(a)(8) and (e)(5)?

REQUEST: Provide all documents identified in response to Interrogatory 2-7-2, including documents regarding Routine Network Modifications set forth in response to Interrogatory 2-7-1, identifying the specific methods, procedures, and functions performed, and state the amount of the costs that BellSouth incurs from such method, procedure and function, when terminating a circuit. Include a BellSouth cost study and cost study information compiled in accordance with FCC TELRIC rules.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, see BellSouth's response to the Joint Petitioners' First Set of Interrogatories, Item No. 2-7-1. See also BellSouth's Interconnection website at:
(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm).

ISSUE: Should the recurring charges for UNEs, Combinations and Other Services be prorated based upon the number of days that the UNEs are in service?

REQUEST: Provide all documents identified in response to Interrogatory 2-10-1, including documents, in which BellSouth discusses, explains, adopts or refers to a policy regarding a minimum billing period or minimum period of service for UNEs, Combinations or Other Services.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, BellSouth's policy regarding minimum billing period or minimum period of service for UNEs is included in BellSouth's Standard Interconnection Agreement posted on its Interconnection Services website located at: http://www.interconnection.bellsouth.com/become_a_clec/docs/ics_agreement.pdf. In addition, see BellSouth's E2.4 of the Alabama Access Services Tariff as well as B2.4 of BellSouth's Alabama Private Line Service Tariff.

ISSUE: Should the recurring charges for UNEs, Combinations and Other Services be prorated based upon the number of days that the UNEs are in service?

REQUEST: Provide all documents identified in response to Interrogatory 2-10-2, including documents that explain how minimum billing periods or minimum periods of service for UNEs, Combinations or Other Services were accounted for in cost study information submitted to the Commission in the context of a proceeding during which the Commission determined, established or adopted UNE rates.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website **(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm)**. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to this objection and without waiving this objection, BellSouth has no responsive documents because UNE cost studies do not have a specific cost element for minimum billing periods.

ISSUE: Should the Agreement include a provision declaring that facilities that terminate to another carrier's switch or premises, a cell site, Mobile Switching Center or base station do not constitute loops?

REQUEST: Provide all documents identified in response to Interrogatory 2-12-1, including documents in which BellSouth discusses, explains, adopts or refers to its position that facilities that terminate to another carrier's switch or premises, a cell site, Mobile Switching Center or base station do not constitute loops.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein. Additionally, the requested information is irrelevant in light of the FCC's decision in the TRO wherein it held that cell sites are not loops. (TRO Order , footnote 1116) (D.C. Circuit Court, Case 00-1012, pages *29-33)* BellSouth further objects on the grounds of attorney/client privilege and work product doctrine.

Subject to and without waiving the foregoing objections, responsive documents are attached, of which some are proprietary, and see also: www.interconnection.bellsouth.com/guides.

BellSouth Telecommunications, Inc.
Alabama Public Service Commission
Docket No. 29242
Joint Petitioners' 1st Request for Production
April 6, 2003
Item No. 2-12-1
Attachment 1

ATTACHMENT TO REQUEST FOR PRODUCTION, ITEM NO. 2-12-1

BellSouth Telecommunications
Interconnection Services
675 W Peachtree Street, NE
Room 34S91
Atlanta, GA 30075

Jerry Hendrix
Assistant Vice President

(404) 927-7503
Fax (404) 529-7839
e-mail: jerry.hendrix@bellsouth.com

October 31, 2002

VIA ELECTRONIC MAIL

Mr. Jerry Weikle
Director – External Affairs
CTC Exchange Services, Inc.
68 Cabarrus Avenue East
P. O. Box 227
Concord, NC 28026

Dear Mr. Weikle:

This letter is in response to your September 24, 2002 letter regarding Unbundled Network Elements (UNE) used by CTC Exchange Services, Inc. (CTC) for the provisioning of wireless services.

I did not intend to imply that BellSouth is prohibited from provisioning UNEs to Competitive Local Exchange Carriers (CLEC) that are used to provide services to wireless carriers. My letter was to inform you that BellSouth is not obligated to authorize such use and does not chose to do so at this time. The fact that CTC is a CLEC rather than a Commercial Mobile Radio Service (CMRS) provider does not change BellSouth's obligations to provide UNEs for the ultimate provision of wireless services.

BellSouth is not obligated to provide UNEs to any telecommunications provider for the provisioning of wireless traffic because the Federal Communications Commission (FCC) has not performed the requisite impairment analysis on the wireless market. The wireless market is in a different legal category from the local telephone exchange market. The FCC has not determined whether any particular element meets the "necessary and impair" standard that invokes the unbundling obligation for such element with respect to the wireless market. Such a determination is required prior to any element being deemed a UNE in that market. The Supplemental Order Clarification, CC Docket. No. 96-98, adopted May 19, 2000, and released June 2, 2000 (Supplemental Order Clarification), discusses an analogous situation. Paragraph 14, in part, says:

> "The exchange access market occupies a different legal category from the market for telephone exchange services...Unless we find that these markets are

> inextricably interrelated in these other respects, it is unlikely that Congress intended to compel us, once we determine that a network element meets the 'impair' standard for the local exchange market, to grant competitors access – for that reason alone, and without further inquiry – to that same network element solely or primarily for use in the exchange access market."

The same reasoning applies to the wireless market. It occupies a distinct legal category from the local telephone exchange market.

Paragraph 15 of the FCC's Supplemental Order Clarification states, "...section 251(d)(2) does not compel us, once we determine that any network element meets the 'impair' standard for one market, to grant competitors automatic access to that same network element solely or primarily for use in a different market." Paragraph 16 goes on to state that the FCC does "not impose [unbundling] obligations first and conduct our 'impair' inquiry afterwards." Simply because CTC is a CLEC does not entitle it access to UNEs when such UNEs will be used to provision wireless traffic.

Moreover, the Interconnection Agreement between BellSouth and CTC does not contain a UNE that would allow CTC to provide such a service. For example, a loop is defined in Section 2.1.2 of Attachment 2 of the Agreement 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."

This definition was taken directly from the FCC's definition in 47 C.F.R 51.319(a)(1). It is clear that a circuit to a cell site does not meet this definition. A cell site is not an end user premises, but, rather, it is a hardware component in the wireless network. The wireless carrier cannot be considered an end user, as the subscriber who roams off of the cell site is the actual end user. To presume the carrier is an end user is to ignore the fact that the wireless carrier is actually using the facilities to provide service to subscribers.

Further, although the FCC has not defined "end user" for UNE purposes, the use of the term in the FCC's regulations accords with the definition of "end user" that the Commission established in the access arena. Accordingly, pursuant to the Interconnection Agreement and FCC's definitions codified at 47 CFR 51.319, a circuit to a cell site fails to meet the UNE requirements for a loop.

Next, Dedicated Transport is defined in Section 6.3.2 of Attachment 2 of the Agreement 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."

Again, this definition was taken directly from the FCC's definition in 47 C.F.R. 51.319(d)(1)(A), and again, a circuit to a cell site cannot meet this definition, as a cell site is neither a switch nor a wire center.

Because CTC has improperly used UNEs, BellSouth is well within its rights to compensation for the services CTC should have ordered. BellSouth did not identify the rate that CTC would be charged because CTC may provide this service to its customer a number of different ways. For instance, it may resell wireless services from the Private Line tariff or it may order services from the FCC tariff. My letter asked that CTC place the orders precisely so that CTC could chose how to provision the services it desires to provide to its customer. BellSouth requested that CTC move these circuits to the appropriate service within 60 days, which was October 26, 2002. If no orders have been submitted by November 7, 2002, to move these circuits to the appropriate service, BellSouth will submit the orders on CTC's behalf. Regardless, CTC's bill will be adjusted immediately to reflect the appropriate rates.

I sincerely hope that this letter fully addresses your concern. Thank you for your assistance and cooperation in this matter.

Sincerely,

Jerry D. Hendrix
Assistant Vice President
Interconnection Services Marketing

cc: Patrick Higgins

BellSouth Telecommunications
Interconnection Services
675 West Peachtree Street NE
Room 34S91
Atlanta, GA 30375

Jerry D. Hendrix
Assistant Vice President

(404) 927-7503
Fax (404) 529-7839
e-mail jerry.hendrix@bellsouth.com

April 30, 2004

John Garrison
Public Staff, Communications Division
North Carolina Utilities Commission
4326 Mail Service Center
Raleigh, North Carolina 27699-4326

Dear Mr. Garrison:

This is in response to your request to provide further explanation as to BellSouth's position regarding the provision of unbundled network elements ("UNEs") to serve wireless customers. I understand you have reviewed BellSouth's response to DukeNet Communications, L.L.C. ("DukeNet") with respect to this issue, including BellSouth's comments filed April 8, 2002, in the FCC's Triennial UNE Review docket, CC Dkt. Nos. 01-338, 96-98, and 98-147. While you are correct that the FCC will be addressing this issue prospectively in connection with the Triennial Review, it is BellSouth's position that the FCC's decision in this docket will be the first decision that addresses whether UNEs must be available to serve wireless customers. At present there is no such requirement.

Currently, BellSouth does not allow wireless carriers to purchase unbundled network elements, as it has no legal or regulatory obligation to do so. While DukeNet is a CLP, the UNE it recently sought to purchase was for the ultimate provision of wireless services. DukeNet requested that BellSouth provide it with dark fiber for a wireless carrier customer. Based on discussions with DukeNet, BellSouth understood the dark fiber was to terminate at the wireless carrier's cell site. For several reasons, BellSouth denied this request.

First, the interconnection agreement between BellSouth and DukeNet does not contain terms that would allow DukeNet to place such an order. DukeNet ordered a Dark Fiber Local Channel pursuant to Section 6.4.2 of Attachment 2. A Local Channel is defined in Section 6.2.1.1 of Attachment 2 as a "dedicated transmission path between DukeNet's Point of Presence ("POP") and DukeNet's collocation space in the BellSouth Serving Wire Center for DukeNet's POP." Clearly, DukeNet's request for dark fiber to a cell site does not fall within this definition. Moreover, Dark Fiber Local Channel is a dedicated transport network element. 47 CFR 51.319(d)(1) defines dedicated transport as a transmission facility that provides telecommunications between switches or between wire centers. A cell site is neither a switch nor a wire center and as such fails to meet the definition of this UNE.

Dark Fiber is also available as an Interoffice Channel and a Loop, but neither would allow DukeNet to order a facility to a cell site. An Interoffice Channel is defined in Section 6.2.1.2 "...as the dedicated transmission path that provides telecommunication between BellSouth's Serving Wire Centers' collocations." A cell site does not fit this definition. A Dark Fiber Loop, which is defined in Attachment 2, Section 2.8.7.2 is, "...a point to point arrangement from an ***end user's*** premises connected via a cross connect to the demarcation point associated with DukeNet's collocation space in the end user's serving wire center" (emphasis added). A cell site is not an end user premises, but rather it is a hardware component in the wireless network. Although DukeNet may attempt to persuade the NCUC that its wireless carrier customer is an end user, such an argument would be misleading. The wireless carrier cannot be considered an end user, as the subscriber who roams off of the cell site is the actual end user. To presume the carrier is an end user is to ignore the fact that the wireless carrier is actually using the facilities to provide service to subscribers. Further, although the FCC has not defined "end user" for UNE purposes, the use of the term in the FCC's regulations accords with the definition of "end user" that the Commission established in the access arena.[1] Accordingly, under the interconnection agreement between the Parties and pursuant to the FCC's definitions codified a 47 CFR 51.319, the dark fiber sought by DukeNet fails to meet the UNE requirements.

Second, the wireless market is completely different from the local telephone exchange market. The FCC has not determined whether any particular element meets the "necessary and impair" standard that invokes the unbundling obligation for such element with respect to the wireless market. Such a determination is required prior to any element being deemed a UNE in that market. The Supplemental Order Clarification, CC Dkt. No. 96-98 adopted May 19, 2000 and released June 2, 2000 ("Supplemental Order Clarification"), discusses an analogous situation. Paragraph 14, in part, says, "The exchange access market occupies a different legal category from the market for telephone exchange services...Unless we find that these markets are inextricably interrelated in these other respects, it is unlikely that Congress intended to compel us, once we determine that a network element meets the 'impair' standard for the local exchange market, to grant competitors access – for that reason alone, and without further inquiry – to that same network element solely or primarily for use in the exchange access market." The same statement could be made about the wireless market. It occupies a distinct legal category and the FCC has not done an impairment analysis for the wireless market.

Without an impairment analysis, no unbundling obligation exists, as illustrated by Paragraph 15 of the Supplemental Order Clarification, which says, "...section 251(d)(2) does not compel us, once we determine that any network element meets the 'impair' standard for one market, to grant competitors automatic access to that same network element solely or primarily for use in a different market." Paragraph 16 goes on to state that the FCC does "not impose [unbundling] obligations first and conduct our 'impair' inquiry afterwards."

DukeNet is assuming exactly the opposite in arguing that UNEs are available in the wireless market because the FCC has not yet found in connection with an impairment analysis that UNEs are unavailable for the provisioning of wireless service. Simply because DukeNet is a CLP does not entitle it to access to UNEs when such UNEs will be used by the wireless carriers. Wireless carriers may not purchase UNEs under their

[1] 47 C.F.R. § 69.2(m) states: *End User* means any customer of an interstate or foreign telecommunications service that is not a carrier except that a carrier other than a telephone company shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller[.]

interconnection agreements with BellSouth and are merely trying to game the system knowing full well that the FCC included a Petition for Declaratory Ruling by two wireless carriers (VoiceStream and AT&T Wireless) in the Trienniel Review. Because this issue is squarely before the FCC, BellSouth believes that the Parties must await a clear ruling, which is expected later this year.

BellSouth believes it is in full compliance with the current state of the law and with its interconnection agreement with respect to unbundling obligations. Because BellSouth does not have a specific written request from you, it is difficult to assess all of your concerns. This issue is very complex and BellSouth has additional information that may assist your specific concerns. Therefore, at your request, we will be happy to meet with you and the Public Staff Attorneys to explain further the terms of the parties' interconnection agreement and BellSouth's interpretation of the existing law and regulations relative to this topic.

Sincerely,

Jerry Hendrix
Assistant Vice President
Interconnection Services Marketing

CC: Leah Cooper
Edward Rankin

BellSouth Interconnection Services
675 West Peachtree Street
Atlanta, Georgia 30375

Carrier Notification
SN91083274

Date: August 14, 2002

To: Competitive Local Exchange Carriers (CLECs) and Commercial Mobile Radio Service (CMRS) Carriers

Subject: CLECs and CMRS - Availability of Unbundled Network Elements (UNE) for the Provisioning of Wireless Services

BellSouth is not required to provide to requesting carriers access to UNEs for the purpose of serving wireless carrier customers or for wireless carriers themselves. Therefore, this is to advise that BellSouth will not allow CLECs or wireless carriers to purchase UNEs or convert existing special access circuits to UNEs if such circuits will be used to ultimately provide wireless services.

The Federal Communications Commission (FCC) has not performed the requisite impairment analysis to determine whether wireless providers are impaired by not having access to UNEs. This issue is currently before the FCC as part of its Triennial Review of UNEs. In this proceeding, the FCC specifically seeks comment on whether wireless carriers are entitled to UNEs or need UNEs. Further, at issue in the proceeding is whether certain wireless circuits even meet the FCC's definition of transport.

Several CLECs have recently placed orders for UNE circuits instead of tariffed wireless services. BellSouth will not accept such orders. Until such time as the FCC decides this issue, BellSouth will not provide access/conversion to UNEs regardless of whether the ordering carrier is a CMRS provider or CLEC. In addition, if discovered, any UNE circuits currently being used for wireless services must be switched to tariffed services immediately.

If you have questions, please contact your BellSouth Local Contract Manager.

Sincerely,

ORIGINAL SIGNED BY JERRY HENDRIX

Jerry Hendrix – Assistant Vice President
BellSouth Interconnection Services

-----Original Message-----

From: Hendrix, Jerry D
Sent: Tuesday, April 16, 2002 8:08 AM
To: Hurst, Michael; Honeycutt, Ed; Allison, Wanda; George, Leeverta; James, Bob; Irvin, Sheri; Sartino, Deborah; Shiroishi, Beth; Starcher, Nancy; Tipton, Pam
Cc: Bryant, Elliott
Subject: UNEs for Wireless

Michael, you sent an email on 4/15 stating "It is Company policy that wireless companies do qualify to purchase UNE products." **That is totally incorrect.** We do not have such a policy. Just to be clear, **wireless carriers do NOT qualify to purchase UNE products. That is the policy!**

BELLSOUTH

BellSouth Unbundled Voice Loop – SL1

BellSouth Unbundled Voice Loop – Service Level One (UVL-SL1)
Revised CLEC Information Package

Version 1
March 24, 2004

BellSouth Unbundled Voice Loop – SL1

Table of Contents

BellSouth Unbundled Voice Loop – SL1

1. Introduction & Scope

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

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

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

BellSouth Unbundled Voice Loop – SL1

2. Service Description

The voice grade Unbundled Voice Loop – Service Level 1 (UVL-SL1) is a dedicated analog transmission facility from BellSouth's main distribution frame (MDF) to an end user's premise. This loop will allow and end user to send and receive normal voice telecommunications traffic when it is connected to a switch that provides dial tone. This facility will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the loop to the customer's inside wiring. This loop is configured as a 2-wire facility.

3. Service Capabilities

UVL-SL1 is a 2-Wire non-designed circuit with loop start signaling. No Design Layout Record (DLR) will be included. UVL-SL1 will be provisioned without remote test access points.

BellSouth offers the following ***chargeable options*** that may be ordered with the UVL-SL1 Loops:

- **Order Coordination** (OC) is available per UVL-SL1 Loop when reuse of existing facilities has been requested by the CLEC. The purpose of OC is to convert an existing facility that is currently providing service to the CLEC's network in a manner that minimizes service interruption for the end user.
- **Order Coordination-Time Specific** (OC-TS) conversions are available for coordinated conversion when the CLEC is requesting a specific time for the conversion to take place. OC is required per loop when OC-TS is ordered. OC-TS is charged on per Local Service Request (LSR).
- **Engineering Information** (EI) Document is available and provides information similar to the DLR.
- **Loop Testing** is available and must be ordered at the time the **NEW** UVL-SL1 Loop order is placed.
- **Loop Tagging** is available and must be ordered at the time the **NEW** UVL-SL1 Loop order is placed. The loop tagging option ensures that the UVL-SL1 loop is tagged during the provisioning process. Tagging on the loop will include the CLEC name and the Circuit ID Number. ***Loop Tagging is only available on manual orders at this time.***
- Unbundled UVL Loops are not available for purchase or for conversion from Special Access or Private Line if the Loop will be used to provide telecommunications services to wireless cell sites or Mobile Telephone Switching Office (MTSO) locations.

BellSouth Unbundled Voice Loop – SL1

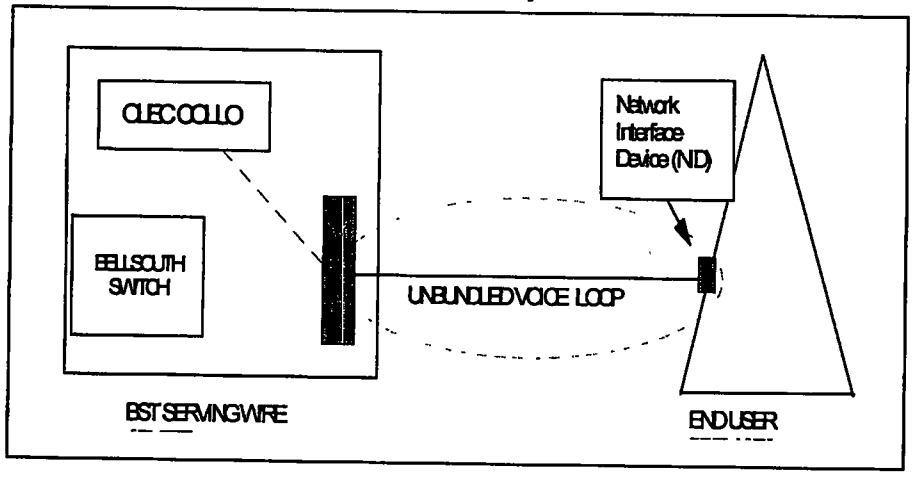
4. Technical Requirements

UVL-SL1 will be delivered to the CLEC at their collocation space via cross-connect. The cross-connect is a separate collocation element, which may have its own additional charge. Once this connection is made, the CLEC will provide connectivity needed to take the circuit back to its switch.

UVL-SL1 will be provisioned as a 2 Wire loop start circuit and will meet technical specifications as described in **BellSouth's Technical Reference 73600 (TR73600).**

The CLEC may provision any telecommunications service over these loops. However, all BellSouth's unbundled voice loops (UVLs) are intended for analog voice grade services and accordingly, will be provisioned, maintained and repaired in a manner that supports voice grade services.

5. Network Configuration – UVL-SL1 Loop



BellSouth Unbundled Voice Loop – SL1

7. Ordering

The CLEC may submit UVL-SL1 orders manually or electronically. The CLEC will complete and submit a LSR form according to the guidelines in the **BellSouth Local Ordering Handbook.**

The following information that is unique to UVL – SL1 is also required on the LSR:

LSR Form	Information Required
NC	TY- -
DRC	To request EI document provide: **LMU**
RESID	Provide the Facility Reservation Number (FRN) if obtained through the Loop Make-up (LMU) process.
REMARKS (***manual only***)	To request "Loop Testing" for **NEW** UVL-SL1 loops provide the following: **LOOP Testing REQUESTED**
REMARKS (***manual only***)	If CLEC is requesting Loop Tagging, they would add the following information. **LOOP TAGGING REQUESTED**

BellSouth Unbundled Voice Loop – SL1

8. Rate Elements & USOCs

UVL-SL1 terms, conditions and rates must be included in the CLEC's Interconnection Agreement.

Rate Element	USOC
2 Wire Unbundled Voice Loop	UEAL2
Manual Order Coordination (Optional)	UEAMC
Order Coordination - Time Specific (Optional)	OCOSL
Engineering Information Document (Optional)	UEANM
Loop Testing – Basic 1st Half Hour (Optional)	URET1
Loop Testing – Basic Additional Half Hour (Optional)	URETA
Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise (Optional)	URETL

Other Non-Recurring Charges

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

Manual Service Order – Service Order Manual (SOMAN) charge applies for orders submitted manually.

Electronic Service Order – Service Order Mechanized (SOMEC) charge for orders submitted electronically.

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

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

Overtime Charge – Applies for requests that result in work being performed outside of normal working hours. Normal working hours for provisioning work are between 8 a.m. and 5 p.m. local time.

Trouble Determination Charges – applies for dispatch outside the central office if "no trouble found".

BellSouth Unbundled Voice Loop – SL1

9. Intervals

9.1 Standard Intervals

Refer to the **BellSouth Products and Services Interval Guide** for the 2 Wire UVL-SL1 standard intervals.

9.2 One Day (1) Interval

The CLEC may request a 1-day interval for a sub-set of UVL-SL1 Loop orders. The following table contains the UVL-SL1 conditions for which CLEC may request a 1-day interval:

1-Day interval conditions	Required action
No LNP	Indicate Req Type A on the LSR
Non-Coordinated	Indicate 'CHC does not = Y' on the LSR
Facility must be connected through (CT)	Must verify in LMU
No Integrated Digital Loop Carrier (IDLC) on reserved facility	Must verify in LMU
No Digital Added Main Line (DAML) on reserved facility	Must verify in LMU
New Loop (no reuse, ACT=N)	Populate **RESID** field with the Facility Reservation Number **(FRN)** obtained from LMU
Re-Used facility (ACT=V)	Populate **RESID** field with **NOIDLC**

The 1-day interval is only available on orders submitted manually at this time.

BellSouth Unbundled Voice Loop – SL1

10. Maintenance & Repair

The CLEC is responsible for testing and pre-screening any trouble conditions to ensure the trouble is with the UVL-SL1 loop before calling BellSouth. If the CLEC's testing isolates the repair problem to the UVl-SL1 loop, the CLEC should notify the Customer Wholesale Interconnection Network Services (CWINS) Center. The CLEC will provide its test results indicating the problem is on the UNE Loop.

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

- UVL-SL1 Circuit ID
- Description of the trouble

If a trouble is reported and no trouble is found, BellSouth will charge the CLEC for any dispatches and tests required in order to confirm the loop's working status.

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

BellSouth UNE Maintenance Targets are used for the service repair target intervals. The Maintenance Target intervals can be found in the **BellSouth Operational Understanding Guide** in Appendix B.

11. Contract Specific Provisions

Before any UVL-SL1 loop compatible loop can be ordered, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for this Loop. This agreement must be in effect for all states where the CLEC plans to order these unbundled loops.

The information contained herein applies to the UVl-SL1 general offering. The general offering is in accordance with BellSouth's policies, procedures and regulatory obligations as well as the standard BellSouth Interconnection Agreement.

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

BellSouth Unbundled Voice Loop – SL1

12. Acronyms

ACT=N	Activity = New
ACT=V	Activity = Migration with changes
CHC	Coordinated Hot Cut
CLEC	Competitive Local Exchange Carrier
CWINS	Customer Wholesale Interconnection Network Services
DAML	Digital Added Main Line
DLR	Design Layout Record
DRC	Design Routing Code
EI	Engineering Information
FOC	Firm Order Confirmation
IDLC	Integrated Digital Loop Carrier
LCSC	Local Carrier Service Center
LNP	Local Number Portability
LMU	Loop Make Up
LSR	Local Service Request
MTSO	Mobile Telephone Switching Office
NC	Network Channel
NID	Network Interface Device
OC	Order Coordination
OC-TS	Order Coordination – Time Specific
RESID	Reservation Identification Number
TR73600	Technical Reference 73600
UNE	Unbundled Network Element
USOC	Universal Service Order Code
UVL-SL1	Unbundled Voice Loop – Service Level 1

Unbundled Copper Loop – Non-Designed

Revised CLEC Information Package, Version 1

BellSouth Unbundled Copper Loop – Non-Designed

Table of Contents

BellSouth Unbundled Copper Loop – Non-Designed

1. Introduction & Scope

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

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

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

BellSouth Unbundled Copper Loop – Non-Designed

2. Service Description

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

UCL-ND will be a "**dry copper**" facility in that it will not have any intervening equipment such as load coils, repeaters, or Digital Access Main Lines ("DAMLs"). The UCL-ND loop may contain bridge tap of up to 6000 feet (exclusive of the loop length between the end user's premises and Serving Wire Center (SWC). UCL-ND typically will be 1300 Ohms resistance and in most cases will not exceed 18,000 feet in length, although UCL-ND will not have a specific length limitation. For loops less than 18,000 and with less than 1300 Ohms resistance, the loop will provide a voice grade transmission channel suitable for loop start signaling and the transport of analog voice grade signals. UCL-ND is a non-designed loop and will not be provisioned with either a Design Layout Record (DLR) or a test point.

3. Service Capabilities and Options

BellSouth offers Order Coordination (OC) as a chargeable option per UCL-ND loop when reuse of existing facilities has been requested by the CLEC. The purpose of OC is to convert an existing facility to the CLEC' s service in a manner that minimizes dial-tone interruption for the end user.

As a chargeable option, a CLEC may also order an Engineering Information (EI) Document that provides loop information similar to information provided on a DLR for an SL2 loop.

CLEC may request "Loop Testing" as a billable option. "Loop Testing" for UNE Non-Design products is defined as testing consistent with Plain Old Telephone Service (POTS) type services.

On UCL-ND loops if the CLEC has not requested "Loop Testing" or "Order Coordination" then the CLEC will check the **CLEC Service Order Tracking System (CSOTS)**. CSOTS is posted to the WEB on "Due Date + 1" to check on status of the loop. BellSouth Technician/UNE CWINS Center **will not notify the CLEC.**

As a chargeable option, the CLEC may order **Loop Tagging** to ensure that the UCL-ND loop is tagged during the provisioning process. This tag will include the CLEC name and the Circuit ND Number. The Loop Tagging option must be requested on the same order as the UCL-ND Loop. No testing will be performed during this tagging process unless the Loop Testing element is also ordered.

BellSouth Unbundled Copper Loop – Non-Designed

Service Capabilities and Options (continued)

The CLEC may request BellSouth's Unbundled Loop Modification (ULM) to condition a copper loop as UCL-ND by specifying ULM options using a Service Inquiry (SI). The CLEC may also select the Pre-Approved ULM option on the LSR. Pre-Approved ULM allows the CLEC to authorize BellSouth (without additional permission from the CLEC) to perform ULM in the event it is discovered during the provisioning process that there is a discrepancy in the LMU records and the facility does need modifying. In these situations, the loop facility will be modified to the UCL-ND technical parameters specified in the BellSouth's **TR-73600.**

BellSouth will use the ULM to modify the loop facility to UCL-ND specifications. The rates for ULM are in addition to the UCL-ND. For additional ULM information, refer to the **Unbundled Loop Modification for Copper Loops CLEC Information Package**

These loops are not intended to support any particular service s and may be utilized by the CLEC to provide a wide range of telecommunications services as long as these services comply with industry standards and do not adversely affect BellSouth's network.

UCL-ND Loops are not available for purchase if the Loops will be used to provide telecommunications services to wireless cell sites or Mobile Telephone Switching Office (MTSO) locations.).

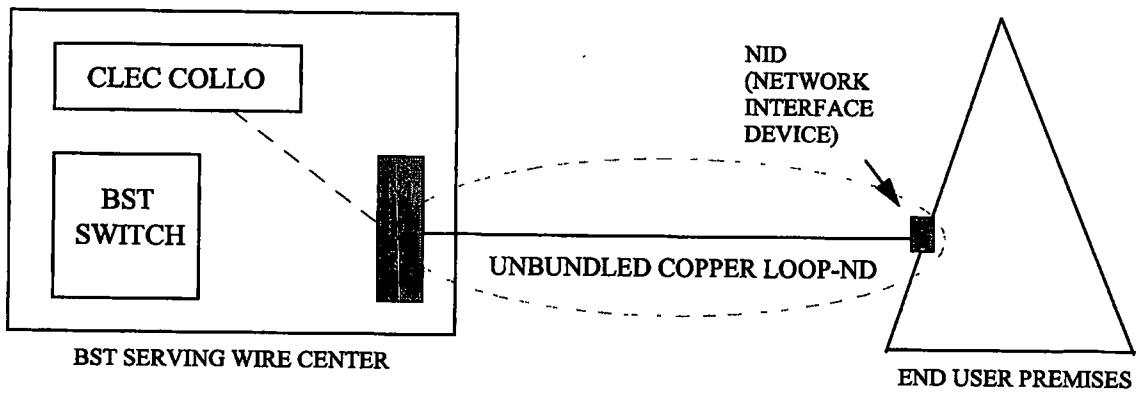
BellSouth Unbundled Copper Loop – Non-Designed

4. Technical Requirements

UCL-ND will be delivered to the CLEC at its collocation space via a cross-connect. The cross-connect is a separate collocation element that may have its own additional charges. Once this connection is made, the CLEC will provide connectivity needed to take the circuit back to its switch. .

UCL-ND will be provisioned as a 2 Wire circuit and will meet technical specifications as described in BellSouth's **TR-73600**.

5. Network Configuration



BellSouth Unbundled Copper Loop – Non-Designed

6. Service Order Requirements

The Local Carrier Service Center (LCSC) will receive and process orders by submission of the Local Service Request (LSR) from the CLEC. CLECs may submit orders manually or electronically.

Local Service Request (LSR) Form

The CLEC will complete a Local Service Request (LSR) according to the **Local Ordering Handbook** (formerly named "*BellSouth Business Rules for Local Ordering*"). The following information that is unique to ADSL/HDSL is also required on the LSR:

LSR Field	Information Required
NC	TXT-
DRC	LMU (Populated when the CLEC is requesting an Engineering Information (EI) Document from BellSouth
REMARKS (manual orders only)	If CLEC is requesting Loop Testing, they would add the following information: **LOOP TESTING REQUESTED**
REMARKS (manual orders only)	If CLEC is requesting Loop Tagging, they would add the following information: **LOOP TAGGING REQUESTED**
SCA (manual orders only)	If the Pre-Approved ULM option is chosen, populate with a "Y".
RESID (electronic orders)	Provide the FRN if requested through LMU process
REMARKS (manual orders)	Provide the FRN if requested through LMU process
REMARKS (electronic orders)	If using the Pre-Approved ULM Electronic Ordering Interim Process populate the following in RMKS: *Attn OPSE – CLEC Pre-Approves any necessary Loop Mod per SCA Y*

BellSouth Unbundled Copper Loop – Non-Designed

7. UCL-ND with ULM*

The CLEC may request ULM on UCL-ND orders. BellSouth will modify the loop facility as described in the **ULM for Copper Loops CLEC Information Package.**

7.1 ULM* on New Loop Orders

If ULM is requested, the CLEC must submit the ULM request on a Service Inquiry (SI). Following are the requirements for submitting a SI.

- CLEC will prepare the SI request and the LSR.
- Refer to the **"Service Inquiry/Instructions for Preparing Service Inquiry"** for the SI.
- CLEC sends the SI and LSR Firm Order to the CRSG UNE Team.
- Refer to the **Complex Resale Support Group** web site and then click on **"Unbundled Network Orders"** for submission requirements.
- SI receipt acknowledgement by BellSouth will be in the same manner in which the CLEC submitted the SI.

7.2 Pre-Approved ULM* Electronic Ordering Interim Process

Pre-Approved ULM option may be ordered on an electronic UCL-ND Loop order using the Electronic Ordering Interim Process for Pre-Approved ULM. This process is only available until such time that Electronic Ordering for Pre-Approved ULM is implemented.

- Obtain LMU with FRN
- Populate the RESID field with the FRN
- Place the following comment in the RMKS section of the electronic order: *Attn OSPE – CLEC Pre-Approves any necessary Loop Mod per SCA Y*
- Submit the electronic order

7.3 Pre-Approved ULM* Manual Ordering Process

- Obtain LMU with FRN
- Input the FRN in the RMKS section of the LSR
- Populate SCA field on the LSR with a "Y"
- Submit the manual order LSR to the Local Carrier Service Center (LCSC)
- No SI required

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* **Note:** BellSouth will attempt to perform a pair change in lieu of ULM. If a pair change is feasible, the facility provisioned will meet or exceed specifications of the requested loop modification. The standard interval for the ADSL or HDSL Loop will be applied and will begin at the time the service order is updated to indicate "pair change in lieu of ULM". If a pair change is performed, the CLEC will not be charged for ULM.

BellSouth Unbundled Copper Loop – Non-Designed

8. Rate Elements & USOCs

Rates for UCL-ND Loops must be included in the CLEC's Interconnection Agreement. The table below contains the UCL-ND USOC and associated USOC elements.

Rate Element	USOC
Unbundled Copper Loop Non-Designed, Non-Loaded, 2 Wire	UEQ2X
Physical, Expanded Interconnection Service, 2 Wire Cross-Connect, Loop, Provisioning	PE1P2
Unbundled Voice Loop, Cross – Connect, 2 Wire Loop, Provisioning	UEAC2
Unbundled Sub-Loops, Manual Order Coordination Charge	USBMC
Unbundled Miscellaneous Rate Element, Loop Testing, Basic Time, Normally Scheduled Working Hours, 1st Half Hour or Fraction Thereof	URET1
Unbundled Miscellaneous Rate Element, Loop Testing, Basic Time, Normally Scheduled Working Hours, Each Additional Half Hour or Fraction Thereof	URETA
Service Order Charge for CLECS, Manual Service Order Charge	SOMAN
Service Order Charge for CLECS, Mechanized	SOMEC
Unbundled Copper Loop, Non-Designed Billing for BST providing make-up	UEQMU
Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise	URETL

Other Non-Recurring Charges

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

Manual Service Order – Applies if order is manually submitted.

Electronic Service Order – Applies if order is electronically submitted.

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

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

Overtime Charge – Applies for work requested outside of normal working hours. Normal working hours for provisioning work requests is between 8 a.m. and 5 p.m. local time.

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

BellSouth Unbundled Copper Loop – Non-Designed

9. Intervals

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

10. Maintenance & Repair

The CLEC is responsible for testing and pre-screening any trouble conditions to make sure the trouble is with UCL-ND before calling BellSouth. If the CLEC's testing isolates the repair problem to BellSouth's unbundled loop, the CLEC should notify the Customer Wholesale Interconnection Network Services (CWINS) Center.

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

- UCL-ND pair Circuit ID
- Description of the trouble

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

BellSouth UNE Maintenance Targets are used for the service repair target intervals. The Maintenance Target Intervals can be found in the **BellSouth Operational Understanding Guide** in Appendix B.

11. Contract Specific Provisions

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

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

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

BellSouth Unbundled Copper Loop – Non-Designed

12. Acronyms

CA/PR	Cable / Pair
CLEC	Competitive Local Exchange Carrier
CO	Central Office
CSOTS	CLEC Service Order Tracking System
CWINS	Customer Wholesale Interconnection Network Services
DLR	Design Layout Record
DRC	Design Routing Code
EI	Engineering Information
FOC	Firm Order Confirmation
LCSC	Local Carrier Service Center
LMU	Loop Make Up
LSR	Local Service Request
MTSO	Mobile Telephone Switching Offices
NC	Network Channel
NID	Network Interface Device
OC	Order Coordination
SWC	Serving Wire Center
TR-73600	Technical Reference-73600
UCL-ND	Unbundled Copper Loop – Non-Design
ULM	Unbundled Loop Modification
UNE	Unbundled Network Element
USOC	Universal Service Order Code

Unbundled Copper Loop – Designed

Revised CLEC Information Package

Version 2

BellSouth Unbundled Copper Loop - Designed

Table of Contents

BellSouth Unbundled Copper Loop - Designed

Revisions

Version 2

1) Removed references to 'Unbundled Copper Loop/Long' (UCL/L)
2) Changed 'Unbundled Copper Loop/Short' (UCL/S) reference to Unbundled Copper Loop-Designed (UCL-D)
3) In '**7.1 SI & LSR Firm Order Transmittal via ICE**' section, added interim instructions for using the Interconnection CLEC Enabler (ICE) web interface when ordering one of the Unbundled Loop Modification – Bridged Tap removal options
4) In '**7.2 SI & LSR Firm Order Transmittal via CRSG**' section, new '**Service Inquiry/Instructions for Preparing Service Inquiry**' dated 12/11/03 will be downloaded from this section.

BellSouth Unbundled Copper Loop - Designed

1. Introduction & Scope

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

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

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

BellSouth Unbundled Copper Loop - Designed

2. Service Description

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

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

3. Service Capabilities

BellSouth will only provide the loop facilities with these offerings.

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

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

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

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

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

Unbundled Copper Loops are not available for purchase if the Loops will be used to provide telecommunications services to wireless cell sites or Mobile Telephone Switching Office (MTSO) locations.

BellSouth Unbundled Copper Loop - Designed

4. Technical Requirements

The UCL-D will be a Resistance Design (RD) loop of 1300 ohms or less and will consist of non-loaded copper with a total length of 18,000 feet or less. In addition, up to 6,000 feet of bridged tap may be included on the loop facility.

For a CLEC requested loop facility that does not meet UCL-D specifications and it is determined that the loop can be modified to meet these specifications, the CLEC may request that BellSouth's Unbundled Loop Modification (ULM). In these situations and as a chargeable option, BellSouth will use the ULM process to modify the loop facility to UCL-D Loop specifications. Refer to the **Unbundled Loop Modification for Copper Loops CLEC Information Package** for additional ULM information. The rates for ULM are in addition to the UCL-D rate.

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

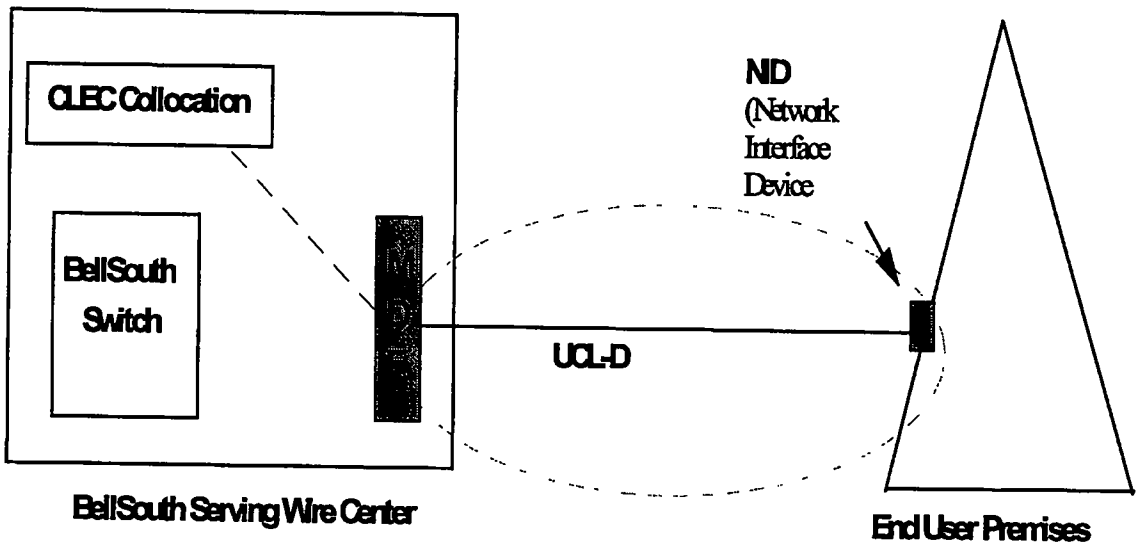
These loops are not designed or intended to provide any particular service. The loop may be attached to a variety of equipment both at the CLEC's collocation space and the end user premises. BellSouth does not guarantee a particular bit rate associated with these loops.

UCL-D will meet the parameters specified in **BellSouth's TR-73600.**

The UCL-D Loop will be delivered to the CLEC at its collocation space via a cross-connect ordered out of the Collocation offering.

BellSouth Unbundled Copper Loop - Designed

5. Network Configuration



6. Ordering Scenarios

This section will describe electronic and manual ordering scenarios available for UCL-D.

6.1 Electronic Ordering

When placing an order for a new facility, the CLEC must obtain a *Loop Make-up (LMU)* with a facility reservation number (FRN) prior to placing an electronic order. The LMU with Facility Reservation Number (FRN) option enables the CLEC to receive LMU and reserve a loop facility. For additional detail regarding the LMU/FRN process, refer to the **LMU Product Package**.

The CLEC will use the FRN when it submits an electronic order for a UCL-D. However, it should be noted that the specific loop type ordered must match the specifications of the reserved facility for which the FRN has been obtained. If the loop type the CLEC has ordered does not match the reserved facility, BellSouth Provisioning will override the FRN and attempt to provision a facility that matches the specifications of the loop type ordered. For information regarding UCL-D technical specifications refer to the to BellSouth's TR-73600.

If the CLEC has verified that an existing facility to an end user is compatible for a UCL-D, the CLEC may place the electronic order without obtaining a FRN.

The following sections will provide highlights of the various ordering scenarios for UCL-D electronic order *with and without Unbundled Loop Modification (ULM)*. For complete and detailed ordering information, refer to the **Local Ordering Handbook** *(formerly named "BellSouth Business Rules for Local Ordering")*.

6.1.1 Electronic Ordering without ULM

New Facility (Pre-Order LMU/FRN required)

- Obtain LMU with FRN
- Populate the RESID field with the FRN
- Submit the electronic order

Reuse of Existing Facility

If the UCL-D being ordered is a **reuse of an existing facility** and the CLEC is certain that the facility is compatible to the loop type being ordered, it is not necessary to obtain a FRN. The following applies:

- Prepare the electronic order and populate the RESID field with all "Xs"
- Submit the electronic order

Ordering Scenarios (continued)

BellSouth Unbundled Copper Loop - Designed

6.1.2 UCL-D with Pre-Approved ULM - Electronic Ordering Interim Process

Pre-Approved ULM option may be ordered on an electronic UCL-D order using the Electronic Ordering Interim Process for Pre-Approved ULM. This process is only available until such time that Electronic Ordering for Pre-Approved ULM is implemented. Refer to the **Unbundled Loop Modification for Copper Loops CLEC Information Package** for additional Pre-Approved ULM detail.

- Obtain LMU with FRN
- Populate the RESID field with the FRN
- Place the following comment in the RMKS section of the electronic order:

  Attn OSPE – CLEC Pre-Approves any necessary Loop Mod per SCA Y
- Submit the electronic order
- **Note:** BellSouth will attempt to perform a pair change in lieu of ULM. If a pair change is feasible, the facility provisioned will meet or exceed specifications of the requested loop modification. The standard interval for the UCL-D will be applied and will begin at the time the service order is updated to indicate "pair change in lieu of ULM". **If a pair change is performed, the CLEC will not be charged for ULM.**

6.2 Manual Ordering

The CLEC may submit UCL-D manual orders by the following methods:

- **Submit manual LSR directly to the LCSC** – CLEC must obtain and review LMU, qualify the facility for the Loop based on LMU and obtain a FRN prior to the order (Pre-Order LMU).
- **Submit Service Inquiry (SI) & LSR Firm Order** – BellSouth will qualify the facility for the UCL-D; or CLEC is requesting specified ULM.

The following sections will provide ordering highlights for submitting a UCL-D manual order *with and without Unbundled Loop Modification*. For complete and detailed ordering information, refer to the **Local Ordering Handbook.**

BellSouth Unbundled Copper Loop - Designed

6.2.1 LSR Manual Ordering without ULM

New Facility

- Obtain LMU with FRN
- Input the FRN in the RMKS section of the LSR
- Submit the manual order LSR to the Local Carrier Service Center (LCSC)
- No SI required

Reuse of Existing Facility

If the UCL-D being ordered is a **reuse of an existing facility** and the CLEC is certain that the facility is compatible to the loop type being ordered, it is not necessary to obtain a FRN. The following applies:

- Prepare the manual LSR business as usual for indicating a reuse of facility according to the guidelines in the **Local Ordering Handbook.**
- Submit the manual order LSR to the LCSC
- No SI required

6.2.2 LSR Manual Ordering with Pre-Approved ULM

1. Obtain LMU with FRN

- Input the FRN in the RMKS section of the LSR
- Populate SCA field with a "Y"
- Submit the manual order LSR to the Local Carrier Service Center (LCSC)
- No SI required
- **Note**: BellSouth will attempt to perform a pair change in lieu of ULM. If a pair change is feasible, the facility provisioned will meet or exceed specifications of the requested loop modification. The standard interval for the UCL-D will be applied and will begin at the time the service order is updated to indicate "pair change in lieu of ULM". If a pair change is performed, the CLEC will not be charged for ULM.

6.2.3 Service Inquiry (SI)/LSR Manual Ordering without ULM

- CLEC is not required to obtain a FRN since BellSouth will qualify the facility for a UCL-D. BellSouth will provide a FRN to the LCSC
- Prepare the LSR
- Prepare the SI according to the requirements in the **Service Inquiry Requirements** section 7

BellSouth Unbundled Copper Loop - Designed

Ordering Scenarios (continued)

6.2.4 SI/ LSR Manual Ordering with specified ULM

- Obtain LMU with FRN
- Prepare the LSR
- Prepare the SI with the appropriate ULM information and include the FRN of the reserved facility according to the requirements in the **Service Inquiry Requirements** section 7.

Note: BellSouth will attempt to perform a pair change in lieu of ULM. If a pair change is feasible, the facility provisioned will meet or exceed specifications of the requested loop modification. **If a pair change is performed, the CLEC will not be charged for ULM.**

6.3. Ordering Scenarios Summary

Ordering Scenario	Submission Method	CLEC Provided FRN	SCA field	LMT field	BTRL
Electronic Ordering without ULM	Electronic	FRN – RESID field on LSR	NA	NA	NA
Electronic Ordering with Pre-Approved ULM (Electronic Ordering Interim Process)	Electronic	FRN – RESID field on LSR RMKS – place comment from section 6.1.2	NA	NA	NA
LSR Manual Ordering **without ULM** (*No SI required)*	Submit to LCSC	FRN – RMKS section on LSR	NA	NA	NA
LSR Manual Ordering with Pre-Approved ULM (*No SI required)*	Submit to LCSC	FRN – RMKS section on LSR	Y	NA	NA
SI Manual Ordering without ULM	ICE or CSRG*	NA	NA	NA	NA
SI Manual Ordering with specified ULM	ICE or CSRG*	FRN on the SI	NA	NA	Indicate BT and BT location on SI

* Note: See **Service Inquiry Requirements** section below for details.

7. Service Inquiry Requirements

A Service Inquiry/LSR is required, dependent on the ordering scenarios described in the **Ordering Scenarios** section. SI/LSR transmittal options are described in 7.1and 7.2.

7.1 SI & LSR Firm Order Transmittal via ICE

ICE is a web-based interface for CLECs to submit Manual LMU SIs and xDSL SIs & LSR Firm Orders. SI submission through ICE sends the SI directly to the appropriate BellSouth Outside Plant Engineering (OSPE) group.

CLECs will need an ICE password. A password can be obtained by contacting CLEC's BellSouth Operation Support System (OSS) Representative

ICE will pre-populate the following information associated with the CLEC's login on each Manual LMU request:

- CLEC name
- CLEC Contact telephone number
- Local Serving Central Office (ACTL)
- CLEC ACNA
- CLEC BAN

The CLEC will submit the required information on detailed web screens that will allow the CLEC to use prompts, drop boxes and the help screen to input the necessary information. Once the information has been populated, the SI is submitted and will go directly to the appropriate BellSouth OSPE group for processing the SI request.

The CLEC may access ICE at this URL **http://ice.bellsouth.com**

The CLEC should refer to the **ICE User Guide*** located at the ICE web site for information about using the ICE interface.

A separate LSR form is not required when submitting the SI through ICE. A LSR will be generated from the information provided on the ICE screens and the LSR will be automatically forwarded to the LCSC.

Note:** On an interim basis when using ICE and requesting one of the ULM-Bridged Tap (ULM-BT) removal options, the CLEC must provide (exactly as stated) one of the following (only choose one) in the ICE 'Notes Tab for xDSL***':

Option 2 – Provide ULM-BT <=6000'
Option 3 – Provide ULM-BT ≥2500' & <6000'
Option 4 – Provide ULM-BT <2500'

For additional information and rules about the ULM-BT removal options, refer to the **ULM Copper Loop CLEC Information Package** and '*Service Inquiry/Instructions for Preparing Service Inquiry*" that is in section 7.2 below.

BellSouth Unbundled Copper Loop - Designed

Service Inquiry Requirements (continued)

7.2 SI & LSR Firm Order Transmittal via CRSG

- Refer to the "**Service Inquiry/Instructions for Preparing Service Inquiry**" for the SI.
- CLEC sends the SI and LSR Firm Order to the CRSG UNE Team.
- Refer to the **Complex Resale Support Group** web site and then click on "**Unbundled Network Orders**" for submission requirements.
- SI receipt acknowledgement by BellSouth will be in the same manner in which the CLEC submitted the SI.

8. NC/NCI Codes

Loop Type	NC	NCI at CLEC*	SEC NCI at End User*
2 Wire UCL-D	LX-N	02QC3.OOF	02NO2
4 Wire UCL-D	LX-N	04QC3.OOF	04NO2

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

9. Rate Elements & USOCs

Rates for UCL-D must be in the CLEC's Interconnection Agreement.

Unbundled Copper Loop-Designed Rate Elements	USOC
2 Wire UCL-D, includes manual service inquiry and facility reservation	UCLPB
2 Wire UCL-D, without manual service inquiry and facility reservation	UCLPW
4 Wire UCL-D, includes manual service inquiry and facility reservation	UCL4S
4 Wire UCL-D, without manual service inquiry and facility reservation	UCL4W
Order Coordination (per loop)	UCLMC

Other Non-Recurring Charges

Expedite Charge – applies if CLEC requests an order interval less than the stated "standard interval" in the BellSouth Products and Services Interval Guide.

Manual Service Order – applies if order is manually submitted

Electronic Service Order – applies if order is submitted electronically

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

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

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

Time & Material – Applies for CLEC requested dispatch, (outside the central office) if "no trouble found"

10. Intervals

Provisioning intervals for UCL-D can be found in the **BellSouth Products and Services Interval Guide.**

11. Maintenance & Repair Procedures

The CLEC is responsible for testing and pre-screening any trouble conditions to make sure the trouble is with UCL-D pair before calling BellSouth. If the CLEC's testing isolates the repair problem to BellSouth's unbundled loop, the CLEC should notify the Customer Wholesale Interconnection Network Services (CWINS) Center.

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

- UCL-D pair Circuit ID
- Description of the trouble

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

BellSouth UNE Maintenance Targets are used for the service repair target intervals. The Maintenance Target Intervals can be found in the **BellSouth Operational Understanding Guide** in Appendix B.

12. Contract Specific Provisions

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

The information contained herein applies to the UCL-D general offerings. The general offerings are in accordance with BellSouth policies, procedures and regulatory obligations as well as the Standard Interconnection Agreement.

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

13. Acronyms

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

BellSouth Unbundled Copper Loop - Designed

Acronyms (continued)

SECNCI	Secondary Network Channel Interface
SI	Service Inquiry
TR73600	Technical Reference 73600
UCL-D	Unbundled Copper Loop - Designed
ULM	Unbundled Loop Modification
ULM-BT	Bridged Tap
ULM-LC	Load Coil
UNE	Unbundled Network Element
USOC	Universal Service Order Code

BellSouth Unbundled DS1 Loop

Unbundled DS1 Loop

CLEC
Information Package

Version 3

BellSouth Unbundled DS1 Loop

Table of Contents

BellSouth Unbundled DS1 Loop

1. Introduction & Scope

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

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

Please contact your BellSouth Local Support Manager (LSM), if you have any questions about the information contained herein.

BellSouth Unbundled DS1 Loop

2. Revisions

Version 3

- **Ordering Information** section – the following **NC** codes are corrected:

Version 2	Version 3 – corrected:
HCD--	HCD-
HCZ--	HCZ-
HCE--	HCE-

- **Ordering Information** section – the following **SEC NC1 At End User** codes are corrected:

Version 2	Version 3 – corrected:
04DU9.1SN	04DU9.DN
04DU9.BN	04DU9.1SN

Version 2

- **Introduction & Scope** section – changed 'BellSouth Account Manager' to 'BellSouth Local Support Manager' in the last paragraph
- **Service Capabilities** section – added clarification regarding use of Unbundled DS1 Loop to wireless cell sites.
- **Ordering Information** section – added NC/NCI codes for T3CFAs.
- **Maintenance & Repair Procedures** section – provided link to "BellSouth Operational Understanding Guide" for reference to repair target intervals.

BellSouth Unbundled DS1 Loop

3. Service Description

The DS1 Loop is a 4-wire facility that is provisioned according to industry standards for DS1 or Primary Rate ISDN services. The Unbundled DS1 Loop enables full duplex 1.544 Mbps digital transmission and supports either Super Frame (SF) or Extended Super Frame (ESF) framing formats. The DS1 Loop facility will include any repeaters or other electronics to provide this loop type. It will also include 4 Wire DS1 Network Interface at the end-user's location for the purpose of connecting the loop to the end-user's inside wire.

4. Service Capabilities

The DS1 Loop is a designed circuit and is provisioned with a test point. BellSouth will provide a Design Layout Record (DLR).

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

BellSouth will perform order coordination (OC) activities associated with Number Portability and/or disconnect orders. OC is intended to convert an existing customer to a new local service provider using the DS1 Loop in a manner that minimizes the end-user's dial-tone interruption. BellSouth will notify the CLEC of the appropriate conversion time and will then perform the work within the negotiated interval.

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

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

BellSouth will provision the Unbundled DS1 Loop to the extent that facilities are available at the requested end user's location.

Unbundled DS1 Loops are not available for purchase or for conversion from Special Access or Private Line Circuits if the Unbundled DS1 Loop will be used to provide telecommunications services to wireless cell sites or Mobile Telephone Switching Office (MTSO) locations.

BellSouth Unbundled DS1 Loop

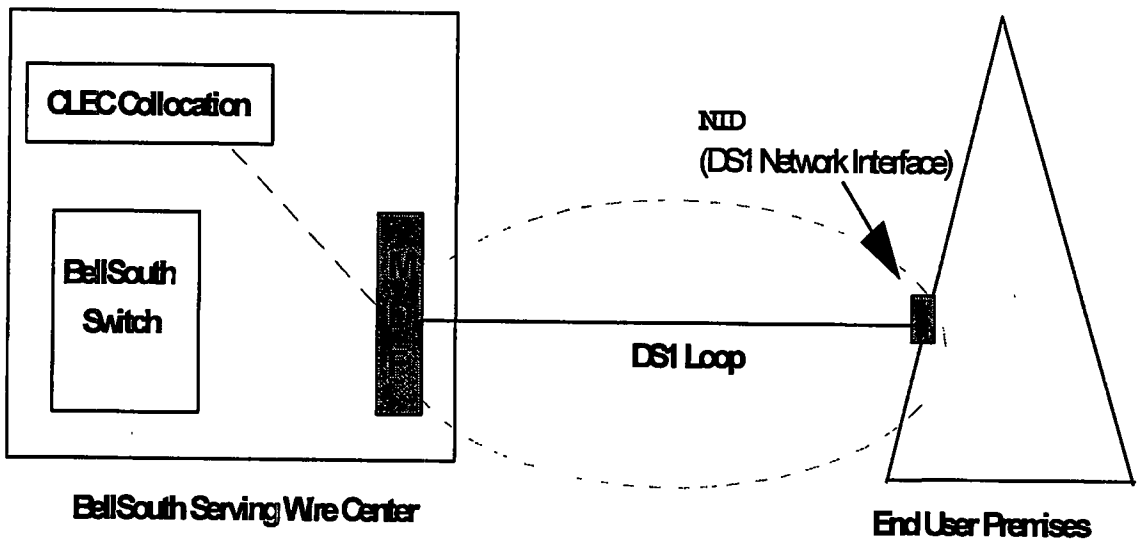
5. Technical Requirements

The DS1 Loop may be provisioned over a variety of loop transmission technologies including copper, HDSL-based technology or fiber optic transport systems. The technology used will be based upon existing capacities and distance from the central office.

The Unbundled DS1 Loop technical specifications are documented in **BellSouth's TR73600**. CLEC's equipment and method of interconnection must meet the specifications documented in the technical reference.

The Unbundled DS1 Loop will be delivered to the CLEC at its collocation space via a cross-connect ordered out of the Collocation offering.

6. Network Configuration



7. Ordering Information

Orders for the 4 Wire DS1 Loop can be placed electronically or manually. Information regarding electronic ordering and Local Service Request (LSR) form preparation can be found in the **Local Ordering Handbook** *(formerly named "BellSouth Business Rules for Local Ordering")*

The following information that is unique to a 4 Wire DS1 Loop is also required on the LSR:

LSR Field	Information Required			
NC/NCI	**Loop Type**	**NC**	**NCI* at CLEC**	**SEC NCI * at End User**
	4 Wire DS1 – Alternate Mark Inversion/Super Frame (AMI/SF)	HC--	04QB9.11	04DU9.BN
	4 Wire DS1 – Alternate Mark Inversion/Extended Super Frame (AMI/ESF)	HCD-	04QB9.11	04DU9.1KN
	4 Wire DS1 – Binary Eight Zero Substitution/Super Frame (B8ZS/SF)	HCZ-	04QB9.11	04DU9 DN
	4 Wire DS1 – Binary Eight Zero Substitution/Extended Super Frame (B8ZS/ESF)	HCE-	04QB9.11	04DU9.1SN
	4 Wire DS1- Alternate Mark Inversion/ Super Frame (AMI/SF), T3CFA	HC--	04QB6.33	04DU9.BN
	4 Wire DS1 Alternate Mark Inversion/Extended Super Frame (AMI/ESF), T3CFA	HCD-	04QB6 33	04DU9.1KN
	4 Wire DS1 – Binary Eight Zero Substitution/Super Frame (B8ZS/SF), T3CFA	HCZ-	04QB6.33	04DU9.DN
	4 Wire DS1 – Binary Eight Zero Substitution/Extended Super Frame (B8ZS/ESF), T3CFA	HCE-	04QB6.33	04DU9.1SN

*** Note:**
"0" is a numeric zero character
"O" is an alpha-numeric character

BellSouth Unbundled DS1 Loop

8. Rate Elements & USOCs

Terms, conditions and rates for the 4 Wire DS1 Loop will need to be included in the CLEC's Interconnection Agreement before a 4 Wire DS1 Loop can be ordered. Rates may vary by state.

Rate Element	USOC
Unbundled 4 Wire DS1 Loop	USLXX
Cross Connect, 4 Wire Loop provisioning	PE1P1 or CNC1X

Other Non-Recurring Charges

Expedite Charge – applies if CLEC requests an order interval less than the stated "standard interval" in the BellSouth Products and Services Interval Guide.

Manual Service Order -- applies if order is submitted manually

Electronic Service Order – applies if order is submitted electronically

Order Cancellation – applies if the CLEC cancels an order. This charge is for work associated with provisioning the 4 Wire DS1 Loop at the time the CLEC cancels an order.

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

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

Time & Material – Applies for CLEC requested dispatch, (outside the central office) if "no trouble found"

BellSouth Unbundled DS1 Loop

9. Intervals

Provisioning intervals for the 4 Wire DS1 Loop can be found in the **BellSouth Products and Services Interval Guide.**

10. Maintenance & Repair Procedures

The CLEC is responsible for testing and pre-screening any trouble conditions to make sure the trouble is with the 4 Wire DS1 Loop before calling BellSouth. If the CLEC's testing isolates the repair problem to BellSouth's unbundled loop, the CLEC should notify the Customer Wholesale Interconnection Network Services (CWINS) Center.

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

- 4 Wire DS1 Loop pair Circuit ID
- Description of the trouble

If BellSouth dispatches a technician on a CLEC reported trouble call and no 4 Wire DS1 Loop trouble is found, BellSouth will charge the CLEC for time spent on outside dispatch and for time spent testing the 4 Wire DS1 Loop.

BellSouth UNE Maintenance Targets are used for the service repair target intervals. The Maintenance Target Intervals can be found in the **BellSouth Operational Understanding Guide** in Appendix B.

11. Contract Specific Provisions

Before the 4 Wire DS1 Loop can be ordered, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for each loop type that is being requested. This agreement must be in effect for all states where the CLEC plans to order these unbundled loops.

The information contained herein applies to the 4 Wire DS1 Loop general offering and is part of the standard BellSouth agreement. The general offering is in accordance with BellSouth policies, procedures and regulatory obligations as well as the Standard Interconnection Agreement.

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

BellSouth Unbundled DS1 Loop

12. Acronyms

CLEC	Competitive Local Exchange Carrier
CLLI	Common Language Location Identifier
DLC	Digital Loop Carrier
DLR	Design Layout Record
EE	Enhanced Electronic
FOC	Firm Order Confirmation
ID	Identification
LCSC	Local Carrier Service Center
LSR	Local Service Request
MDF	Main Distribution Frame
NC	Network Channel
NCI	Network Channel Interface
NID	Network Interface Device
OC	Order Coordination
SECNCI	Secondary Network Channel Interface
TR73600	Technical Reference 73600
UNE	Unbundled Network Element
USOC	Universal Service Order Code

ISSUE: Should the Agreement include a provision declaring that facilities that terminate to another carrier's switch or premises, a cell site, Mobile Switching Center of base station do not constitute loops?

REQUEST: Provide all documents identified in response to Interrogatory 2-12-2, including documents that state whether BellSouth has provisioned for itself or any party a transmission facility from a Central Office or End Office to a mobile switching center, cell site, or base station, and what Universal Service Ordering Code ("USOC"), label, contract provision and /or name applied to such facilities.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website **(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm)**. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein. Additionally, the requested information is irrelevant in light of the FCC's decision in the TRO wherein it held that cell sites are not loops. (TRO Order, footnote 1116) (D.C. Circuit Court, Case 00-1012, pages 29-33)

Subject to and without waiving the foregoing objections, see Comments of BellSouth, Inc. in the FCC's Triennial Review and ex partes relating to the Triennial Review at www.fcc.gov. Also see BellSouth's response to the Joint Petitioners' First Set of Interrogatories, Item No. 2-12-2.

ISSUE: Should the Agreement require CLEC to purchase the entire bandwidth of a Loop, even in cases where such purchase is not required by Applicable Law?

REQUEST: Provide all documents identified in response to Interrogatory 2-13-1, including documents in which BellSouth discusses, explains, adopts or refers to a policy regarding whether BellSouth will unbundle, or is required to unbundle, less that the entire frequency of a loop or will otherwise share a portion of the frequency of an unbundled loop.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, see BellSouth's FCC Tariff No. 1, Section 7.2.17(A).

ISSUE: In unbundling relief provided under FCC Rule 319(a)(3) applicable to Fiber-to-the-Home Loops deployed prior to October 2, 2003?

REQUEST: Provide all documents relied upon, referred to, reviewed, analyzed or discussed in response to Interrogatory 2-15-1 regarding the proportion (as a percentage) of BellSouth loops that are Fiber-to-the-Home Loops.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website **(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm)**. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, BellSouth has no responsive documents. Also see BellSouth's Response to the Joint Petitioners' First Set of Interrogatories, Item No. 2-15-1.

ISSUE: In unbundling relief provided under FCC Rule 319(a)(3) applicable to Fiber-to-the-Home Loops deployed prior to October 2, 2003?

REQUEST: Provide all documents relied upon, referred to, reviewed, analyzed or discussed in response to Interrogatory 2-15-2 regarding the proportion (as a percentage) of BellSouth Fiber-to-the-Home Loops that were deployed between February 8, 1996 and October 2, 2003.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website **(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm)**. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, BellSouth has no responsive documents. Also see BellSouth's Response to the Joint Petitioners' First Set of Interrogatories, Item No. 2-15-2.

ISSUE: In unbundling relief provided under FCC Rule 319(a)(3) applicable to Fiber-to-the-Home Loops deployed prior to October 2, 2003?

REQUEST: Provide all documents relied upon, referred to, reviewed, analyzed or discussed in response to Interrogatory 2-15-3 regarding the proportion (as a percentage) of BellSouth Fiber-to-the-Home Loops that were deployed between October 2, 2003 and the Present.

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website **(http://cpr.bellsouth.com/clec/docs/all_states/index7.htm)**. Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, BellSouth has no responsive documents. Also see BellSouth's Response to the Joint Petitioners' First Set of Interrogatories, Item No. 2-15-3.

ISSUE: What should BellSouth's obligations be with respect to line conditioning?

REQUEST: Provide all documents identified in response to Interrogatory 2-18(B)-1, including documents in which BellSouth discusses, explains, adopts or refers to a policy regarding the methods, procedures and functions that BellSouth is obligated to perform, or will perform, as part of line conditioning obligations under 47 C.F.R. 51.319(a)(1)(iii).

RESPONSE: BellSouth objects to this request on the grounds that it is overly broad and unduly burdensome. BellSouth has thousands of ICAs, legal pleadings, tariffs, and other documents that BellSouth would need to locate, search, and review in order to respond to this request. BellSouth further objects to this request on the grounds it potentially seeks information that is already a matter of public record before this or another state commission or is readily accessible to the Joint Petitioners through publicly available means; e.g., publicly accessible website (**http://cpr.bellsouth.com/clec/docs/all_states/index7.htm**). Particularly, in light of the voluminous nature of the Joint Petitioners' request, the Joint Petitioners are not entitled to require other parties to gather information that is equally available and accessible to the Joint Petitioners. Moreover, BellSouth objects on the ground that the information requested is irrelevant and not likely to lead to the discovery of admissible evidence. The language contained in other ICAs and documents involving different carriers and facts and which resulted either from negotiation or arbitration is not relevant to the specific arbitration herein.

Subject to and without waiving the foregoing objections, see BellSouth's standard interconnection agreement at http://www.interconnection.bellsouth.com/become_a_clec/docs/ics_agreement.pdf; BellSouth's Statement of Generally Available Terms; and the Carrier Notification Letter No. SN9108, which are attached.

BellSouth Telecommunications, Inc.
Alabama Public Service Commission
Docket No. 29242
Joint Petitioners' 1st Request for Production
April 6, 2003
Item No. 2-18(B)-1
Attachment 1

ATTACHMENT TO REQUEST FOR PRODUCTION, ITEM NO. 2-18(B)-1

BellSouth Interconnection Services
675 West Peachtree Street
Atlanta, Georgia 30375

Carrier Notification
SN9108

Date:

To: Competitive Local Exchange Carriers (CLECs)

Subject: Unbundled Loop Modification for Copper Loops CLEC Information Package

This is to announce the new ***Unbundled Loop Modification (ULM) for Copper Loops CLEC Information Package, Version 1***. This package will replace the Unbundled Loop Modification CLEC Information Package, Version 6.

The new ULM package is based on Loop Conditioning as defined by the *FCC's Triennial Review Order*. This package also includes the specific conditions under which BellSouth will remove Bridged Tap.

The ***Unbundled Loop Modification for Copper Loops CLEC Information Package, Version 1*** will be available on the web on December 15, 2003 at the following web site address:

http://interconnection.bellsouth.com/guides/html/unes.html

Sincerely,

Jerry Hendrix – Assistant Vice President
BellSouth Interconnection Services

Carrier Notification and Network Disclosure Submission Form

Date of Submission: 12/1/03

Type of Submission (Notification/Disclosure): Notification

If Revision, Provide Serial Number of Original Submission:

Content Contributor Contact Information:
Name. Karen Fields
Phone: 205-977-1839

Subject of Submission: Unbundled Loop Modification for Copper Loops CLEC Information Package

Target Date for Internet Posting (Add 14 business days to submission date): 12/15/03

If Desired Posting Date is Less Than Target Date, Provide Information Below:
Reason for Expedite:

Expedite Approved by Pam Tipton, x8904 (Yes/No):
If no, submission will be treated as a routine request.

Document Information:
Number of Pages 1
Number of Attachments:

Please Select (Bold) ALL the Following Customer Segments to Which The Letter Applies:

All Customers	Resale CLEC	**Facility-based CLEC**	Access (IXC)
Wireless	Data Service Provider	Independent Company	Payphone
Commercial Mobile Radio			

Please Select (Bold) the most appropriate Subject List Label to Which The Letter Applies:

Area Code Splits	Billing	Business/Operational Process
Collocation	Directory Assistance/Directory Listings (DA/DL)	
Documentation/Guides	E911	Interconnection/Contractual
LNP	Maintenance & Repair	Meeting
Network Operations	Provisioning	Product/Service
OSS	Tariff	Other

Please Select (Bold) ALL the Following States to Which the Letter Applies:

All States	Alabama	Florida	Georgia	Kentucky
Louisiana	Mississippi	North Carolina	South Carolina	Tennessee

If US Mail Distribution Required, Please Attach the Following:

1. Reason US Mail Distribution is required.
2. For Network Disclosures, Coordinator will mail to all names contained on standard Interconnection Services customer distribution list If additional names are desired, or if a Carrier Notification, please provide a customer list with current address information
3 OC and RC numbers must be provided to cover fulfillment and material costs.

Serial Number [Internal Use Only] SN Pam Tipton_____ Pat Finlen_____

Note, all submissions must use the Carrier Notification or Network Disclosure Template and be submitted to the Notification and Disclosure Submission Mailbox **Notif.Discl.Coord@bellsouth.com** Incomplete Submission Forms will be rejected

BellSouth Telecommunications, Inc.
Alabama Public Service Commission
Docket No. 29242
Joint Petitioners' 1st Request for Production
April 6, 2003
Item No. 2-18(B)-1
Attachment 2

ATTACHMENT TO REQUEST FOR PRODUCTION, ITEM NO. 2-18(B)-1

Alabama

Statement of Generally Available Terms and Conditions (SGAT)

June 17, 2002

STATEMENT OF GENERALLY AVAILABLE TERMS AND CONDITIONS FOR INTERCONNECTION, UNBUNDLING AND RESALE PROVIDED BY BELLSOUTH TELECOMMUNICATIONS, INC. IN THE STATE OF ALABAMA

Pursuant to 47 U.S.C. § 252(f), BellSouth Telecommunications, Inc. ("BellSouth") makes the following terms and conditions generally available for the purposes of fulfilling its obligations under 47 U.S.C. §§ 251, 252(d) and 271. This Statement of Generally Available Terms and Conditions ("Statement") shall remain in effect for two (2) years from the date it takes effect under 47 U.S.C. § 252(f) following review by the Alabama Public Service Commission. The filing of this Statement does not change or diminish BellSouth's willingness to negotiate individual agreements with Competitive Local Exchange Carriers. This Statement is subject to revision to the extent necessary to comply with any legislative, regulatory or judicial order or rule that affects the rights and obligations created by this Statement. BellSouth has negotiated agreements with numerous Competitive Local Exchange Carriers. These agreements are open to inspection, and provide examples of detailed contractual language that has been used by BellSouth and other carriers. These agreements may be utilized by other parties.

This Statement uses the following abbreviations throughout:

A. CLEC means a Competitive Local Exchange Carriers certificated by the Alabama Public Service Commission to offer and/or provide local telecommunications services in Alabama.

B. Commission means the Alabama Public Service Commission.

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

I. Interconnection (47 U.S.C. §§ 251(b)(5), 251(c)(2), 251(c)(6), 252(d)(1)&(2) and 271(c)(2)(B)(i))

BellSouth provides CLECs interconnection with BellSouth's network for the transmission and routing of telephone exchange service and exchange access on the following terms:

A. Local Traffic. Local Traffic is defined as any telephone call that originates in one exchange and terminates in either the same exchange, or other local calling area associated with the originating exchange as defined and specified in Section A3 of BellSouth's General Subscriber Service Tariff. Local Traffic does not include calls that

do not transmit information of the user's choosing. In any event, neither Party will pay reciprocal compensation to the other if the "traffic" to which such reciprocal compensation would otherwise apply was generated, in whole or in part, for the purpose of creating an obligation on the part of the originating carrier to pay reciprocal compensation for such traffic.

1. Interconnection Points. Local interconnection is available at any technically feasible point within BellSouth's network. Interconnection is currently available at the following points:

a. Line-side of local switch.

b. Trunk-side of local switch.

c. Trunk interconnection points for local and access tandem switches.

d. Central office cross-connect points.

e. Out-of-band signal transfer points.

Interconnection at applicable unbundled network element points is also available. See Section II.

2. Additional Interconnection Points. BellSouth will provide local interconnection at any other technically feasible point, including meet point interconnection arrangements. Requests for interconnection at other points may be made through the Bona Fide Request process set out in Attachment B.

3. Percent Local Use. When traffic other than local traffic is routed on the same facilities as local traffic, as provided under this statement, each Party will report to the other a Percentage Local Usage ("PLU")[1]. The application of the PLU will determine the amount of local minutes to be billed to the other company. For purposes of developing the PLU, each company shall consider every local call and every long distance call, excluding intermediary traffic. By the first of January, April, July and October of each year, each Party shall provide a positive report updating the PLU. Requirements associated with PLU calculation and reporting shall be as set forth in BellSouth's Percent Local Use Reporting Guidebook, as it is amended from time to time. Notwithstanding the foregoing, where the terminating Party has message recording technology that

[1] Percent Local Usage (PLU) is defined as a factor to be applied to intrastate terminating minutes of use. The numerator shall include all "nonintermediary" local minutes of use adjusted for those minutes of use that only apply to local due to Service Provider Number Portability. The denominator is the total intrastate minutes of use including local, intrastate toll, and access, adjusted for Service Provider Number Portability less intrastate Terminating Company Pays minutes of use.

identifies the jurisdiction of traffic terminated as defined in this Statement, such information, in lieu of the PLU factor, shall at the terminating Party's option be utilized to determine the appropriate local usage compensation to be paid.

4. Unidentified local traffic. Whenever BellSouth delivers traffic to a CLEC for termination on the CLEC's network, if BellSouth cannot determine because of the manner in which the CLEC has utilized its NXX codes whether the traffic is local or toll, BellSouth will charge the applicable rates for originating intrastate network access service as reflected in BellSouth's Intrastate Access Service Tariff. BellSouth will make appropriate billing adjustments if the CLEC can provide sufficient information for BellSouth to determine whether said traffic is local or toll. If BellSouth deploys an NXX code across its local calling areas in such a manner that a CLEC cannot determine whether the traffic it delivers to BellSouth is local or toll, this subsection shall apply to BellSouth and the CLEC.

5. Intermediary Tandem Switching. BellSouth will provide intermediary tandem switching and transport services for the CLEC's connection of its end user to a local end user of BellSouth, an independent company or another CLEC, where both the parties are connected at the same tandem and termination of calls is authorized. Basic or enhanced local tandem interconnection may be selected. Basic interconnection allows CLECs to terminate traffic to BellSouth's end office switches and wireless service provider switches within the area served by the tandem. Enhanced interconnection adds the ability to terminate traffic to other CLECs and independent company switches in the area served by the tandem. The Local Exchange Routing Guide is the authority for what NXX Codes are assigned to switches sub-tending local tandems.

6. Transit Traffic Service. BellSouth shall provide tandem switching and transport services for the CLEC's transit traffic. Transit traffic is traffic originating on the CLEC's network that is switched and/or transported by BellSouth and delivered to a third party's network, or traffic originating on a third Party's network that is switched and/or transported by BellSouth and delivered to the CLEC's network. Rates for local transit traffic shall be the same as call transport and termination rates as set forth in Attachment A to this Statement. Rates for intraLATA toll and switched access transit traffic shall be the applicable call transport and termination charges as set forth in BellSouth's Interstate or Intrastate Switched Access tariffs. Switched access transit traffic presumes that the CLEC's end office is subtending the BellSouth Access Tandem for switched access traffic to and from the CLEC's end users utilizing BellSouth facilities, either by direct trunks with the Interchange Carrier ("IXC"), or via the BellSouth Access Tandem. Billing associated with all transit traffic shall be pursuant to Multiple Exchange Carrier Access Billing (MECAB) [2] procedures. BellSouth will

[2] Multiple Exchange Carrier Access Billing means the document prepared by the Billing Committee of the Ordering and Billing Forum ("OBF"), which functions under the auspices of the Carrier Liaison Committee of the Alliance for

provide meet point billing usage records to CLEC either directly as an RAO Host company or to the CLEC through the RAO Host selected by the CLEC. Wireless Type 2A traffic shall not be treated as transit traffic from a routing or billing perspective until BellSouth and the Wireless carrier have the capability to properly meet-point-bill in accordance with MECAB guidelines.

The delivery of traffic which transits the BellSouth network and is transported to another carrier's network is excluded from any BellSouth billing guarantees and will be delivered to a terminating carrier at the rates stipulated in this Statement. BellSouth agrees to deliver this traffic to the terminating carrier, provided that the CLEC is solely responsible for negotiating and executing any appropriate contractual agreements with the terminating carrier for the receipt of this traffic through the BellSouth network. BellSouth will not be liable for any compensation to the terminating carrier or to the CLEC. The CLEC agrees to compensate BellSouth for any charges or costs for the delivery of transit traffic to a connecting carrier on behalf of the CLEC. Additionally, the Parties agree that any billing to a third party or other telecommunications carrier under this Section shall be pursuant to MECAB procedures.

7. Mutual Provision of Access Service. When BellSouth and a CLEC provide an access service connection between an "IXCand each other, each company will provide its own access services to the IXC on a multi-bill, multi-tariff meet-point basis. Each company will bill its own access services rates to the IXC with the exception of the interconnection charge. The interconnection charge will be billed by the company providing the end office function. BellSouth will use the MECAB system to establish meet point billing for all applicable traffic, including traffic terminating to ported numbers. 30-day billing periods will be employed for these arrangements. The recording company agrees to provide to the initial billing company, at no charge, the switched access detailed usage data within a reasonable time after the usage is recorded. The initial billing company will provide the switched access summary usage data to all subsequent billing companies within 10 days of rendering the initial bill to the IXC.

B. Exchange of intraLATA toll traffic. Exchange of intraLATA toll traffic between BellSouth and CLEC networks shall occur as follows:

1. IntraLATA Toll Traffic. IntraLATA toll traffic is traffic that originates and terminates in the same LATA and that is not Local Traffic as defined in Section I.A. above.

Telecommunications Industry Solutions ("ATIS") and by Bellcore as Special Report SR-BDS-000983, containing the recommended guidelines for the billing of Exchange Service access provided by two or more LECs and/or CLECs or by one LEC in two or more states within a single LATA.

2. Delivery of IntraLATA Toll Traffic. For terminating its toll traffic on the other company's network, each company will pay BellSouth's current intrastate terminating switched access rate, inclusive of the Interconnection Charge and the Carrier Common Line rate elements of the switched access rate. See BellSouth's Intrastate Access Services Tariff.

3. Rates. For originating and terminating toll traffic, each company shall pay the other BellSouth's intrastate or interstate (whichever is appropriate), switched network access service rate elements on a per minute of use basis. Applicable rate elements are set out in BellSouth's Access Services Tariffs. The appropriate charges will be determined by the routing of the call. If a CLEC is the BellSouth end user's presubscribed IXC or if the BellSouth end user uses a CLEC as an IXC er on a 1010XXX basis, BellSouth will charge the CLEC the appropriate tariff charges for originating network access services. If BellSouth is serving as the CLEC end user's presubscribed interexchange carrier or if the CLEC end user uses BellSouth as an IXC on a 1010XXX basis, the CLEC will charge BellSouth the appropriate BellSouth tariff charges for originating network access services.

4. Additional Interconnection. To the extent a CLEC provides intraLATA toll service to its customers, it may be necessary for it to interconnect to additional BellSouth access tandems that serve end offices outside the local calling area.

5. Compensation for 800 Traffic. Each company shall compensate the other pursuant to the appropriate originating switched access charges, including the database query charge, for the origination of 800 traffic terminated to the other company.

6. Records for 800 Billing. Each company will provide to the other the appropriate records necessary for billing intraLATA 800 customers. The records provided will be in a standard EMR format.

7. 800 Access Screening. Should a CLEC require 800 Access Ten Digit Screening Service from BellSouth, it shall have signaling transfer points connecting directly to BellSouth's local or regional signaling transfer point for service control point database query information. The CLEC shall utilize SS7 signaling links, ports and usage as set forth in Section X. The CLEC will not be required to utilize switched access FGD service. 800 Access Ten Digit Screening Service is an originating service that is provided via 800 Switched Access Service trunk groups from BellSouth's SS7 equipped end office or access tandem providing an IXC identification function and delivery of a call to the IXC based on the dialed ten digit number. The terms and conditions for this service are set out in BellSouth's Intrastate Access Services Tariff.

C. Methods of Interconnection. Interconnection is available through: (1) virtual collocation; (2) physical collocation; and (3) interconnection via purchase of facilities from either company by the other company. Rates for collocation are set out in Attachment A. Terms and conditions for physical collocation are contained in the Alabama Access Tariff, Section E20, and Attachment I. Terms and conditions for remote site collocation are contained in Attachment I. [3] Terms and conditions for virtual collocation are contained in FCC Tariff No. 1, Section 20.

D. Trunk Groups. BellSouth and a CLEC shall establish trunk groups between interconnecting facilities. Local traffic may be routed over either one-way or two-way trunks when interconnected with a BellSouth local tandem. BellSouth local tandems do not handle intraLATA toll or interLATA toll traffic. Combined local and intraLATA toll traffic may be routed over either one-way or two-way trunks when interconnected with a BellSouth access tandem or end office switch. In addition, for traffic utilizing intermediary tandem switching at the BellSouth access tandem, i.e., traffic which is not originated by or terminated to a BellSouth end user ("transit traffic"), one-way or two-way trunk groups are generally available for any combination of local, intraLATA or interLATA traffic. BellSouth also provides a two-way Supergroup option which includes exchange of local and intraLATA toll traffic between BellSouth and a CLEC as well as local, intraLATA or interLATA transit traffic. Requests for alternative trunking arrangements may be made through the bona fide request ("BFR") process (see Section II.B.) set out in Attachment B.

E. Rates. Rates for interconnection for local traffic on the BellSouth network are set out in Attachment A. Compensation for interconnection is reciprocal, as set out in Section XIII. Late payment fees, not to exceed the highest interest rate which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date the CLEC actually makes the payment, may be assessed if interconnection charges are not paid within thirty (30) days of the due date.

F. Billing. Billing for interconnection services will be through the Carrier Access Billing System ("CABS").

G. Network Design and Management for Interconnection. BellSouth will use its best efforts in conjunction with CLECs to create the most effective and reliable interconnected telecommunications networks. Detailed provisions governing network design and management for interconnection are contained in Section XVIII.

H. Interconnection Technical Standards. Interconnecting facilities shall conform, at a minimum, to the telecommunications industry standard of DS-1 pursuant to Bellcore Standard No. TR-NWT-00499. Signal Transfer Point, Signaling System 7 ("SS7")

[3] Physical Collocation Tariff dated May 4, 2001.

connectivity is required at each interconnection point. BellSouth will provide out-of-band signaling using Common Channel Signaling Access Capability where technically and economically feasible, in accordance with the technical specifications set forth in the BellSouth Guidelines to Technical Publication, TR-TSV-000905. Facilities of each company shall provide the necessary on-hook, off-hook answer and disconnect supervision and shall hand off calling number ID when technically feasible.

I. Quality of Interconnection. Where technically feasible, the local interconnection for the transmission and routing of telephone exchange service and exchange access that BellSouth provides to CLECs will be at least equal in quality to what it provides to itself, to any subsidiary or affiliate or to any other party to which BellSouth provides local interconnection. Attachment C contains detailed service descriptions, and technical requirements provided to CLECs. Section 14.4 of Attachment C is particularly applicable to interconnection. BellSouth provides interconnection according to applicable industry standard technical references.

J. Ordering and Provisioning Guidelines. Where technically feasible, BellSouth provides interconnection ordering and provisioning services to CLECs that are equal to the ordering and provisioning services BellSouth provides to itself. Detailed procedures for ordering and provisioning BellSouth interconnection services are set forth in the BellSouth Business Rules for Local Ordering. See Section XV.

II. Access To Unbundled Network Elements (47 U.S.C. §§ 251(c)(3), 252(d) and 271(c)(2)(B)(ii)). See also Statement Sections (IV), (V), (VI) and (X).

BellSouth provides CLECs access to unbundled elements of BellSouth's network on the following terms:

A. Available Network Elements. BellSouth shall, upon request of the CLEC, provide to CLEC access to its network elements at any technically feasible point for the provision of CLEC's telecommunications service where such access is necessary and failure to provide access would impair the ability of the CLEC to provide services that it seeks to offer. The following BellSouth network elements are available on an unbundled basis:

1. Local Loop Transmission. BellSouth provides unbundled local loops. See Section IV.

2. Unbundled Local Transport. BellSouth provides unbundled local transport. See Section V.

3. Unbundled Local Switching. BellSouth provides unbundled local switching. See Section VI.

4. Signaling Network Elements/AIN Services. BellSouth provides unbundled signaling network elements and AIN services. See Section X.

5. Access to Operations Support Systems. BellSouth provides CLECs unbundled access to several operations support systems. Access to these support systems is available through a variety of means, including electronic interfaces. The operations support systems available are:

a. Pre-Ordering. Pre-ordering allows CLECs to determine the availability of features and services, assign a telephone number, advise the customer of a due date, validate a street address for service order purposes, and obtain customer service record information, as applicable to the service being ordered. CLECs may obtain access to customer service record information under a blanket letter of authorization.

b. Ordering. Ordering provides the CLEC order entry functions, including supplements, and the capability to establish directory listings. BellSouth provides a "switch as is" process by which it will switch all services and features subscribed to by a particular BellSouth customer to a CLEC upon receipt of appropriate customer authorization.

c. Provisioning. Provisioning information available to CLECs includes firm order confirmation and notice of completions.

d. Trouble Reporting and Repair. Trouble reporting and repair allows CLECs to report and monitor service troubles and obtain repair services. BellSouth provides CLECs service trouble reporting availability and monitoring in a non-discriminatory manner that provides CLECs the same ability to report and monitor service troubles that BellSouth provides to itself. BellSouth also provides CLECs an estimated time to repair, and an appointment time or a commitment time, as appropriate, on all trouble reports.

e. Directory Listing and Line Information Databases. Access to the Directory Listing Database is discussed in Sections VII.B. and VIII.E. Access to the Line Information Database is discussed in Section X.

f. Customer Daily Usage Data. Customer daily usage data provides detailed information for determining billable usage for services such as directory assistance or toll calls associated with a resold line. This usage option allows CLECs to bill their end-user customers at their discretion, rather than on BellSouth's billing cycles. It also allows a CLEC to establish toll limits, detect fraudulent calling or analyze the usage patterns of its customers. Usage data available includes the Access Daily Usage

File (ADUF), Optional Daily Usage File (ODUF), and Enhanced Optional Daily Usage File (EODUF).

6. Interfaces for Operational Support Systems. BellSouth provides electronic interfaces for the following operational support systems functions: pre-ordering, ordering and provisioning, trouble reporting, and customer usage data. BellSouth also provides the option of placing orders manually (e.g., via facsimile) through the Local Carrier Service Center.

a. Pre-Ordering. BellSouth provides electronic access to the following pre-ordering functions or information: service address validation, telephone number selection, product and service availability, due date information, loop make-up information, and customer service record information. Access is provided through the Local Exchange Navigation System (LENS) and the Telecommunications Access Gateway (TAG). TAG is a machine-to-machine interface that provides real-time interactive access to BellSouth databases. LENS is a human-to-machine interface for use by those CLECs who choose not to use machine-to-machine interfaces.

b. Ordering and Provisioning. BellSouth provides CLECs electronic options for the exchange of ordering and provisioning information. The Exchange Access Control and Tracking system (EXACT) is for service requests involving interconnection trunking and many unbundled network elements. BellSouth provides TAG and Electronic Data Interchange (EDI) arrangement for resale requests and some unbundled network elements. As an alternative to the EDI arrangement, BellSouth also provides through LENS an ordering and provisioning capability that is integrated with the LENS pre-ordering capability. TAG is an integratable pre-ordering and ordering interface.

c. Trouble Reporting. BellSouth provides the following options for electronic trouble reporting. For exchange services, BellSouth offers CLECs access to the Trouble Analysis Facilitation Interface (TAFI). For individually designed services, BellSouth provides electronic trouble reporting through an electronic communications gateway – the T1M1 standard machine-to machine interface called Electronic Communications Trouble Administration (ECTA) Gateway.

d. Billable Usage Information. BellSouth provides CLECs electronic files containing billable usage information associated with resold exchange lines, and unbundled ports.

e. Rates. Rates for manual and electronic interfaces are set out in Attachment A. Nonrecurring service order charges are differentiated for manually and electronically processed orders.

f. Versioning. Pursuant to the Change Control Process, BellSouth will issue new software releases for new industry standards for its industry standard EDI and TAG interfaces. When a new release of new industry standards is implemented, BellSouth will, for these interfaces, continue to support both the new release (N) and the prior release (N-1). When BellSouth implements the next release (N+1), BellSouth will eliminate support for the (N-1) release and support the two newest releases (N and N+1). Thus, BellSouth will always support the two most current releases. Pursuant to the Change Control Process, BellSouth will issue documents to CLECs with sufficient notice to allow CLECs to make the necessary changes to their systems and operations to migrate to the newest release in a timely fashion. This versioning policy is set forth in the Change Control Process document and may be changed from time to time by the processes set forth in that document.

7. Collocation. Collocation allows CLECs to place equipment, including digital subscriber line access multiplexers, in BellSouth facilities. Physical and virtual collocation are available for interconnection and access to unbundled network elements as described in this Section. BellSouth will provide physical collocation for CLEC equipment unless BellSouth demonstrates to the Commission that physical collocation is not practical for technical reasons or space limitations. Virtual collocation is available at the CLEC's request and is not dependent on the availability of physical collocation. BellSouth facilities include central offices and serving wire centers, as well as buildings or similar structures owned or leased by BellSouth that house BellSouth network facilities, and structures that house facilities on public rights-of-way, including, but not limited to, vaults containing loop concentrators. Terms and conditions for physical collocation are contained in the Alabama Access Tariff, Section E20, and Attachment I. Terms and conditions for remote site collocation are contained in Attachment I. Terms and conditions for virtual collocation are contained in FCC Tariff No. 1, Section 20.

8. Dark Fiber. Unused optical transmission media or "dark fiber" is available to CLECs as an unbundled network element, where it is in existence, as unbundled dark fiber loops or as unbundled dark fiber transport.

9. Line Sharing and Line Splitting

a. High Frequency Loop Spectrum (Line Sharing). BellSouth provides CLECs access to the high frequency portion of the loop network element as an

unbundled network element where BellSouth is providing, and continues to provide, analog circuit-switched voiceband services on the particular loop for which the CLEC seeks access. The high frequency portion of the loop is defined as the frequency range above the voiceband on a copper loop facility that is being used to carry analog circuit-switched voiceband transmissions. BellSouth may maintain control over the loop and splitter equipment and functions, and will provide CLECs with loop and splitter functionality that is compatible with any transmission technology that the CLEC seeks to deploy using the high frequency portion of the loop, as defined in 47 C.F.R. § 51.319(h), provided that such transmission technology is presumed to be deployable pursuant to 47 C.F.R. § 51.230. BellSouth also offers CLECs the option of purchasing, installing, and maintaining central office or remote terminal (RT) POTS splitters in its collocation arrangements. Any splitters installed by CLECs in its collocation arrangements shall comply with ANSI T1.413, Annex E, or any future ANSI splitter standards. CLECs may install any splitters that BellSouth deploys or permits to be deployed for itself or any BellSouth affiliate. BellSouth will condition loops to enable CLECs to access the high frequency portion of the loop spectrum in accordance with 47 C.F.R. § 51.319(a)(3) and § 51.319(h). Further details as to this network element are contained in Attachment C.

b. Line Splitting.

Line Splitting is a UNE service offering that allows a provider of data services (a "Data CLEC") and a provider of voice services (a "Voice CLEC") to deliver voice and data service to end users over one loop. The voice and data carriers may be the same or different carriers. The Data CLEC provides data service over the high frequency portion of the loop purchased by the Voice CLEC, utilizing a Voice CLEC or Data CLEC-provided collocated DSLAM, and splitter equipment (located in either the Voice CLEC's or Data CLEC's collocation area. End users currently receiving voice service from BellSouth, a Line Sharing arrangement, or a CLEC through a UNE platform (UNE-P) may be converted to Line Splitting arrangements by CLECs ordering Line Splitting Service.

An unloaded, 2-wire copper loop must serve the end user. It is the responsibility of the CLEC to determine if the loop meets its data requirements. The CLEC's meet point is the point of termination for the CLEC's cable and pairs.

BellSouth will only interface with the Voice CLEC that owns the loop for subsequent activity, trouble reports, etc. With proper authorization, the Data CLEC may act on behalf of the owner of the loop and may submit trouble reports for the data service. The Voice CLEC that owns the loop is responsible for any billable charges associated with the loop.

i. If BellSouth is currently the voice provider and a provider of data

services (a "Data CLEC") is the advanced services provider, and the end user subsequently chooses a CLEC for voice service (a "Voice CLEC"), then the following would occur:

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

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

When BellSouth provides the splitter, the applicable recurring charges to be paid by the Voice CLEC for this line splitting arrangement will be the loop, port, high frequency spectrum line activation, and one cross connect at the rate set forth in Attachment A. When a CLEC owns the splitter, line splitting requires that the CLEC purchase the following: the loop, port, high frequency spectrum line activation, and two cross connects.

The applicable nonrecurring charges to be paid by the Voice CLEC for line splitting arrangements will be the nonrecurring rate for the loop-port combination (switch-as-is) if no wiring changes are required. If CO wiring is required (data provider changing) the appropriate charge will be the nonrecurring charge for the appropriate collocation cross connection(s).

ii. Where a line sharing arrangement, BellSouth voice service, or UNE-P arrangement does not already exist, BellSouth will work cooperatively with CLECs to develop methods and procedures to develop a process whereby a Voice CLEC and a Data CLEC may provide services over the same loop. Under such a process, BellSouth will deliver a loop and a port to the collocation space of either the Voice CLEC or the Data CLEC and will provide a splitter if requested to do so by the CLEC. In this scenario the loop and port cannot be a loop and port combination (i.e., UNE-P), but must be individual stand-alone network elements.

B. Bona Fide Request Process.

1. Any request by CLECs for access to a network element, interconnection option, or for the provisioning of any service or product that is not

already available shall be treated as a BFR, and shall be submitted to BellSouth pursuant to the BFR process, which is described in Attachment B.

2. CLEC shall submit any BFR in writing to CLEC's Account Manager. The BFR shall specifically identify the requested service date, technical requirements, space requirements and/or such specifications that clearly define the request such that BellSouth has sufficient information to analyze and prepare a response. The BFR also shall include CLEC's designation of the request as being (a) pursuant to the Act, or (b) pursuant to the needs of the business.

C. Quality of Network Elements. Where technically feasible, BellSouth provides CLECs with access to all the unbundled network elements described in this section. Such access will be at least equal in quality to that which BellSouth provides itself. Attachment C contains detailed service descriptions, and technical requirements applicable to CLEC access to BellSouth unbundled network elements and the performance of those network elements. BellSouth provides network elements according to applicable industry standard technical references. See Section XVI.

D. Combining Network Elements.

1. CLEC Combination of Network Elements. CLECs may combine BellSouth network elements, in any manner the CLEC chooses, to provide telecommunications services. CLEC-combined network elements will be priced at the sum of the individual element charges. BellSouth will physically deliver unbundled network elements where reasonably possible, e.g., unbundled loops and ports extended to CLEC collocation spaces as part of the network element offering. In addition, BellSouth offers central office Assembly Points to provide CLECs the capability to combine unbundled network elements themselves within a BellSouth central office location, without requiring the CLEC to own or control any telecommunications equipment (i.e., without acquiring collocation space). Additional services desired by CLECs to assist in their combining or operating BellSouth unbundled network elements are available as negotiated.

2. Software Modifications. Software modifications, e.g., switch translations, necessary for the proper functioning of CLEC-combined BellSouth unbundled network elements are provided as part of the network element offering. Additional software modifications requested by CLECs for new features or services may be obtained through the BFR process.

3. Unbundled Network Element Combinations. BellSouth will provide Currently Combined, Ordinarily Combined and Not Typically Combined Unbundled Network Element Combinations as said combinations are defined and set forth in Attachment C.

E. Rates. Rates for the unbundled network elements and combinations of elements described above are set out in Attachment A.

F. Ordering and Provisioning. Where technically feasible, BellSouth provides unbundled network element ordering and provisioning services to CLECs that are equal to the ordering and provisioning services BellSouth provides to itself. Detailed guidelines for ordering and provisioning unbundled network elements are set out in the BellSouth Business Rules for Local Ordering. See Section XV.

G. Billing. BellSouth provides unbundled network element billing under Ordering and Billing Forum (OBF) guidelines for CABS bill formats as those guidelines are developed.

III. Access To Poles, Ducts, Conduits, and Rights of Way (47 U.S.C. §§ 251(b)(4) and 271(c)(2)(B)(iii))

BellSouth provides nondiscriminatory access to poles, ducts, conduits and rights-of-way under the following terms:

A. Standard License for Poles, Ducts, Conduits and Rights-of-Way. BellSouth will provide CLECs with nondiscriminatory access to poles, ducts, conduits and rights-of-way owned or controlled by BellSouth under the Standard Agreement set out in Attachment D.

B. Access to Engineering Records. BellSouth will provide access to relevant plats, maps, engineering records and other data to CLECs upon receiving a BFR est for access and CLEC agreement to reasonable terms to protect proprietary information.

C. Capacity Reservation. Capacity will be allocated on a first-come first-served basis, although BellSouth may reserve a maintenance spare at its discretion.

IV. Local Loop Transmission Unbundled From Local Switching (47 U.S.C. §§ 251(c)(3), 252(d) and 271(c)(2)(B)(iv))

BellSouth provides access to unbundled local loops and sub-loop elements on the following terms:

A. Unbundled Local Loops. Local loops provide transmission paths between a distribution frame (or its equivalent) in an incumbent LEC central office and the loop demarcation point at an end-user customer premises, including inside wire owned by the incumbent LEC. The local loop network element includes all features, functions, and capabilities of such transmission facility, including, but not limited to, dark fiber, attached electronics (except those electronics used for the provision of advanced services, such as Digital Subscriber Line Access Multiplexers), and line conditioning. BellSouth provides

a variety of local loop configurations. Local loops include, but are not limited to, unbundled copper loops, dark fiber loops, DSO, DS1, DS3, fiber, and other high capacity loops. All BellSouth provided loops will be provisioned according to BellSouth's TR 73600, and are described in Attachment C.

B. Sub-Loop elements. The subloop is defined as any portion of the loop that is technically feasible to access at terminals in BellSouth's outside plant, including inside wire. An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber within. Such points may include, but are not limited to, the pole or pedestal, the network interface device ("NID"), the minimum point of entry, the single point of interconnection, the main distribution frame, the remote terminal, and the feeder/distribution interface. The sub-loop elements are described in Attachment C.

C. Loop Cross Connects. Loop cross connects allow the local loop to be transported from the main distribution frame in the central office to a CLEC's collocated space.

D. Unbundled Loop Channelization Systems. Unbundled loop channelization systems with central office channel interfaces channelize multiple digital loop carrier channels on a non-concentrated or concentrated basis up to a maximum of 96 voice grade channels per system.

E. Single Point of Interconnection. BellSouth provides a single point of interconnection at multi-unit premises that is suitable for use by multiple carriers.

F. Line Conditioning. Line 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, bridged taps, low pass filters and range extenders. Where technically feasible, BellSouth will test and report trouble for all the features, functions, and capabilities of conditioned lines, and may not restrict testing to voice-transmission only. CLEC may select the level of line conditioning it desires and will be required to pay only for the level of conditioning it selects. BellSouth performs line conditioning on unbundled loops upon CLEC request, whether or not BellSouth offers advanced services to the end-user customer on that loop. A CLEC has the option of refusing, in whole or in part, to have a line conditioned without diminishing its right of access to the high frequency portion of the loop.

G. Rates. Rates for unbundled network elements in this section are set out in Attachment A.

H. Quality of Network Elements. Where technically feasible, BellSouth provides CLECs with unbundled local loops and sub-loop elements, and access to those

elements, that is at least equal in quality to that which BellSouth provides itself. Attachment C contains detailed service descriptions and technical requirements applicable to CLEC access to BellSouth unbundled network elements including local loops and sub-loop elements. BellSouth provides network elements according to applicable industry standard technical references.

I. Ordering and Provisioning. Where technically feasible, BellSouth provides local loop and sub-loop element ordering and provisioning services to CLECs that are equal to the ordering and provisioning services BellSouth provides itself. Detailed guidelines for ordering and provisioning local loops and sub-loop elements are set out in the BellSouth Business Rules for Local Ordering. See Section XV.

V. Local Transport From The Trunk Side Unbundled From Switching Or Other Services (47 U.S.C. §§ 251(c)(3), 252(d) and 271(c)(2)(B)(v))

BellSouth provides local transport from the trunk side of its switches unbundled from switching or other services under the following terms:

A. Local Transport Elements. Transport elements provide transmission paths that connect one location to another. BellSouth offers both dedicated and common (shared) local transport from the trunk side of its central office switches over a variety of transport options unbundled from switching or switch ports.

1. Dedicated Transport. Dedicated Transport is an interoffice transmission path used exclusively by a single carrier for the transmission of its traffic. Dedicated transport is available between BellSouth central offices and between BellSouth central offices and CLEC facilities. Transmission media include, but are not limited to, DS-1, DS-3, STS-1 and OCn levels.

2. Common Transport. Common transport is a shared transmission path used for the traffic of multiple carriers. Common transport is available between BellSouth end offices and between BellSouth end offices and BellSouth tandem switches. BellSouth provides common transport on a per minute of use basis. Transmission media used to provide common transport includes speeds up to and including OCn.

3. Tandem Switching. Tandem switching establishes a communications path between two switching offices through a third switching office. BellSouth offers all the functionality of its tandem switches to CLECs unbundled from transport. Tandem switching includes the facilities connecting the trunk distribution frame to the switch, and all the functions of the switch itself, including those facilities that establish a temporary transmission path between two other switches as well as functions that are centralized in tandem switches

such as call recording, routing of calls to operator services and signaling conversion functions.

4. Digital Cross-Connect Systems. BellSouth provides CLECs, to the extent technically feasible, with the functionality provided by BellSouth's digital cross-connect systems.

5. Additional Options. BellSouth makes additional transport elements available at any technically feasible point. CLECs may use the BFR process to obtain additional options.

B. Rates. Rates for local transport elements are set out in Attachment A.

C. Quality of Network Elements. Where technically feasible, BellSouth provides CLECs with unbundled local transport elements, and access to those elements, that is at least equal in quality to that which BellSouth provides itself. Attachment C contains detailed service descriptions, and technical requirements applicable to CLEC access to BellSouth unbundled network elements including transport elements. BellSouth provides network elements according to applicable industry standard technical references.

D. Ordering and Provisioning. Where technically feasible, BellSouth provides local transport ordering and provisioning services to CLECs that are equal to the ordering and provisioning services BellSouth provides to itself. Detailed guidelines for ordering and provisioning local transport elements are set out in the BellSouth Business Rules for Local Ordering. See Section XV.

VI. Local Switching Unbundled from Transport, Local Loop Transmission or Other Services (47 U.S.C. §§ 251(c)(3), 252(d) and 271(c)(2)(B)(vi))

BellSouth provides local switching unbundled from transport, local loop transmission or other services under the following terms:

A. Local Circuit Switching. BellSouth offers all the functionality of its local circuit switches to CLECs unbundled from transport, local loop transmission and other services, except as set forth in VI.B. Local switching provides the functionality to connect the appropriate originating lines or trunks wired to the Main Distributing Frame or to the digital Cross Connect panel to a desired terminating line or trunk. Local circuit switching functionality includes line termination and line side switching (dialtone) capability and other switch functionality, e.g., vertical features, at rates set forth in Attachment A. All vertical features loaded in a circuit switch are available to CLECs. Features loaded but not activated, and features not loaded in the circuit switch are available and may be requested through the BFR process. Local circuit switching functionality also provides access to all the features and functionality available to the switch and switch software

including transport signaling, 911, operator, directory and repair services as well as AIN and similar capabilities.

1. Selective Routing. Selective routing to a CLEC's desired platform is available as discussed in Section X.A.3.f.

2. Port Cross Connects. Port cross connects allow ports to be transported from the main distribution frame in the central office to a CLEC's collocated space.

B. Availability of Local Circuit Switching as an Unbundled Network Element. BellSouth provides CLECs with local circuit switching as defined above on an unbundled network element basis except, pursuant to 47 C.F.R § 319(c)(2), for CLECs that serve end-users with four or more voice grade (DS0) equivalents or lines, where BellSouth provides nondiscriminatory access to combinations of unbundled loops and transport throughout Density Zone 1, and BellSouth's local circuit switches are located in the top 50 Metropolitan Statistical Areas as set forth in Appendix B of the Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-98, and in Density Zone 1, as defined in 47 C.F.R. § 69.123 on January 1, 1999.

C. Packet Switching. 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: (i) 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); (ii) the ability to forward the voice channels, if present, to a circuit switch or multiple circuit switches; (iii) the ability to extract data units from the data channels on the loops; and (iv) the ability to combine data units from multiple loops onto one or more trunks connecting to a packet switch or packet switches.

D. Availability of Packet Switching as an Unbundled Network Element. BellSouth provides CLECs with packet switching as an unbundled network element only where all of the following conditions are satisfied:

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 feeder section (*e.g.*, end office to remote terminal, pedestal or environmentally controlled vault);

2. There are no spare copper loops capable of supporting xDSL services the CLEC seeks to offer;

3. BellSouth has not permitted a CLEC to deploy a Digital Subscriber Line Access Multiplexer in the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has the requesting carrier obtained a virtual collocation arrangement at these subloop interconnection points as defined in 47 C.F.R. § 319(b); and

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

E. Rates. Cost-based rates for unbundled local circuit switching provided on an unbundled network element basis under 47 U.S.C. § 251(c)(3) are set out in Attachment A. Rates, terms and conditions for unbundled local circuit switching provided under 47 U.S.C. § 271(c)(2)(B)(vi) but not on an unbundled network element basis under 47 U.S.C. § 251(c)(3), and packet switching provided on an unbundled network element basis (subject to the requirements of 47 C.F.R. §51.319(c)(3)), may be obtained through the BFR process.

F. Quality of Network Elements. Where technically feasible, BellSouth provides CLECs with unbundled local switching elements, and access to those elements, that is at least equal in quality to that which BellSouth provides itself. Attachment C contains detailed service descriptions, and technical requirements applicable to CLEC access to BellSouth unbundled network elements including local switching elements. BellSouth provides network elements according to applicable industry standard technical references.

G. Ordering and Provisioning. BellSouth provides CLECs with ordering and provisioning services for local switching that are equal to the ordering and provisioning services BellSouth provides to itself, where technically feasible. Detailed guidelines for ordering and provisioning local switching elements are set out in the BellSouth Business Rules for Local Ordering.

VII. Nondiscriminatory Access to (A) 911/E911 Emergency Network (47 U.S.C. §§ 251(c)(3) and 271(c)(2)(B)(vii)(I); Regulations (§§ 901(J),(K)(2)); (B) Directory Assistance Services (§§ 271(c)(2)(B)(vii)(II) and 251(c)(3)); and (C) Operator Call Completion Services (§§ 271(c)(2)(B)(vii)(III) and 251(c)(3))

BellSouth provides nondiscriminatory access to the 911/E911 network, directory assistance and operator call completion services and associated databases under the following terms:

A. Access to 911/E911. BellSouth provides CLECs with equal access to 911/E911 service and the ability for CLECs to provide customer numbers and address information to 911/E911 providers on the following terms:

1. 911/E911 Service. Basic 911 and E911 provide callers access to the applicable emergency services bureau by dialing a three-digit universal telephone number.

2. Equal Access. A CLEC's customers will be able to dial and reach emergency services bureaus providing 911/E911 service in the same manner as BellSouth customers.

3. Basic 911 Service Provisioning. For basic 911 service, BellSouth will provide to a CLEC 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. The CLEC 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. The CLEC will be required to route that call to BellSouth at the appropriate tandem or end office. When a municipality converts to E911 service, the CLEC will be required to discontinue the Basic 911 procedures and begin using E911 procedures.

4. E911 Service Provisioning. For E911 service, a CLEC will be required to install a minimum of two dedicated trunks originating from the CLEC's 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 Mu-255 Law convention. The CLEC will be required to provide BellSouth daily updates to the E911 database. A CLEC 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, the CLEC 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.

5. Rates. Charges for 911/E911 service are borne by the municipality purchasing the service. BellSouth will impose no charge on CLECs beyond applicable charges for BellSouth trunking arrangements shown on Attachment A.

6. 911/E911 Databases. BellSouth will load CLEC end-user information into 911/E911 databases in the same manner it loads BellSouth end-user information

so that CLEC end-user information is available at the same time and in the same manner as BellSouth end-user information.

7. Detailed Practices and Procedures. The detailed practices and procedures contained in the E911 Local Exchange Carrier Guide For Facility-Based Providers determine the appropriate practices and procedures for BellSouth and CLECs to follow in providing 911/E911 services.

B. Directory Assistance Services. BellSouth provides CLECs nondiscriminatory access to directory assistance services and databases on the following terms:

1. Directory Assistance Database. BellSouth includes CLEC subscriber listings in BellSouth's directory assistance database at no charge. CLECs must provide timely updates in the appropriate format. The same procedures and time intervals will apply to the entry of directory assistance information and updates for BellSouth, CLECs and independent telephone company end-users.

2. BellSouth Directory Assistance Services. BellSouth provides CLECs and their subscribers nondiscriminatory access to directory assistance service under BellSouth's tariffs. CLEC subscribers will be able to reach BellSouth's directory assistance by dialing the same numbers, and will receive the same treatment, as BellSouth subscribers. If the CLEC provides ANI, then additional services such as directory assistance call completion will be available. BellSouth offers CLECs the following access options on the same terms as they are currently offered to other telecommunications providers:

a. Directory Assistance Access Service. This service is currently provided by BellSouth to IXC for directory assistance.

b. Direct Access to Directory Assistance Service. This service provides direct on-line access to BellSouth's directory assistance database.

c. Directory Assistance Database Service. This service provides a copy of the BellSouth Directory Assistance database to requesting carriers.

3. Selective Routing for CLEC-Branded Directory Assistance Services. BellSouth provides CLECs purchasing BellSouth unbundled local circuit switching and reselling BellSouth local exchange service with selective routing or a compatible signaling protocol for routing of calls to a requesting CLEC's directory service platform for provision of CLEC directory assistance services or to a BellSouth platform for BellSouth provision of CLEC-branded directory assistance. In either case, CLEC customers may use the same dialing arrangements as BellSouth customers, but obtain a CLEC-branded service. BellSouth's selective routing offering is discussed in Section X.A.3.f.

4. Rates. Rates for Directory Assistance Services provided under 47 U.S.C. § 271(c)(2)((B)(vii) may be obtained from BellSouth's tariffs or through negotiations.

C. Operator Call Completion Services. BellSouth provides operator services to CLECs in the same manner and extent, utilizing the same databases, that BellSouth provides operator services to its customers:

1. Busy Line Verification and Emergency Interrupt. Busy line verification and busy line verification and emergency interrupt allows BellSouth and CLEC subscribers to request an operator to verify that a line is busy or to interrupt a conversation.

2. Intercept Service. This service provides for call interception in the event of a number change or disconnect. BellSouth provides intercept service to CLECs.

3. Operator Call Processing Access Service. This service provides operator and automated call handling for processing and verification of alternative billing information for collect, calling card and billing to a third number. This service can also be used to provide customized call branding, dialing instructions and other operator assistance.

4. Centralized Message Distribution System. Centralized Message Distribution System ("CMDS") is a Bellcore administered national system used to transfer specially formatted messages among companies. BellSouth will offer CLECs CMDS Hosting and access to various mechanized reports provided through the system as set out in detail in Attachment E.

5. Selective Routing for CLEC-Branded Operator Call Completion Services. BellSouth provides CLECs purchasing BellSouth unbundled local circuit switching and reselling BellSouth local exchange service with selective routing or a compatible signaling protocol for routing of calls to a requesting CLEC's operator service platform for provision of CLEC operator call completion services or to a BellSouth platform for BellSouth provision of CLEC-branded operator call completion services. In either case, CLEC customers may use the same dialing arrangements as BellSouth customers, but obtain a CLEC-branded service. BellSouth's selective routing offering is discussed in Section X.A.3.f.

6. Rates. Rates for Operator Call Completion Services provided under 47 U.S.C. § 271(c)(2)((B)(vii) may be obtained from BellSouth's tariffs or through negotiations.

D. Quality of Network Elements. Where technically feasible, BellSouth provides CLECs nondiscriminatory access to the 911/E911 emergency network, directory assistance and operator call completion services, that is at least equal in quality to that which BellSouth provides itself. Attachment C contains detailed service descriptions and technical requirements applicable to CLEC nondiscriminatory access to BellSouth 911/E911 emergency network, directory assistance and operator call completion services. BellSouth provides network elements according to applicable industry standard technical references.

E. Ordering and Provisioning. Where technically feasible, BellSouth provides ordering and provisioning services for nondiscriminatory access to the 911/E911 emergency network, directory assistance and operator call completion services to CLECs that are equal to the ordering and provisioning services BellSouth provides to itself. Detailed guidelines for ordering and provisioning nondiscriminatory access to 911/E911 emergency network, directory assistance and operator call completion services elements are set out in the BellSouth Business Rules for Local Ordering. See Section XVI.

VIII. White Pages Directory Listings For CLEC Customers (47 U.S.C. § 271(c)(2)(B)(viii))

BellSouth provides CLECs and their customers access to white pages directory listings under the following terms:

A. Listings. BellSouth or its agent will include CLEC residential and business customer listings in the appropriate White Pages (residential and business) or alphabetical directories. Directory listings will make no distinction between CLEC and BellSouth subscribers.

B. Rates. Subscriber primary listing information in the White Pages shall be provided at no charge to CLECs or their subscribers provided that the CLEC provides subscriber listing information to BellSouth at no charge.

C. Procedures for Submitting CLEC Subscriber Information. BellSouth will provide to CLECs a magnetic tape or computer disk containing the proper format for submitting subscriber listings. CLECs will be required to provide BellSouth with directory listings and daily updates to those listings, including new, changed, and deleted listings, in an industry-accepted format. These procedures are detailed in the BellSouth Business Rules for Local Ordering. See Section XV.

D. Unlisted Subscribers. CLECs will be required to provide to BellSouth the names, addresses and telephone numbers of all CLEC customers that wish to be omitted from directories.

E. Inclusion of CLEC Customers in Directory Assistance Database. BellSouth will include and maintain CLEC subscriber listings in BellSouth's directory assistance

database at no charge. BellSouth and CLECs will formulate appropriate procedures regarding lead time, timeliness, format and content of listing information. CLEC subscriber listings and information will be migrated "as is" upon a change of service provider consistent with OBF standards.

F. Listing Information Confidentiality. BellSouth will accord a CLEC's directory listing information the same level of confidentiality that BellSouth accords its own directory listing information, and BellSouth shall limit access to a CLEC's customer proprietary confidential directory information to those BellSouth employees who are involved in the preparation of listings.

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

H. Delivery. BellSouth or its agent shall deliver White Pages directories to CLEC subscribers at no charge.

IX. Nondiscriminatory Access to Telephone Numbers For CLEC Customers (47 U.S.C. §§ 251(b)(3) and § 271((c)(2)(B)(ix))

Non-Discriminatory Access. A neutral party currently serves as the North American Numbering Plan administrator. BellSouth complies with the rules adopted pursuant to 47 U.S.C. § 251(e).

X. Nondiscriminatory Access to Signaling and Signaling Databases (47 U.S.C. §§ 251(c)(3), 252(d)(2) and 271(c)(2)(B)(x))

BellSouth provides nondiscriminatory access to signaling and signaling databases under the following terms:

A. Signaling and Signaling Databases. Signaling elements offered by BellSouth include signaling systems and databases. Signaling elements facilitate call routing and completion. BellSouth offers CLECs mediated access to BellSouth's signaling network and signaling databases on an unbundled basis. Available signaling elements include Signaling Links, Signal Transfer Points and Service Control Points.

1. Signaling Links. Signaling links are dedicated transmission paths carrying signaling messages between carrier switches and signaling networks. Signal Link Transport is a dedicated set of two or four 56 kbps transmission paths between the CLEC designated Signaling Points of Interconnection that provide a diverse transmission path and cross connect to a BellSouth Signal Transfer Point. BellSouth will provide connections between a switch or Service Switching Point and a home Signal Transfer Point and connections between two Signal Transfer Point pairs in different company networks.

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

3. Service Control Points. Service Control Points ("SCPs") are databases that store and provide access and the ability to manipulate information required to offer particular services. BellSouth provides the following SCP databases on an unbundled basis:

a. Line Information Database. The line information database ("LIDB") is an SCP transaction-oriented database that contains records associated with subscriber line numbers and special billing numbers. CLECs may query BellSouth's LIDB to verify collect or third number billing calls. BellSouth will enter CLEC line information into its LIDB under the terms of the Line Information Database Storage Agreement attached as Attachment F. Entry of line information into LIDB will allow CLEC end users to participate in alternate billing arrangements such as collect or third number billed calls.

b. Toll Free Number Database. The Toll Free Number Database is an SCP that provides functionality necessary for toll free number service.

c. Automatic Location Identification/Data Management System. The Automatic Location Identification/Data Management System contains subscriber information used to route calls to the appropriate Public Safety Answering Point.

d. Advanced Intelligent Network. BellSouth offers CLECs access to its SCP-based Advanced Intelligent Network ("AIN") through BellSouth's Service Creation Environment and Service Management System ("SCE/SMS"). SCE/SMS access allows CLECs to provide AIN services from either BellSouth switches or their own. It also allows CLECs to create service applications using BellSouth's AIN service creation tools and to deploy those services using BellSouth's service management tools. CLECs have the same access to SCE/SMS as BellSouth.

e. Additional Databases. BellSouth provides CLECs access to the following additional databases on an unbundled network element basis: Calling Name Database, 911 Database, E911 Database and number portability databases.

f. Selective Routing. Selective routing allows CLECs purchasing unbundled BellSouth local switching or reselling BellSouth retail service to identify and selectively route subscriber calls from a BellSouth switch and BellSouth services to a CLEC's switch and services using the same digits dialed by BellSouth subscribers. In addition, calls may be selectively routed to BellSouth platforms allowing BellSouth to provide CLEC-branded services on behalf of the CLEC. This allows CLEC branding of services such as operator, directory assistance or repair services. Selective routing is provided through AIN-based carrier routing service. BellSouth also provides selective routing through the use of line class codes.

B. Rates. Rates for BellSouth's signaling services, including databases, are set out in Attachment A.

C. Ordering and Provisioning. BellSouth provides selective routing, signaling and signaling database element ordering and provisioning services to CLECs that are at least equal in quality to the ordering and provisioning services BellSouth provides itself, where technically feasible. Detailed guidelines for ordering and provisioning selective routing, signaling and signaling database services are set out in the BellSouth Business Rules for Local Ordering. See Section XV.

D. Quality of Network Elements. BellSouth provides CLECs with unbundled signaling and signaling database elements, and access to those elements, that is at least equal in quality to that which BellSouth provides itself, where technically feasible. Attachment C contains detailed service descriptions and technical requirements applicable to CLEC access to BellSouth unbundled network elements including signaling and signaling databases. BellSouth provides network elements according to applicable industry standard technical references. See Section XVI.

E. 800 Query Rates. Rates for a CLEC to use BellSouth's 800 database (for query purposes only) are set out in Attachment A.

XI. Number Portability (47 U.S.C. §§ 251(b)(2) and 271(c)(2)(B)(xi))

A. Service Provider Number Portability. Service Provider Number Portability ("Number Portability") is a service arrangement that allows an end user customer who switches service providers to keep the same telephone number. BellSouth offers a permanent local number portability (LNP) solution.

B. Ordering and Provisioning. Detailed guidelines for ordering and provisioning are set out in the BellSouth Business Rules for Local Ordering. See Section XV.

C. Quality of Service. BellSouth will provide number portability to CLECs and their customers with minimum impairment of functionality, quality, reliability and convenience.

XII. Local Dialing Parity (47 U.S.C. §§ 251(b)(3) and 271(c)(2)(B)(xii))

Local Dialing Parity. CLEC customers will not have to dial any greater number of digits than BellSouth customers to complete the same type of call. In addition, CLEC local service customers will experience at least the same quality as BellSouth local service customers regarding post-dial delay, call completion rate and transmission quality.

XIII. Reciprocal Compensation (47 U.S.C. §§ 252(d)(2) and 271(c)(2)(B)(xiii))[4]

BellSouth provides reciprocal compensation under the following terms:

A. Mutual and Reciprocal Cost Recovery. BellSouth provides for the mutual and reciprocal recovery of the costs of transporting and terminating local calls on its and the CLECs networks. BellSouth's charges for transport and termination of calls on its network are set out in Attachment A.

B. Disputes Related to Reciprocal Compensation. If BellSouth and CLECs operating under this Statement and/or an interconnection agreement have any disputes regarding reciprocal compensation for transport and termination of traffic, they will continue to transport and terminate traffic so that end users are not affected until any dispute is resolved.

XIV. BellSouth Retail Services Available for Resale (47 U.S.C. §§ 251(b)(1), 251(c)(4), 252(d)(3) and 271(c)(2)(B)(xiv))

BellSouth provides retail telecommunications services for resale by CLECs under the following terms:

A. Retail Services. Retail telecommunications services ("retail services") are telecommunications services that BellSouth provides at retail to subscribers that are not telecommunications carriers. N11/911/E911 are not retail services and are not available for resale.

[4] Intercarrier compensation for traffic delivered to enhanced service providers (which includes traffic delivered to Internet Service Providers), is not subject to the reciprocal compensation provisions of section 251(b)(5) and will be treated consistent with the requirements for compensation set forth in the FCC's *Order on Remand and Report and Order* in the *Matter of Implementation of the Local Compensation Provisions in the Telecommunications Act of 1996 Intercarrier Compensation for ISP Bound Traffic*, CC Dockets 96-98 and 99-68, Released April 27, 2001.

B. Discounts. Retail services, as ordered by the Commission, are available at discounts set out in Attachment H. Discounts apply to intrastate tariffed services and are not applicable to non-tariffed services or products, taxes or other pass-through charges, such as the federal subscriber line charge and similar charges not included in intrastate tariffs.

C. Compliance with Tariff Conditions. Retail services must be resold in compliance with the applicable terms and conditions of the service offering that are contained in BellSouth's existing retail tariffs. Thus, for example, cross-class selling is prohibited. Pursuant to the Commission's orders, the following specific services must be resold as described below:

1. Grandfathered Services. Grandfathered services are available for resale. These services may only be offered to subscribers who have already been grandfathered. These services may not be resold to a different group(s) or a new group(s) of subscribers.

2. LinkUp/Lifeline Services. LinkUp/Lifeline services are available for resale. These services may be resold only to subscribers who meet the criteria that BellSouth currently applies to subscribers of these services. CLECs must discount LinkUp/Lifeline services by at least the same percentage as that currently provided by BellSouth.

3. N11/911/E911. N11/911/E911 services, including state specific discount plans, are available for resale. BellSouth provides 911/E911 service to CLECs for resale in the same manner that it is provided in BellSouth's retail tariffs. BellSouth will enable a CLEC to have 911 call routing to the appropriate Public Safety Answering Point ("PSAP"), and shall provide and validate customer information to the PSAP. Resale must maintain the integrity of these services.

4. Contract Service Arrangements. Discounted contract service arrangements ("CSAs") may be resold to the specific BellSouth end user for whom the CSA was constructed or to similarly situated end users. End users are similarly situated if their quantity of use and time of use, and the manner and costs of service, are the same. If a reseller assumes all of the terms and conditions of a CSA, no termination charges will apply upon the assumption of the CSA.

5. Promotions. Retail promotions offered for ninety (90) days or less will not be discounted. Promotions of more than ninety (90) days will be made available for resale at the promotional rate minus the applicable wholesale discount. These promotions may only be offered to customers who would qualify for the promotion if they received it directly from BellSouth.

D. Quality of Resale Services. The services and service provisioning that BellSouth provides CLECs for resale will be at least equal in quality to that provided to BellSouth, or any BellSouth subsidiary, affiliate or end user. BellSouth will provide resellers with preordering, service ordering, service trouble reporting and repair, and daily usage data functionality that will enable a reseller to provide equivalent levels of customer service to its local exchange customers as BellSouth provides to its own end users.

E. BellSouth Interaction with CLEC Customers. When interacting with CLEC resale customers on behalf of a CLEC, BellSouth employees will not market BellSouth services. BellSouth will provide parity in the treatment of CLEC customers with BellSouth customers.

F. Transfer of Customers. BellSouth will implement CLEC requests to disconnect the service of a BellSouth end user and transfer that customer's service to the CLEC. In the case of a customer terminating service from a CLEC, BellSouth will notify the CLEC within twenty-four (24) hours. BellSouth will not require end user confirmation prior to transferring an end user's service. A CLEC must, however, provide proof of authorization upon request.

G. Unauthorized Transfer of Customer. If an unauthorized change in local service provider occurs, BellSouth will reestablish service with the appropriate local service provider as requested by the end user and will assess the party responsible for the unauthorized change as described in FCC Tariff No. 1, Section 13, or applicable state tariff. The appropriate nonrecurring charges to reestablish the customer's service with the appropriate local service provider will also be assessed to the party responsible for the unauthorized change.

H. Primary Interexchange Carrier Selection. BellSouth will implement requests to change a CLEC end user's choice of a primary interexchange carrier and/or intraLATA toll carrier.

I. Customer of Record. The CLEC will be the customer of record for all retail services purchased from BellSouth. Except as specified in this Statement, BellSouth will take orders from, bill and expect payment from the CLEC for all services.

J. Single Point of Contact. The CLEC will be BellSouth's single point of contact for all retail services purchased, including all ordering activities and repair calls. For all repair requests, the CLEC must adhere to BellSouth's prescreening guidelines prior to referring troubles to BellSouth. BellSouth may bill the CLEC for troubles that are found not to be in the BellSouth network. BellSouth will have no other contact with CLEC end users, except as provided herein.

K. Detailed Guidelines for Ordering, Provisioning and Billing. Detailed guidelines for ordering, provisioning and billing of resold services are contained in the BellSouth Business Rules for Local Ordering. See Section XV.

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

M. Maintenance of BellSouth Facilities and Equipment. BellSouth facilities and equipment used to provide CLEC-resold services will be maintained by BellSouth. A CLEC or its end users may not rearrange, move, disconnect or attempt to repair any BellSouth facilities or equipment, other than by connection or disconnection to any interface means used, without the written consent of BellSouth.

N. Billing and Collection. This Statement does not provide for billing and collection services. CLEC requests for billing and collection services should be referred to the appropriate entity or operational group within BellSouth.

O. Discontinuing CLEC End User Service. BellSouth will discontinue service provided to a CLECs resale end user customers as follows:

1. Where possible, BellSouth will deny service to a CLEC's end user on behalf of, and at the request of, the CLEC. Upon restoration of the end user's service, restoral charges will apply and will be the responsibility of the CLEC.

2. At the request of a CLEC, BellSouth will disconnect a CLEC end user customer.

3. CLEC requests for denial or disconnection of an end user for nonpayment must be in writing.

4. A CLEC is solely responsible for notifying the end user of the proposed service disconnection.

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

XV. Ordering Guide

A. Ordering Guide. BellSouth provides detailed administrative information and procedures for ordering facilities and services under this Statement through the BellSouth Business Rules for Local Ordering. This manual sets out current order forms, ordering procedures and processes, contact names and other information to assist in ordering interconnection, facilities and resale services from BellSouth. This manual can be accessed at http://www.interconnection.bellsouth.com/guides/.. The administrative information and procedures set out in this manual is intended to ensure that CLECs understand how to order BellSouth unbundled network elements, resale services and other facilities and services set out in this Statement on a day-to-day basis. This manual will be updated to conform to CLEC needs, systems developments and changes to and improvements in administrative procedures. Changes to the manual will not affect BellSouth's commitments, set out in this Statement, to treat CLECs in a non-discriminatory manner.

XVI. Performance Measures/Enforcement Plan

A. Performance Measures and Enforcement Plan. Pursuant to the Commission's Order dated May 30, 2002 in Docket No. 25835, BellSouth's Permanent SQM and the SEEM plan as approved by the Georgia Public Service Commission shall be utilized on an interim basis in Alabama.

B. Additional Measures. Additional Service Quality Measurements and reports may be developed through the BFR process described in Attachment B.

XVII. Forecasting Requirements.

A. Technical Descriptions and Forecasting. CLECs ordering out of this Statement shall provide technical descriptions and forecasts of their interconnection and traffic requirements in sufficient detail to establish the interconnections necessary to assure traffic completion to and from all customers in their respective designated service areas.

B. Regular Meetings. The Parties shall meet every six months or at otherwise mutually agreeable intervals for the purpose of discussing non-binding forecasts of their traffic and volume requirements for interconnection and network elements provided under this Agreement, in the form and detail as agreed. Section XVII. C. contains guidelines regarding trunk forecasts and meetings that the Parties may use. The Parties agree that each forecast provided under this section shall be deemed "Confidential Information" under Section XXIII of this Statement.

C. Trunk Forecasts. The trunk forecast should include trunk requirements for all of the interconnecting trunk groups for the current year plus the next two years. Forecast

meetings may be face-to-face meetings, video or audio conferences. Meetings may be held regionally or otherwise. Forecast meetings should be held at least semi-annually, or more often if the forecast is no longer usable. Updates to a forecast or portions thereof should be made whenever the Party providing the forecast deems that the latest trunk requirements exceed the original quantities by 24 trunks or 10%, whichever is greater. Either Party should notify the other Party if they have measurements indicating that a trunk group is exceeding its designed call carrying capacity and is impacting other trunk groups in the network. Also, either Party should notify the other Party if they know of situations in which the traffic load is expected to increase significantly and thus affect the interconnecting trunk requirements as well as the trunk requirements within the other Party's network. BellSouth reserves the right to disconnect underutilized trunks. The Parties agree that forecast information provided under this Section shall be deemed "Confidential Information" under Section XXIII of this Statement.

D. Binding Forecasts. In addition to, and not in lieu of, the non-binding forecasts required by Section XVII.B., a Party that is required pursuant to this Statement to provide a forecast (the "Forecast Provider") or a Party that is entitled pursuant to this Statement to receive a forecast (the "Forecast Recipient") may request that the other Party negotiate to establish a forecast (a "Binding Forecast") that commits such Forecast Provider to purchase, and such Forecast Recipient to provide, a specified volume to be utilized as set forth in such Binding Forecast. The Forecast Provider and Forecast Recipient shall negotiate the terms of such Binding Forecast provisions in good faith and may include in such Binding Forecast provisions regarding price, quantity, liability for failure to perform and any other terms desired. The Parties agree that any Binding Forecast provided under this Section shall be deemed "Confidential Information" under Section XXIII of this Statement. Neither Party is required to enter into a Binding Forecast as described in this Section.

E. Non-Binding Forecasts. For a non-binding trunk forecast, agreement between the two Parties on the trunk quantities and the timeframe of those trunks does not imply any liability for failure to perform if the trunks are not available for use or ordered at the stated time.

XVIII. Network Design and Management (47 U.S.C. § 251(c)(5))

A. Network Management and Changes. BellSouth will work cooperatively with a CLEC to install and maintain reliable interconnected telecommunications networks, including but not limited to, maintenance contact numbers and escalation procedures. BellSouth agrees to provide public notice of changes in the information necessary for the transmission and routing of services using its local exchange facilities or networks, as well as of any other changes that would affect the interoperability of those facilities and networks.

B. Interconnection Standards. The interconnection of all networks will be based upon accepted industry/national guidelines for transmission standards and traffic blocking criteria.

C. Network Management Controls. BellSouth will work cooperatively with a CLEC to apply sound network management principles by invoking appropriate network management controls, *e.g.*, call gapping, to alleviate or prevent network congestion.

D. Common Channel Signaling. BellSouth will provide LEC-to-LEC Common Channel Signaling ("CCS") to a CLEC, where available, in conjunction with all traffic in order to enable full interoperability of CLASS features and functions except for call return. All CCS signaling parameters will be provided, including automatic number identification ("ANI"), originating line information ("OLI") calling company category, charge number, etc. All privacy indicators will be honored, and BellSouth will cooperate with a CLEC on the exchange of Transactional Capabilities Application Part ("TCAP") messages to facilitate full interoperability of CCS-based features between the respective networks.

E. Network Expansion. For network expansion, BellSouth will review engineering requirements with each CLEC on a quarterly basis and establish forecasts for trunk utilization. New trunk groups will be implemented as stated by engineering requirements for both parties.

F. Call Information. BellSouth will provide a CLEC with the proper call information, *i.e.*, originated call company number and destination call company number, CIC, and OZZ, including all proper translations for routing between networks and any information necessary for billing where BellSouth provides recording capabilities. The exchange of information is required to enable each company to bill properly.

XIX. Taxes

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

B. Taxes and Fees Imposed Directly On Either Seller or Purchaser.

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

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

C. Taxes and Fees Imposed on Purchaser But Collected And Remitted By Seller.

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

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

3. If the purchasing party determines that in its opinion any such taxes or fees are not payable, the providing party shall not bill such taxes or fees to the purchasing party if the purchasing party provides written certification, reasonably satisfactory to the providing party, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis therefor, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing party has determined and certified not to be payable, or any such tax or fee that was not billed by the providing party, the purchasing party may contest the same in good faith, at its own expense. In any such contest, the purchasing party shall promptly furnish the providing party with copies of all filings in any proceeding, protest, or legal challenge, all rulings issued in connection therewith, and all correspondence between the purchasing party and the taxing authority.

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

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

6. Notwithstanding any provision to the contrary, the purchasing party shall protect, indemnify and hold harmless (and defend at the purchasing party's expense) the providing party from and against any such tax or fee, interest or

penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing party in connection with any claim for or contest of any such tax or fee.

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

D. Taxes and Fees Imposed on Seller But Passed On To Purchaser.

1. Taxes and fees imposed on the providing party, which are permitted or required to be passed on by the providing party to its customer, shall be borne by the purchasing party.

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

3. If the purchasing party disagrees with the providing party's determination as to the application or basis for any such tax or fee, the Parties shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the foregoing, the providing party shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing party shall abide by such determination and pay such taxes or fees to the providing party. The providing party shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing party shall be at the purchasing party's expense.

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

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

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

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

E. Mutual Cooperation.

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

XX. Auditing Procedures

A. Audits. On thirty (30) days written notice, each company must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic. BellSouth and the CLEC shall retain records of call detail for a minimum of nine months from which a PLU can be ascertained. The audit shall be accomplished during normal business hours at an office designated by the company being audited. Audit requests shall not be submitted more frequently than one (1) time per calendar year. Audits shall be performed by a mutually acceptable independent auditory paid for by the company requesting the audit. The PLU shall be adjusted based upon the audit results and shall apply to the usage for the quarter the audit was completed, to the usage for the quarter prior to the completion of the audit, and to the usage for the two quarters following the completion of the audit. If, as a result of an audit, either company is found to have overstated the PLU by twenty percentage points (20%) or more, that company shall reimburse the auditing company for the cost of the audit.

B. Percentage Interstate Usage. For combined interstate and intrastate CLEC traffic terminated by BellSouth over the same facilities, a CLEC will be required to provide a projected Percentage Interstate Usage ("PIU")[5] to BellSouth. All jurisdictional report

[3]Percent of Interstate Usage (PIU) is defined as a factor to be applied to terminating access services minutes of use to obtain those minutes that should be rated as interstate access services minutes of use. The numerator includes all interstate "nonintermediary" minutes of use, including interstate minutes of use that are forwarded due to service

requirements, rules and regulations for IXCs specified in BellSouth's Intrastate Access Services Tariff will apply to the CLEC. After interstate and intrastate traffic percentages have been determined by use of PIU procedures, the PLU factor will be used for application and billing of local interconnection and intrastate toll access charges.

C. CLEC Resale Audit. BellSouth reserves the right to periodically audit services purchased by a CLEC for the purposes of resale to confirm that such services are being utilized in conformity with this Statement and BellSouth's tariffs. The CLEC will be required to make any and all records available to BellSouth or its auditors on a timely basis. BellSouth shall bear the cost of said audit that shall not occur more than once in a calendar year. If the audit determines that the services are being utilized in violation of this Statement or BellSouth's tariffs, the CLEC shall be notified and billing for the service will be immediately changed to conform with this Statement and BellSouth's tariffs. Service charges, back billing and interest may be applied.

XXI. Liability and Indemnification

A. BellSouth Liability. BellSouth shall take financial responsibility for its own actions in causing, or its lack of action in preventing, unbillable or uncollectible CLEC revenues.

B. Liability for Acts or Omissions of Third Parties. Neither BellSouth nor a CLEC shall be liable for any act or omission of another telecommunications company providing a portion of the services provided under this Statement.

C. Mutual Limitation of Liability. BellSouth and a CLEC shall limit the liability of each other to the customers of the other to the greatest extent permissible by law. Each company is required to include in its local service tariff if it files one, or in an appropriate document that is binding on its customers if it does not file a local service tariff, a limitation of liability for damages by its customers that covers each company as a provider of a portion of an end user service to the same extent as each company limits its own liability to its customers.

D. No Liability for Certain Damage. Neither BellSouth nor a CLEC shall be liable for damages to the other's terminal location, point of interface ("POI") or other company's customers' premises resulting from the furnishing of a service, including, but not limited to, the installation and removal of equipment or associated wiring, except to the extent caused by a company's negligence or willful misconduct or by a company's failure to properly ground a local loop after disconnection.

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provider number portability less any interstate minutes of use for Terminating Company Pays services, such as 800 Services. The denominator includes all "nonintermediary", local, interstate, intrastate, toll and access minutes of use adjusted for service provider number portability less all minutes attributable to terminating company pays services.

E. Indemnification for Certain Claims. BellSouth and a CLEC providing services, their affiliates and their parent company, shall be indemnified, defended and held harmless by each other against any claim, loss or damage arising from the receiving company's use of the services provided under this Statement pertaining to (1) claims for libel, slander, invasion of privacy or copyright infringement arising from the content of the receiving company's own communications, or (2) any claim, loss or damage claimed by the other company's customer arising from one company's use or reliance on the other company's services, actions, duties, or obligations arising out of this Statement.

F. No Liability for Certain Inaccurate Data. Neither BellSouth nor a CLEC assumes any liability for the accuracy of data provided by one company to the other and each company agrees to indemnify and hold harmless the other for any claim, action, cause of action, damage, or injury that might result from the supply of inaccurate data in conjunction with the provision of any service provided pursuant to this Statement.

XXII. Intellectual Property Rights and Indemnification

A. No License. No patent, copyright, trademark or other proprietary right is licensed, granted or otherwise transferred by this Statement. A CLEC is strictly prohibited from any use, including but not limited to in sales, in marketing or advertising of telecommunications services, of any BellSouth name, service mark or trademark.

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

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

D. Claim of Infringement. In the event that use of any facilities or equipment (including software), becomes or, in reasonable judgment of the party who owns the affected network is likely to become, the subject of a claim, action, suit, or proceeding

based on intellectual property infringement, then said party shall promptly and at its sole expense, but subject to the limitations of liability set forth below:

(i) modify or replace the applicable facilities or equipment (including software) while maintaining form and function, or (ii) obtain a license sufficient to allow such use to continue. In the event (i) or (ii) are commercially unreasonable, then said party may, (iii) terminate, upon reasonable notice, this contract with respect to use of, or services provided through use of, the affected facilities or equipment (including software), but solely to the extent required to avoid the infringement claim.

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

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

XXIII. Treatment of Proprietary and Confidential Information

A. Confidential Information. It may be necessary for BellSouth and a CLEC to provide each other with certain confidential information, including trade secret information, including but not limited to, technical and business plans, technical information, proposals, specifications, drawings, procedures, customer account data, call detail records and like information (hereinafter collectively referred to as "Information"). All Information shall be in writing or other tangible form and clearly marked with a confidential, private or proprietary legend and that the Information will be returned to the owner within a reasonable time. The Information shall not be copied or reproduced in any form. BellSouth and the CLEC shall receive such Information and not disclose such Information. BellSouth and the CLEC shall protect the Information received from distribution, disclosure or dissemination to anyone except employees of BellSouth and the CLEC with a need to know such Information and which employees agree to be bound by the terms of this Section. BellSouth and the CLEC will use the same standard of care to protect Information received as they would use to protect their own confidential and proprietary Information.

B. Exception to Obligation. Notwithstanding the foregoing, there will be no obligation on BellSouth or the CLEC to protect any portion of the Information that is: (1) made publicly available by the owner of the Information or lawfully disclosed by a party other than BellSouth or the CLEC; (2) lawfully obtained from any source other than the owner of the Information; or (3) previously known to the receiving company without an obligation to keep it confidential.

XXIV. Notices/Discontinuance of Service/Deposits

A. BellSouth provides notice to CLECs ordering interconnection, unbundled network elements or retail telecommunications services for resale under this Statement under the following terms:

1. Notice of Network Changes. BellSouth provides notice of network changes in compliance with FCC rules.

2. Notice of Changes Affecting Unbundled Network Element and Resale Offerings. BellSouth provides CLECs advance notice of any changes to its retail services 45 days before such changes. Such notification will be via Internet posting of changes affecting unbundled network element and resale offerings, including operations support systems. To the extent that revisions occur between the time BellSouth notifies a CLEC of changes under this Statement and the time the changes are scheduled to be implemented, BellSouth will immediately notify a CLEC of such revisions consistent with BellSouth's internal notification process. CLEC may not hold BellSouth responsible for any cost incurred as a result of such revisions, unless such costs are incurred as a result of BellSouth's intentional misconduct.

3. Notices in Writing. Every notice, consent, approval, or other communications required by this Statement to be in writing, for example, notices of discontinuation of service under Section XIV.O. and P. shall be delivered in person or given by postage prepaid mail to the address the intended recipient previously shall have designated by written notice to the other party. Notices to BellSouth shall be addressed to the CLEC's account manager.

B. Discontinuing Service to a CLEC. The procedures for discontinuing service to a CLEC are as follows:

1. BellSouth reserves the right to suspend or terminate service for nonpayment or in the event of prohibited, unlawful or improper use of BellSouth facilities or service or any other violation or noncompliance by a CLEC of the rules and regulations contained in BellSouth's tariffs.

2. If payment of account is not received by the bill day in the month after the original bill day, BellSouth may provide written notice to the

CLEC that additional applications for service will be refused and that any pending orders for service will not be completed if payment is not received by the fifteenth day following the date of the notice. If BellSouth does not refuse additional applications for service on the date specified in the notice and the CLEC's noncompliance continues, nothing contained herein shall preclude BellSouth's right to refuse additional applications for service without further notice.

3. If payment of the account is not received or arrangements made by the bill day in the second consecutive month, the account will be considered in default and will be subject to denial or disconnection, or both.

4. If the CLEC fails to comply with the provisions of this Statement, including any payments to be made by it on the dates and times specified, BellSouth may, on thirty days written notice to the person designated by the CLEC to receive notices of noncompliance, discontinue the provision of existing services to the CLEC at any time thereafter. In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due. If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and the CLEC's noncompliance continues, nothing contained herein shall preclude BellSouth's right to discontinue the provision of the services to the CLEC without further notice.

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

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

C. Deposits. BellSouth may require a CLEC to make a deposit when purchasing services for resale purposes to be held by BellSouth as a guarantee of the payment of rates and charges. Any such deposit may be held during the continuance of the service and may not exceed two month's estimated billing. The fact that a deposit has been made in no way relieves the CLEC from the prompt payment of bills on presentation, nor does it constitute a waiver or modification of the regular practices of BellSouth providing for the discontinuance of service for non-payment of any sums due BellSouth. In the event that a CLEC defaults on its account, service to the CLEC will

be terminated and any deposits held will be applied to its account. In the case of a cash deposit, interest at the rate of six percent per annum shall be paid to the CLEC during the continuance of the deposit. Interest on a deposit shall accrue annually and, if requested, shall be annually credited to the CLEC by the accrual date.

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
A.0	UNBUNDLED LOCAL LOOP						
A.1	2-WIRE ANALOG VOICE GRADE LOOP						
	A.1.1	2-Wire Analog Voice Grade Loop - Service Level 1					
			1	12.58		37.81	17.56
			2	21.05		37.81	17 56
	A.1 2	2-Wire Analog Voice Grade Loop - Service Level 2	3	34.34		37.81	17 56
			1	14 38		88.00	55.00
			2	22 85		88 00	55.00
	A.1.8	Engineering Information	3	36.14		88.00	55.00
A.2	SUB-LOOP				13 44		
	A.2 1	Sub-Loop Feeder Per 2-Wire Analog Voice Grade Loop					
			1	8 03		93.00	56 48
			2	12 00		93 00	56.48
	A 2 2	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop	3	20 39		93.00	56 48
			1	11 21		65 80	30.96
			2	11.94		65.80	30 96
	A.2 11	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop	3	16 86		65 80	30 96
			1	8 46		79.03	44 19
			2	16.67		79 03	44.19
	A 2.13	Network Interface Device Cross Connect	3	32.57		79.03	44.19
	A 2 14	2-Wire Intrabuilding Network Cable (INC)				5 87	5 87
	A.2.15	4-Wire Intrabuilding Network Cable (INC)		2 27		53 01	18.17
	A.2 17	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up		5 16		59.25	24.41
	A.2 18	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up			244.42		
	A 2 19	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up			22 64		
	A 2 20	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up			177 45		
	A.2 21	Sub-Loop - Per Cross Box Location - CLEC Distribution Facility Set-Up			55.15		
	A 2 24	Sub-Loop - Per 4-Wire Analog Voice Grade Loop / Feeder Only			244.42		
			1	19.21		107.56	70.09
			2	23 47		107.56	70.09
	A 2.25	Sub-Loop - Per 2-Wire ISDN Digital Grade Loop / Feeder Only	3	39 63		107 56	70.09
			1	14 87		106.16	68 69
			2	21 69		106.16	68 69
	A 2 29	Sub-Loop - Per 4-Wire 56 or 64 Kbps Digital Grade Loop / Feeder Only	3	32.51		106 16	68.69
			1	19 20		101.85	64 38
			2	21 64		101 85	64 38
	A.2 30	Sub-Loop - Per 2-Wire Copper Loop / Feeder Only	3	23 75		101.85	64.38
			1	5.75		83.78	46 32
			2	4.93		83.78	46.32
	A 2.32	Sub-Loop - Per 4-Wire Copper Loop / Feeder Only	3	3 98		83.78	46.32
			1	12.71		100 99	63 53
			2	9.69		100.99	63.53
	A.2 40	Sub-Loop - Per 2-Wire Copper Loop / Distribution Only	3	14.37		100.99	63 53
			1	6 22		65.80	30 96
			2	8 76		65.80	30.96
	A.2 42	Sub-Loop - Per 4-Wire Copper Loop / Distribution Only	3	11 27		65 80	30 96
			1	6.11		79.03	44.19
			2	12.61		79 03	44.19
			3	15 36		79 03	44.19

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	A 2.44	Network Interface Device (NID) - 2 line				43.23	28.38
	A 2.45	Network Interface Device (NID) - 6 line				63 97	49 11
A.3	LOOP CHANNELIZATION AND CO INTERFACE (INSIDE CO)						
	A 3.12	Unbundled Loop Concentration - System A (TR008)		364 17		325 41	
	A.3 13	Unbundled Loop Concentration - System B (TR008)		43 70		135.59	
	A 3 14	Unbundled Loop Concentration - System A (TR303)		395 12		325 41	
	A 3.15	Unbundled Loop Concentration - System B (TR303)		73 64		135.59	
	A.3 16	Unbundled Loop Concentration - DS1 Line Interface Card		4 16		63.29	46.07
	A 3.17	Unbundled Loop Concentration - POTS Card		1 65		10 54	10.48
	A 3.18	Unbundled Loop Concentration - ISDN (Brite Card)		6 60		10.54	10.48
	A.3 19	Unbundled Loop Concentration - SPOTS Card		9 81		10 54	10.48
	A.3.20	Unbundled Loop Concentration - Specials Card		5 85		10.54	10 48
	A 3.21	Unbundled Loop Concentration - TEST CIRCUIT Card		28.60		10 54	10.48
	A.3 22	Unbundled Loop Concentration - Digital 19, 56, 64 Kbps Data		8 67		10 54	10.48
A.4	4-WIRE ANALOG VOICE GRADE LOOP						
	A.4.1	4-Wire Analog Voice Grade Loop					
			1	25 34		131.97	94.51
			2	38 58		131 97	94 51
			3	60.02		131.97	94.51
A.5	2-WIRE ISDN DIGITAL GRADE LOOP						
	A 5 1	2-Wire ISDN Digital Grade Loop					
			1	21.88		117 24	79.77
			2	32.85		117.24	79.77
	A 5.6	Universal Digital Channel	3	48 55		117 24	79.77
			1	21.88		117.24	79 77
			2	32 85		117.24	79 77
			3	48 55		117 24	79.77
A.6	2-WIRE ASYMMETRICAL DIGITAL SUBSCRIBER LINE (ADSL) COMPATIBLE LOOP						
	A.6 1wLMU	2-WIRE ASYMMETRICAL DIGITAL SUBSCRIBER LINE (ADSL) COMPATIBLE LOOP (Nonrecurring w/ LMU)					
		A 6.1 2-Wire Asymmetrical Digital Subscriber Line (ADSL) Compatible Loop	1	11 01			
			2	12 73			
			3	14.30			
		A 6 5 2-Wire Asymmetrical Digital Subscriber Line (ADSL) Compatible Loop (Nonrecurring w/ LMU)					
		A.17 4 Unbundled Loop Modification - Additive				110 00	68.00
						0 00	0.00
	A.6.1woLM	2-WIRE ASYMMETRICAL DIGITAL SUBSCRIBER LINE (ADSL) COMPATIBLE LOOP (Nonrecurring w/o LMU)					
		A 6 1 2-Wire Asymmetrical Digital Subscriber Line (ADSL) Compatible Loop	1	11.01			
			2	12 73			
			3	14 30			
		A.6.6 2-Wire Asymmetrical Digital Subscriber Line (ADSL) Compatible Loop (Nonrecurring w/o LMU)					
		A.17 4 Unbundled Loop Modification - Additive				90.00	57.00
						0 00	0.00
A.7	2-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP						
	A.7.1wLMU	2-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP (Nonrecurring w/ LMU)					
		A.7 1 2-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop	1	8 74			
			2	10.17			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
		A.7.5 2-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop (Nonrecurring w/ LMU)	3	11 44			
		A 17 4 Unbundled Loop Modification - Additive				110 00	68 00
						0.00	0.00
	A 7.1woLM	2-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP (Nonrecurring w/o LMU)					
		A 7 1 2-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop	1	8 74			
			2	10.17			
		A 7 6 2-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop (Nonrecurring w/o LMU)	3	11.44			
		A.17 4 Unbundled Loop Modification - Additive				90 00	57 00
						0 00	0.00
A.8	4-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP						
	A 8.1wLMU	4-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP (Nonrecurring w/ LMU)					
		A 8 1 4-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop	1	13.95			
			2	15 56			
		A.8.5 4-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop (Nonrecurring w/ LMU)	3	15.25			
		A.17 4 Unbundled Loop Modification - Additive				148 36	68.00
						0.00	0.00
	A.8.1woLM	4-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP (Nonrecurring w/o LMU)					
		A 8 1 4-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop	1	13.95			
			2	15.56			
		A.8.6 4-Wire High Bit Rate Digital Subscriber Line (HDSL) Compatible Loop (Nonrecurring w/o LMU)	3	15.25			
		A.17.4 Unbundled Loop Modification - Additive				94.00	57.00
						0.00	0.00
A.9	4-WIRE DS1 DIGITAL LOOP						
	A.9.1	4-Wire DS1 Digital Loop					
			1	82 55		252.47	157.54
			2	154.18		252.47	157.54
	A.9.2	Sub-Loop Feeder Per 4-Wire DS1 Digital Loop	3	314 52		252 47	157 54
			1	55.09		101 85	64.38
			2	124.69		101 85	64.38
			3	294 62		101 85	64 38
A.10	4-WIRE 19, 56 OR 64 KBPS DIGITAL GRADE LOOP						
	A 10 1	4-Wire 19, 56 or 64 Kbps Digital Grade Loop					
			1	26 09		126.27	88.80
			2	35 95		126.27	88.80
			3	37 88		126.27	88 80
A.12	CONCENTRATION PER SYSTEM PER FEATURE ACTIVATED (OUTSIDE CENTRAL OFFICE)						
	A.12.1	Unbundled Loop Concentration - System A (TR008)		450.99		204 05	111.15
	A.12.2	Unbundled Loop Concentration - System B (TR008)		64.42		204 05	111.15
	A 12 3	Unbundled Loop Concentration - System A (TR303)		479.70		204.05	111.15
	A 12.4	Unbundled Loop Concentration - System B (TR303)		93.13		204.05	111 15
	A 12 5	Unbundled Sub-loop Concentration - USLC Feeder Interface	1	50 29		101.85	64.38
			2	98 73		101.85	64 38

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
	A.12.6	Unbundled Loop Concentration - POTS Card	3	177.05		101 85	64 38
	A.12.7	Unbundled Loop Concentration - ISDN (Brite Card)		1.75		10.54	10.48
	A.12.8	Unbundled Loop Concentration - SPOTS Card		7.00		10 54	10 48
	A.12 9	Unbundled Loop Concentration - Specials Card		10 40		10.54	10 48
	A.12 10	Unbundled Loop Concentration - TEST CIRCUIT Card		6.20		10 54	10.48
	A 12.11	Unbundled Loop Concentration - Digital 19, 56, 64 Kbps Data		30 33		10 54	10 48
				9 19		10.54	10.48
A.13	2-WIRE COPPER LOOP						
	A.13 1wLM	2-Wire Copper Loop - short (Nonrecurring w/ LMU)					
		A.13.1 2-Wire Copper Loop - short	1	11 01			
			2	12.73			
			3	14 30			
		A.13 8 2-Wire Copper Loop - short (Nonrecurring w/ LMU)				112.46	65.30
		A.17.4 Unbundled Loop Modification - Additive				0.00	0 00
	A 13.1woLM	2-Wire Copper Loop - short (Nonrecurring w/o LMU)					
		A.13 1 2-Wire Copper Loop - short	1	11.01			
			2	12.73			
			3	14.30			
		A.13.9 2-Wire Copper Loop - short (Nonrecurring w/o LMU)				91.46	54 30
		A.17 4 Unbundled Loop Modification - Additive				0 00	0.00
	A.13.7wLM	2-Wire Copper Loop - long (Nonrecurring w/ LMU)					
		A 13 7 2-Wire Copper Loop - long	1	31 42			
			2	55.01			
			3	80 00			
		A.13.10 2-Wire Copper Loop - long (Nonrecurring w/ LMU)				112.46	65 30
	A.13 7woLM	2-Wire Copper Loop - long (Nonrecurring w/o LMU)					
		A.13.7 2-Wire Copper Loop - long	1	31.42			
			2	55.01			
			3	80 00			
		A.13 11 2-Wire Copper Loop - long (Nonrecurring w/o LMU)				91 46	54.30
	A.13.12	2-Wire Unbundled Copper Loop - Non Design	1	11.20		34.14	15.10
			2	13 27		34.14	15.10
			3	15 07		34 14	15.10
A.14	4-WIRE COPPER LOOP						
	A 14.1wLM	4-Wire Copper Loop - short (Nonrecurring w/ LMU)					
		A.14.1 4-Wire Copper Loop - short	1	17.36			
			2	20.76			
			3	28 21			
		A.14 8 4-Wire Copper Loop - short (Nonrecurring w/ LMU)				135 21	88.05
		A 17.4 Unbundled Loop Modification - Additive				0 00	0.00

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
	A 14 1woLM	4-Wire Copper Loop - short (Nonrecurring w/o LMU)					
		A.14 1 4-Wire Copper Loop - short					
			1	17 36			
			2	20 76			
			3	28 21			
		A 14 9 4-Wire Copper Loop - short (Nonrecurring w/o LMU)					
		A.17 4 Unbundled Loop Modification - Additive				114.21	67.05
						0 00	0.00
	A.14.7wLM	4-Wire Copper Loop - long (Nonrecurring w/ LMU)					
		A 14 7 4-Wire Copper Loop - long					
			1	49 35			
			2	92.45			
		A.14.10 4-Wire Copper Loop - long (Nonrecurring w/ LMU)	3	127 39			
						135.21	88 05
	A.14.7woLM	4-Wire Copper Loop - long (Nonrecurring w/o LMU)					
		A.14 7 4-Wire Copper Loop - long					
			1	49 35			
			2	92 45			
		A.14 11 4-Wire Copper Loop - long (Nonrecurring w/o LMU)	3	127 39			
						114.21	67.05
A.15	UNBUNDLED NETWORK TERMINATING WIRE (NTW)						
	A.15 1	Unbundled Network Terminating Wire (NTW) per Pair					
				0.40	30.01		
A.16	HIGH CAPACITY UNBUNDLED LOCAL LOOP						
	A.16.1	High Capacity Unbundled Local Loop - DS3 - Facility Termination		308.98		451.52	263 94
	A 16 2	High Capacity Unbundled Local Loop - DS3 - Per Mile		8.38			
	A.16.4	High Capacity Unbundled Local Loop - OC3 - Facility Termination		505 79		483.06	204 36
	A.16.5	High Capacity Unbundled Local Loop - OC3 - Per Mile		6 36			
	A 16.7	High Capacity Unbundled Local Loop - OC12 - Facility Termination		1,880.18		591 53	204.36
	A.16.8	High Capacity Unbundled Local Loop - OC12 - Per Mile		7.83			
	A.16 10	High Capacity Unbundled Local Loop - OC48 - Facility Termination		1,271 70		591.53	204.36
	A 16 11	High Capacity Unbundled Local Loop - OC48 - Per Mile		25 68			
	A 16 13	High Capacity Unbundled Local Loop - OC48 - Interface OC12 on OC48		545 80		271.77	155 98
	A.16.15	High Capacity Unbundled Local Loop - STS-1 - Facility Termination		319 83		451.52	263 94
	A 16 16	High Capacity Unbundled Local Loop - STS-1 - Per Mile		8 38			
A.17	LOOP CONDITIONING						
	A.17.1	Unbundled Loop Modification - Load Coil / Equipment Removal - short			0.00		
	A 17.2	Unbundled Loop Modification - Load Coil / Equipment Removal - long			170.51		
	A.17.3	Unbundled Loop Modification - Bridged Tap Removal			32 41		
	A.17 5	Unbundled Sub-Loop Modification - 2W/4W Copper Distribution Load Coil/Equipment Removal First/Add'l				175.78	5.10
	A.17.6	Unbundled Sub-Loop Modification - 2W/4W Copper Distribution Bridged Tap Removal First/Add'l				278.20	6 11
A.18	MULTIPLEXERS						
	A.18.1	Channelization - Channel System DS1 to DS0		101 06		91.04	62.57
	A 18.2	Interface Unit - Interface DS1 to DS0 - OCU-DP Card		1 12		6.58	4.72
	A 18.3	Interface Unit - Interface DS1 to DS0 - BRITE Card		2.41		6 58	4.72
	A 18 4	Interface Unit - Interface DS1 to DS0 - Voice Grade Card		0 53		6.58	4.72
	A.18 5	Channelization - Channel System DS3 to DS1		166 13		178.14	93.97
	A.18.6	Interface Unit - Interface DS3 to DS1		12.70		6 58	4.72

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
A.19	LOOP TESTING						
	A.19.1	Loop Testing - Basic per 1/2 hour					
	A.19.2	Loop Testing - Overtime per 1/2 hour				34 16	19.85
	A 19.3	Loop Testing - Premium per 1/2 hour				44 51	25 97
						54.87	32 08
B.0	UNBUNDLED LOCAL EXCHANGE PORTS AND FEATURES						
B.1	EXCHANGE PORTS (Includes access to vertical features)						
	B.1.1	Exchange Ports - 2-Wire Analog Line Port (Res , Bus., Centrex, Coin)		2 47		2.38	2.27
	B 1.2	Exchange Ports - 4-Wire Analog Voice Grade Port		8.42		2.38	2 27
	B 1.3	Exchange Ports - 2-Wire DID Port		9.14		119.31	18.74
	B.1 4	Exchange Ports - DDITS Port		61.18		202 02	95.69
	B 1 5	Exchange Ports - 2-Wire ISDN Port		10 88		72.77	52.99
	B 1 6	Exchange Ports - 4-Wire ISDN DS1 Port		85.41		203.81	101.56
	B 1.7	Exchange Ports - 2-Wire Analog Line Port (PBX)		2.47		31.27	14.85
C.0	UNBUNDLED SWITCHING AND LOCAL INTERCONNECTION						
C.1	END OFFICE SWITCHING						
	C 1 1	End Office Switching Function, Per MOU		0 0007025			
	C 1.2	End Office Trunk Port - Shared, Per MOU		0 0001638			
C.2	TANDEM SWITCHING						
	C 2 1	Tandem Switching Function Per MOU		0 00010			
	C.2.2	Tandem Trunk Port - Shared, Per MOU		0 00020			
D.0	UNBUNDLED TRANSPORT AND LOCAL INTEROFFICE TRANSPORT						
D.1	COMMON TRANSPORT						
	D 1 1	Common Transport - Per Mile, Per MOU		0 0000023			
	D 1.2	Common Transport - Facilities Termination Per MOU		0.0003224			
D.2	INTEROFFICE TRANSPORT - DEDICATED - VOICE GRADE						
	D.2 1	Interoffice Transport - Dedicated - 2-Wire Voice Grade - Per Mile		0 008838			
	D 2.2	Interoffice Transport - Dedicated - 2- Wire Voice Grade - Facility Termination		21.13		40.54	27.41
D.3	INTEROFFICE TRANSPORT - DEDICATED - DS0 - 56/64 KBPS						
	D.3 1	Interoffice Transport - Dedicated - DS0 - Per Mile		0 008838			
	D 3.2	Interoffice Transport - Dedicated - DS0 - Facility Termination		15 12		40.54	27.41
D.4	INTEROFFICE TRANSPORT - DEDICATED - DS1						
	D 4 1	Interoffice Transport - Dedicated - DS1 - Per Mile		0.18			
	D 4.2	Interoffice Transport - Dedicated - DS1 - Facility Termination		60 16		89.27	81.81
D 5	LOCAL CHANNEL - DEDICATED						
	D 5.1	Local Channel - Dedicated - 2-Wire Voice Grade		13 97		193 10	33.17
	D.5 2	Local Channel - Dedicated - 4-Wire Voice Grade		14 93		193.53	33.60
	D 5 7	Local Channel - Dedicated - DS3 - Per Mile		6.92			
	D 5 8	Local Channel - Dedicated - DS3 - Facility Termination		416.54		451.52	263.94

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	D 5 10	Local Channel - Dedicated - OC3 - Per Mile		5 81			
	D 5 11	Local Channel - Dedicated - OC3 - Facility Termination		872 27		483 06	204.36
	D.5 13	Local Channel - Dedicated - OC12 - Per Mile		8.30			
	D.5.14	Local Channel - Dedicated - OC12 - Facility Termination		2,614.00		591.53	204.36
	D.5.16	Local Channel - Dedicated - OC48 - Per Mile		27 24			
	D 5 17	Local Channel - Dedicated - OC48 - Facility Termination		1,527.80		591 53	204 36
	D 5.19	Local Channel - Dedicated - OC48 - Interface OC12 on OC48		548.01		271.77	155 98
	D 5 21	Local Channel - Dedicated - STS-1 - Facility Termination		408 49		451.52	263.94
	D 5.23	Local Channel - Dedicated - STS-1 -Per Mile		6 92			
	D.5 24	Local Channel - Dedicated - DS1	1	35 76		177.47	153.72
			2	49.98		177.47	153.72
			3	107 63		177 47	153.72
D.6	INTEROFFICE TRANSPORT - DEDICATED - DS3						
	D 6.1	Interoffice Transport - Dedicated - DS3 - Per Mile		4 09			
	D 6.2	Interoffice Transport - Dedicated - DS3 - Facility Termination		703 52		278.75	162 76
D.7	INTEROFFICE TRANSPORT - DEDICATED - OC3						
	D 7 1	Interoffice Transport - Dedicated - OC3 - Per Mile		6 03			
	D 7.2	Interoffice Transport - Dedicated - OC3 - Facility Termination		1,935.75		434 67	155.98
D.8	INTEROFFICE TRANSPORT - DEDICATED - OC12						
	D 8 1	Interoffice Transport - Dedicated - OC12 - Per Mile		15 79			
	D 8.2	Interoffice Transport - Dedicated - OC12 - Facility Termination		7,647.45		543.14	155.98
D.9	INTEROFFICE TRANSPORT - DEDICATED - OC48						
	D 9.1	Interoffice Transport - Dedicated - OC48 - Per Mile		25.14			
	D.9.2	Interoffice Transport - Dedicated - OC48 - Facility Termination		9,157.65		543.14	155.98
	D.9 4	Interoffice Transport - Dedicated - OC48 - Interface OC12 on OC48		1,115 28		271 77	155.98
D.10	INTEROFFICE TRANSPORT - DEDICATED - STS-1						
	D.10 1	Interoffice Transport - Dedicated - STS-1 - Per Mile		4.09			
	D 10 2	Interoffice Transport - Dedicated - STS-1 - Facility Termination		701 37		278.75	162.76
D.12	INTEROFFICE TRANSPORT - DEDICATED - 4-WIRE VOICE GRADE						
	D 12 1	Interoffice Transport - Dedicated - 4-Wire Voice Grade - Per Mile		0 01			
	D 12.2	Interoffice Transport - Dedicated - 4-Wire Voice Grade - Facility Termination		18.73		40.54	27.41
E.0	SIGNALING NETWORK, DATA BASES, & SERVICE MANAGEMENT SYSTEMS						
E.1	800 ACCESS TEN DIGIT SCREENING						
	E.1.1	800 Access Ten Digit Screening, Per Call		0.00056			
	E 1 2	800 Access Ten Digit Screening, Reservation Charge Per 800 Number Reserved				2.58	0 44
	E 1 3	800 Access Ten Digit Screening, Per 800 No. Established W/O POTS Translations				5.94	0.81
	E.1.4	800 Access Ten Digit Screening, Per 800 No. Established With POTS Translations				5.94	0.81
	E 1 5	800 Access Ten Digit Screening, Customized Area of Service Per 800 Number				2 58	1.29
	E 1 6	800 Access Ten Digit Screening, Multiple InterLATA CXR Routing Per CXR Requested Per 800 No				3 02	1.73
	E 1 7	800 Access Ten Digit Screening, Change Charge Per Request				3.02	0.44
	E.1.8	800 Access Ten Digit Screening, Call Handling and Destination Features				2.58	
	E.1 9	800 Access Ten Digit Screening, w/ 8FL No Delivery		0 000565			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
	E 1 10	800 Access Ten Digit Screening, w/ POTS No. Delivery		0.000565		First	Additional
E.2	LINE INFORMATION DATA BASE ACCESS (LIDB)						
	E 2 1	LIDB Common Transport Per Query					
	E 2 2	LIDB Validation Per Query		0.000020			
	E 2.3	LIDB Onginating Point Code Establishment or Change		0 012002			
					34 32		
E.3	CCS7 SIGNALING TRANSPORT						
	E.3.1	CCS7 Signaling Connection, Per 56Kbps Facility					
	E 3 2	CCS7 Signaling Termination, Per STP Port		15 46	35.53		
	E 3 3	CCS7 Signaling Usage, Per Call Setup Message		130.83			
	E.3.4	CCS7 Signaling Usage, Per TCAP Message		0 0000142			
	E.3 7	CCS7 Signaling Connection, Per link (A link) (same as E 3 1)		0.0000569			
	E 3.8	CCS7 Signaling Connection, Per link (B link) (also known as D link) (same as E.3 1)		15.46	35.53		
	E.3.9	CCS7 Signaling Usage, Per ISUP Message (same as E 3 3)		15 46	35.53		
	E.3.10	CCS7 Signaling Usage Surrogate, per link		0.0000142			
	E.3 11	CCS7 Signaling Point Code, Establishment or Change, per STP affected		650 33			
					29 01		
E.4	BELLSOUTH CALLING NAME (CNAM) DATABASE (DB) SERVICE						
	E 4 1	CNAM for DB Owners - Service Establishment, Manual *				22 95	
	E 4 2	CNAM for Non DB Owners - Service Establishment, Manual *				22 95	
	E.4 3	CNAM for DB Owners Service Provisioning with Point Code Establishment *				990.88	732 84
	E.4.4	CNAM for Non DB Owners Service Provisioning with Point Code Establishment *				342 33	245.14
	E.4 5	CNAM for DB and Non DB Owners, Per Query		0.000902			
E.5	BELLSOUTH ACCESS TO E911 SERVICE						
	E 5 1	BellSouth E911 Access - Local Channel - Dedicated - 2-wire Voice Grade (Same as D 5.1)		13 97		193.10	33.17
	E 5 2	BellSouth E911 Access - Interoffice Transport - Dedicated - 2-wire Voice Grade Per Mile (Same as D.2.1)		0 008838			
	E 5.3	BellSouth E911 Access - Interoffice Transport - Dedicated - 2-wire Voice Grade Per Facility Termination (Same as D 2 2)		21.13		40.54	27.41
	E.5 4	BellSouth E911 Access - Local Channel - Dedicated - DS1 (Same as D 5.24)	1	35 76		177 47	153.72
			2	49.98		177 47	153 72
			3	107.63		177.47	153 72
	E 5 5	BellSouth E911 Access - Interoffice Transport - Dedicated - DS1 Per Mile (Same as D 4 1)		0 18			
	E.5.6	BellSouth E911 Access - Interoffice Transport - Dedicated - DS1 Per Facility Termination (Same as D.4.2)		60 16		89 27	81 81
E.6	LNP QUERY SERVICE						
	E 6.1	LNP Cost Per query		0.000757			
	E 6 2	LNP Service Establishment Manual *				12 52	
	E 6 3	LNP Service Provisioning with Point Code Establishment *				593 49	303.20
G.0	SELECTIVE ROUTING						
G.9	SELECTIVE ROUTING (INTERIM SOLUTION LINE CLASS CODES)						
	G 9.1	Selective Routing Per Unique Line Class Code Per Request Per Switch			84 70		
G.11	SELECTIVE CARRIER ROUTING (AIN SOLUTION)						
	G.11.1	Service Establishment per CLEC			101,098.91		
	G.11.2	Service Establishment per End Office			169.88		
	G 11 4	Query Cost		0.002749			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
H.0	COLLOCATION						
H.1	PHYSICAL COLLOCATION						
	H 1.1	Physical Collocation - Application Cost - Initial			1,879 48		
	H 1 5	Physical Collocation - Cable Installation			859 71		
	H 1 6	Physical Collocation - Floor Space per Sq. Ft		3 22			
	H.1.7	Physical Collocation - Cable Support Structure		17.11			
	H.1.8	Physical Collocation - Power per Fused Amp		7.83			
	H 1 9	Physical Collocation - 2-Wire Cross-Connects		0 03		12.30	11.80
	H 1.10	Physical Collocation - 4-Wire Cross-Connects		0.05		12.39	11.87
	H.1.11	Physical Collocation - DS1 Cross-Connects		1 11		22.03	15.93
	H 1.12	Physical Collocation - DS3 Cross-Connects		14 16		20.89	15 20
	H.1.13	Physical Collocation - 2-Wire POT Bay		0 08			
	H.1.14	Physical Collocation - 4-Wire POT Bay		0.17			
	H.1.15	Physical Collocation - DS1 POT Bay		1 20			
	H 1 16	Physical Collocation - DS3 POT Bay		10.67			
	H 1 17	Physical Collocation - Security Escort - Basic, per Half Hour				16.93	10.73
	H.1.18	Physical Collocation - Security Escort - Overtime, per Half Hour				22 05	13.86
	H 1 19	Physical Collocation - Security Escort - Premium, per Half Hour				27 17	16.98
	H 1.23	Physical Collocation - Welded Wire Cage - First 100 Sq Ft		156 33			
	H 1.24	Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft		15 34			
	H.1.31	Physical Collocation - 2-Fiber Cross-Connect		2 81		20.89	15.20
	H.1.32	Physical Collocation - 4-Fiber Cross-Connect		4.99		25.55	19.86
	H.1.33	Physical Collocation - 2-Fiber POT Bay		36 40			
	H 1.34	Physical Collocation - 4-Fiber POT Bay		49 09			
	H 1 37	Physical Collocation - Security Access System - Security System per Central Office		45 70			
	H 1 38	Physical Collocation - Security Access System - New Access Card Activation, per Card		0.05	27.79		
	H 1.39	Physical Collocation - Security Access System - Administrative Change, existing Access Card, per Card			7.79		
	H 1 40	Physical Collocation - Security Access System - Replace Lost or Stolen Card, per Card			22.78		
	H.1.41	Physical Collocation - Space Preparation - C.O. Modification per square ft.		1.96			
	H 1 42	Physical Collocation - Space Preparation - Common Systems Modification per square ft - Cageless		2.62			
	H 1.43	Physical Collocation - Space Preparation - Common Systems Modification per Cage		88.86			
	H.1.45	Physical Collocation - Space Preparation - Firm Order Processing			600 71		
	H.1.46	Physical Collocation - Application Cost - Subsequent			1,566 60		
	H.1 47	Physical Collocation - Space Availability Report per C.O.			1,075.17		
	H 1 50	Physical Collocation - 120V, Single Phase Standby Power Cost		4 91			
	H 1.51	Physical Collocation - 240V, Single Phase Standby Power Cost		9.84			
	H.1.52	Physical Collocation - 120V, Three Phase Standby Power Cost		14 74			
	H 1 53	Physical Collocation - 277V, Three Phase Standby Power Cost		34.06			
	H 1 54	Physical Collocation - Security Access - Initial Key, per Key			13.10		
	H 1 55	Physical Collocation - Security Access - Key, Replace Lost or Stolen Key, per Key			13.10		
H.2	VIRTUAL COLLOCATION						
	H 2 1	Virtual Collocation - Application Cost			1,205.26		
	H 2.2	Virtual Collocation - Cable Installation Cost per Cable			859.71		
	H.2.3	Virtual Collocation - Floor Space per Sq. Ft.		3 22			
	H 2 4	Virtual Collocation - Power, per Fused Amp		7.83			
	H 2 5	Virtual Collocation - Cable Support Structure, per Entrance Cable		14 97			
	H.2.6	Virtual Collocation - 2-Wire Cross Connects		0.03		12 30	11.80
	H.2 7	Virtual Collocation - 4-Wire Cross Connects		0.05		12.39	11 87

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	H.2 8	Virtual Collocation - DS1 Cross Connects		1.11		22.03	15.93
	H 2.9	Virtual Collocation - DS3 Cross Connects		14 16		20 89	15 20
	H 2 10	Virtual Collocation - Security Escort - Basic, Per Half Hour				16.93	10 73
	H 2 11	Virtual Collocation - Security Escort - Overtime, Per Half Hour				22.05	13 86
	H 2 12	Virtual Collocation - Security Escort - Premium, Per Half Hour				27.17	16 98
	H 2.16	Virtual Collocation - 2-Fiber Cross Connect		2.84		20.89	15.20
	H.2.17	Virtual Collocation - 4-Fiber Cross Connect		5.69		25.55	19.86
	H 2 20	Virtual Collocation - Maintenance in the CO - Basic, per Half Hour				27.93	10 73
	H.2.21	Virtual Collocation - Maintenance In the CO - Overtime, per Half Hour				36.47	13 86
	H 2 22	Virtual Collocation - Maintenance in the CO - Premium, per Half Hour				45.02	16.98
H.3	ASSEMBLY POINT						
	H.3.1	Assembly Point - 2-Wire Cross Connects		0.72		12 30	11 80
	H.3 2	Assembly Point - 4-Wire Cross Connects		1 44		12 39	11.87
	H 3.3	Assembly Point - DS1 Cross Connects		9 91		22 03	15 93
H.4	ADJACENT COLLOCATION						
	H 4 1	Adjacent Collocation - Space Cost per Sq Ft.		0.14			
	H 4 2	Adjacent Collocation - Electrical Facility Cost per Linear Ft.		5 41			
	H 4.3	Adjacent Collocation - 2-Wire Cross-Connects		0.02		12.30	11.80
	H.4 4	Adjacent Collocation - 4-Wire Cross-Connects		0 04		12.39	11 87
	H.4 5	Adjacent Collocation - DS1 Cross-Connects		1 03		22.03	15.93
	H.4.6	Adjacent Collocation - DS3 Cross-Connects		13 95		20.89	15.20
	H.4 7	Adjacent Collocation - 2-Fiber Cross-Connect		2 36		20.89	15.20
	H 4 8	Adjacent Collocation - 4-Fiber Cross-Connect		4.52		25 55	19 86
	H 4 9	Adjacent Collocation - Application Cost			1,576.69		
	H 4.16	Adjacent Collocation - 120V, Single Phase Standby Power Cost per AC Breaker Amp		4 91			
	H 4.17	Adjacent Collocation - 240V, Single Phase Standby Power Cost per AC Breaker Amp		9 84			
	H 4.18	Adjacent Collocation - 120V, Three Phase Standby Power Cost per AC Breaker Amp		14 74			
	H.4.19	Adjacent Collocation - 277V, Three Phase Standby Power Cost per AC Breaker Amp		34 06			
H.6	PHYSICAL COLLOCATION IN THE REMOTE TERMINAL (RT)						
	H.6.1	Physical Collocation in the RT - Application Fee			307 70		
	H 6 2	Physical collocation in the Remote Terminal (RT) per Bay/ Rack		201.42			
	H 6 3	Physical Collocation in the RT - Security Access - Key			13.10		
	H 6 4	Physical Collocation in the RT - Space Availability Report per Premises Requested			115.87		
	H 6.5	Physical Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested			37.56		
H 7	COLLOCATION CABLE RECORDS						
	H 7 1	Collocation Cable Records - per request *				759.29	488.11
	H 7.2	Collocation Cable Records - VG/DS0 Cable, per cable record *				326 92	326 92
	H.7 3	Collocation Cable Records - VG/DS0 Cable, per each 100 pair *				4 81	4.81
	H.7 4	Collocation Cable Records - DS1, per T1TIE *				2.25	2.25
	H 7.5	Collocation Cable Records - DS3, per T3TIE *				7.88	7.88
	H.7.6	Collocation Cable Records - Fiber Cable, per cable record *				84.49	84.49
H.8	Virtual Collocation In the Remote Terminal (RT)						
	H 8 1	Virtual Collocation In the Remote Terminal (RT) - Application Fee			307.70		
	H 8 2	Virtual Collocation In the Remote Terminal (RT) - Per Bay/Rack Of Space		201.42			
	H.8 3	Virtual Collocation In the Remote Terminal (RT) - Space availability Report Per Premises Requested			115.87		

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	H 8 4	Virtual Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested			37.56		
I.0	INTERIM SERVICE PROVIDER NUMBER PORTABILITY						
I.1	INTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF						
	I 1 1	Service Provider Number Portability - RCF, Per Number Ported		2.39	0 26		
	I 1.2	Service Provider Number Portability - RCF, Per Additional Path		0.93			
I.2	SERVICE PROVIDER NUMBER PORTABILITY - DID						
	I 2 1	Service Provider Number Portability - DID, Per Number Ported, Residence			0.43		
	I.2.2	Service Provider Number Portability - DID, Per Number Ported, Business			0.43		
	I.2.4	Service Provider Number Portability - DID, Per Trunk Termination, Initial		60 09	190.64		
	I 2 5	Service Provider Number Portability - DID, Per Trunk Termination, Subsequent		60.09	70.84		
I.4	SERVICE PROVIDER NUMBER PORTABILITY RIPH						
	I.4 1	Service Provider Number Portability - RIPH, Functionality, Per Central office			82.04		
	I 4 2	Service Provider Number Portability - RIPH, Functionality, Per Rearrangement			19 81		
	I.4.3	Service Provider Number Portability - RI-PH, Per Number Ported		1.52	0.20		
J.0	OTHER						
J.1	DARK FIBER						
	J 1.2	Dark Fiber, Per Four Fiber Strands, Per Route Mile or Fraction Thereof - Local Channel/Loop		60 32		639.09	137.87
	J 1 3	Dark Fiber, Per Four Fiber Strands, Per Route Mile or Fraction Thereof - Interoffice		22.34		639 09	137.87
J.3	LOOP MAKE-UP						
	J.3.1	Mechanized Loop Make-up		0 59			
	J 3 3	Manual Loop Make-up w/o Facility Reservation Number			20 00		
	J 3 4	Manual Loop Make-up w/ Facility Reservation Number			21 00		
J.4	LINE SHARING SPLITTER IN THE CENTRAL OFFICE						
	J 4 1	Line Sharing Splitter - per Splitter System 96-Line Capacity in the Central Office		155 97	188.79		
	J 4.2	Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office		38.99	188.79		
	J 4 3	Line Sharing Splitter - per Line Activation in the Central Office		0 61		18.51	10.60
	J.4.4	Line Sharing Splitter per Subsequent Activity per Line Arrangement				16 39	8.19
	J 4.6	Line Sharing - per CLEC/DLEC Owned Splitter in the Central Office - per LSOD			57 62		
	J.4.7	Line Sharing - per CLEC/DLEC Owned Splitter in the Central Office - per occurrence of each group of 24 lines (48 pairs)			28 85		
J.5	ACCESS TO THE DCS						
	J 5 1	Customer Reconfiguration Establishment				1.48	
	J 5.2	DS1 DCS Termination with DS0 Switching		29.46		25.55	19.66
	J.5.3	DS1 DCS Termination with DS1 Switching		9 94		18 47	12.58
	J 5 4	DS3 DCS Termination with DS1 Switching		105.16		25 55	19 66
K.0	ADVANCED INTELLIGENT NETWORK (AIN) SERVICES						
K.1	BELLSOUTH AIN SMS ACCESS SERVICE						
	K.1 1	AIN SMS Access Service - Service Establishment, Per State, Initial Setup			39.44		
	K.1 2	AIN SMS Access Service - Port Connection - Dial/Shared Access			7 83		
	K.1 3	AIN SMS Access Service - Port Connection - ISDN Access			7.83		

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	K 1 4	AIN SMS Access Service - User Identification Codes - Per User ID Code			35.00		
	K 1.5	AIN SMS Access Service - Security Card, Per User ID Code, Initial or Replacement			41 88		
	K.1.6	AIN SMS Access Service - Storage, Per Unit (100 Kilobytes)		0 002188			
	K.1 7	AIN SMS Access Service - Session, Per Minute		0.59			
	K.1.8	AIN SMS Access Service - Company Performed Session, Per Minute		0 73			
K.2	BELLSOUTH AIN TOOLKIT SERVICE						
	K 2 1	AIN Toolkit Service - Service Establishment Charge, Per State, Initial Setup			39 44		
	K.2.2	AIN Toolkit Service - Training Session, Per Customer			4,202.17		
	K.2 3	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, Term Attempt			7 83		
	K 2.4	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, Off-Hook Delay			7 83		
	K 2.5	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, Off-Hook Immediate			7 83		
	K.2 6	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, 10-Digit PODP			34 47		
	K.2 7	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, CDP			34 47		
	K.2 8	AIN Toolkit Service - Trigger Access Charge, Per Trigger, Per DN, Feature Code			34 47		
	K 2.9	AIN Toolkit Service - Query Charge, Per Query		0.05			
	K 2.10	AIN Toolkit Service - Type 1 Node Charge, Per AIN Toolkit Subscription, Per Node, Per Query		0.005820			
	K 2 11	AIN Toolkit Service - SCP Storage Charge, Per SMS Access Account, Per 100 Kilobytes		0 05			
	K.2.12	AIN Toolkit Service - Monthly report - Per AIN Toolkit Service Subscription		10 17	7 83		
	K 2 13	AIN Toolkit Service - Special Study - Per AIN Toolkit Service Subscription		2.87	8.66		
	K 2 14	AIN Toolkit Service - Call Event Report - Per AIN Toolkit Service Subscription		7 39	7 83		
	K.2 15	AIN Toolkit Service - Call Event Special Study - Per AIN Toolkit Service Subscription		0 10	8 66		
L.0	ACCESS DAILY USAGE FILE (ADUF)						
L.1	ACCESS DAILY USAGE FILE (ADUF)						
	L.1 1	ADUF, Message Processing, per message		0.001851			
	L.1.3	ADUF, Data Transmission (CONNECT:DIRECT), per message		0 000113			
M.0	DAILY USAGE FILES						
M.1	ENHANCED OPTIONAL DAILY USAGE FILE						
	M.1.1	Enhanced Optional Daily usage File Message Processing, Per Message		0.222067			
M.2	OPTIONAL DAILY USAGE FILE						
	M.2.1	Optional Daily Usage File: Recording, per Message		0.000011			
	M 2.2	Optional Daily Usage File Message Processing, Per Message		0 002499			
	M 2 3	Optional Daily Usage File Message Processing, Per Magnetic Tape Provisioned		35 76			
	M 2.4	Optional Daily Usage File· Data Transmission (CONNECT·DIRECT), Per Message		0.000094			
N.0	NONRECURRING COSTS						
N.1	SERVICE ORDER						
	N 1.1	Electronic Service Order, per local service request - UNE Only					
		F 1 61 OSS Electronic Interface, per local service request - Development & Implementation			1 08		
		F 1 62 OSS Electronic Interface, per local service request - Ongoing Process			1.73		
		F 1 61 OSS Electronic Interface, per local service request - Development & Implementation			0.53		
		N 1 1 Electronic Service Order, per local service request - UNE Only			2.50		
		Electronic Service Order, per local service request - UNE Only			5 83		

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
	N 1 7	Electronic Service Order, per local service request -resale only					
		F 1.61 OSS Electronic Interface, per local service request - Development & Implementation			1.08		
		F.1.62 OSS Electronic Interface, per local service request - Ongoing Process			1.73		
		F.1.61 OSS Electronic Interface, per local service request - Development & Implementation			0.53		
		N 1.7 Electronic Service Order, Per LSR - Resale Only			0.62		
		Electronic Service Order, per local service request -resale only			3 95		
	N.1.2	Manual Service Order, per local service request - UNE Only					
	N 1 5	Order Coordination			15 66		
	N 1 6	Order Coordination for Specified Conversion Time			8.15		
	N.1.8	Manual Service Order, per local service request - resale only			18.09		
					18.82		
P.0	UNBUNDLED LOOP COMBINATIONS						
P.1	2-WIRE VOICE GRADE LOOP WITH 2-WIRE LINE PORT (RES, BUS, COIN, CENTREX, PBX)						
	P 1 RESBU	2-Wire VG Loop/Port Combo (Res, Bus, Coin)					
		P.1 1 2-Wire Voice Grade Loop					
		P.1.2 Exchange Port - 2-Wire Line Port (Includes access to vertical features)		11 55			
				2.24			
			1	13 79			
				20 04			
				2 24			
			2	22.27			
				33 65			
				2.24			
			3	35 89			
		P.1.3 2-Wire Voice Grade Loop / Line Port Combination - Nonrecurring Costs - Switch-as-is				0 10	0.10
	P 1.PBX	2-Wire VG Loop/Port Combo (PBX)					
		P 1.1 2-Wire Voice Grade Loop					
		P.1 2 Exchange Port - 2-Wire Line Port (Includes access to vertical features)		11.55			
				2 24			
			1	13 79			
				20.04			
				2 24			
			2	22.27			
				33.65			
				2 24			
			3	35 89			
		P 1.13 2-Wire Voice Grade Loop/ Line Port Combination (PBX) Nonrecurring costs - switch-as-is				7.91	1.90
	P 1 CENTR	2-Wire VG Loop/Port Combo (Centrex)					
		P 1 1 2-Wire Voice Grade Loop					
		P.1 2 Exchange Port - 2-Wire Line Port (Includes access to vertical features)		11.55			
				2 24			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
			1	13.79			
				20.04			
				2.24			
			2	22 27			
				33.65			
				2 24			
			3	35.89			
		P.1.11 Centrex Common Block - Nonrecurring Costs - Switch-as-is					
		P 1 3 2-Wire Voice Grade Loop / Line Port Combination - Nonrecurring Costs - Switch-as-is				37.75	16 58
						0 10	0.10
						37.85	16.68
	P 1 17	PBX Subsequent Activity - Change/Rearrange Multiline Hunt Group			7.32		
P.3		**2-WIRE VOICE GRADE LOOP WITH 2-WIRE DID TRUNK PORT**					
	P 3	2-Wire VG Loop/2-Wire DID Trunk Port					
		A 1.2 2-Wire Analog Voice Grade Loop - Service Level 2					
		P 3.2 Exchange Ports - 2-Wire DID Port (Includes access to vertical features)		14 38			
				9 11			
			1	23.49			
				22.85			
				9 11			
			2	31.97			
				36 14			
				9.11			
			3	45.26			
		P 3.3 2-Wire Voice Grade Loop / 2-Wire DID Trunk Port Combination - Nonrecurring Costs - Switch-as-is					
						7.31	1.87
	P 3 7	2-Wire DID Subsequent Activity - Add Trunks, Per Trunk			26 78		
P.4		**2-WIRE ISDN DIGITAL GRADE LOOP WITH 2-WIRE ISDN DIGITAL LINE SIDE PORT**					
	P.4	2W ISDN Digital Grade Loop/2W ISDN Digital Line Side Port					
		P.4.1 2-Wire ISDN Digital Grade Loop					
		P.4 2 Exchange Port - 2-Wire ISDN Line Side Port (Includes access to vertical features)		19.03			
				9.33			
			1	28 36			
				29 62			
				9.33			
			2	38 95			
				45.60			
				9 33			
			3	54.93			
		P.4 3 2-Wire ISDN Digital Grade Loop / 2-Wire ISDN Line Side Port Combination - Nonrecurring Costs - Switch-as-is				38 51	27.02

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
P.5	4-WIRE DS1 DIGITAL LOOP WITH 4-WIRE ISDN DS1 DIGITAL TRUNK PORT						
	P 5	4W DS1 Digital Loop/4W ISDN DS1 Digital Trunk Port					
		A.9.1 4-Wire DS1 Digital Loop					
		B.1.6 Exchange Ports - 4-Wire ISDN DS1 Port (Includes access to vertical features)		82.55			
				85 41			
			1	167 96			
				154 18			
				85 41			
			2	239.59			
				314.52			
				85.41			
			3	399 94			
		P.5.3 4-Wire DS1 Digital Loop / 4-Wire ISDN DS1 Digital Trunk Port Combination - Nonrecurring Costs - Switch-as-is					
						119 07	78 56
	P 5 5	4-Wire DS1 Digital Loop / 4-Wire ISDN DS1 Digital Trunk Port Combination - Subsequent Channel Activation - Per Channel			14.53		
	P.5 6	4-Wire DS1 Digital Loop / 4-Wire ISDN DS1 Digital Trunk Port Combination - Subsequent Inward/2-Way Telephone Numbers			0.49		
	P 5 7	4-Wire DS1 Digital Loop / 4-Wire ISDN DS1 Digital Trunk Port Combination - Subsequent Outward Telephone Numbers			11 51		
	P.5 8	4-Wire DS1 Digital Loop / 4-Wire ISDN DS1 Digital Trunk Port Combination - Subsequent Inward Telephone Numbers			23 02		
P.6	EXTENDED 2-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT						
	P.6-1	First 2W VG in DS1					
		A.1 2 2-Wire Analog Voice Grade Loop - Service Level 2		14.38			
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60 16			
		A.18 1 Channelization - Channel System DS1 to DS0		107.19			
		A.18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		0.56			
			1	182 28			
				22 85			
				60.16			
				107 19			
				0 56			
			2	190.76			
				36.14			
				60 16			
				107.19			
				0.56			
			3	204 05			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is					
						5.59	5.59
	P.6-2	Per Mile					
		D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile					
				0.18			
	P 6-3	Additional 2W VG in same DS1					

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
		A 1.2 2-Wire Analog Voice Grade Loop - Service Level 2					
		A.18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		14.38			
				0.56			
			1	14 94			
				22.85			
				0.56			
			2	23 41			
				36.14			
				0 56			
			3	36 70			
P.7	EXTENDED 4-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT						
	P.7-1	First 4W VG in DS1					
		A 4 1 4-Wire Analog Voice Grade Loop					
		D.4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		25.34			
		A.18.1 Channelization - Channel System DS1 to DS0		60.16			
		A.18 4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		107 19			
				0 56			
			1	193.24			
				38 58			
				60.16			
				107.19			
				0.56			
			2	206 48			
				60.02			
				60.16			
				107.19			
				0 56			
			3	227.92			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5.59
	P.7-2	Per Mile					
		D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile					
				0.18			
	P.7-3	Additional 4W VG in same DS1					
		A 4 1 4-Wire Analog Voice Grade Loop					
		A 18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		25 34			
				0 56			
			1	25.90			
				38.58			
				0.56			
			2	39.14			
				60 02			
				0.56			
			3	60.58			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
P.8	EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT						
	P 8-1	First 4W 56 / 64 in DS1					
		A 10 1 4-Wire 19, 56 or 64 Kbps Digital Grade Loop					
		D.4 2 Interoffice Transport - Dedicated - DS1 - Facility Termination		26.09			
		A 18 1 Channelization - Channel System DS1 to DS0		60.16			
		A.18 2 Interface Unit - Interface DS1 to DS0 - OCU-DP Card		107.19			
				1.19			
			1	194.62			
				35.95			
				60.16			
				107.19			
				1.19			
			2	204.49			
				37 88			
				60 16			
				107 19			
				1.19			
			3	208 42			
		P 17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P 8-2	Per Mile					
		D.4 1 Interoffice Transport - Dedicated - DS1 - Per Mile					
				0 18			
	P.8-3	Additional 4W 56 / 64 in same DS1					
		A.10 1 4-Wire 19, 56 or 64 Kbps Digital Grade Loop					
		A 18.2 Interface Unit - Interface DS1 to DS0 - OCU-DP Card		26 09			
				1.19			
			1	27.28			
				35.95			
				1.19			
			2	37.14			
				37 88			
				1.19			
			3	39.07			
P.11	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT						
	P.11-1	Fixed					
		A 9.1 4-Wire DS1 Digital Loop					
		D 4 2 Interoffice Transport - Dedicated - DS1 - Facility Termination		82 55			
				60 16			
			1	142 71			
				154 18			
				60 16			
			2	214.33			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
				314.52			
				60.16			
			3	374 68			
		P.17 1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P.11-2	Per Mile					
		D 4.1 Interoffice Transport - Dedicated - DS1 - Per Mile		0.18			
P.13		EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT					
	P 13-1	First DS1 in DS3					
		A 9 1 4-Wire DS1 Digital Loop		82 55			
		D 6 2 Interoffice Transport - Dedicated - DS3 - Facility Termination		703 52			
		A.18.5 Channelization - Channel System DS3 to DS1		176.20			
		A.18 6 Interface Unit - Interface DS3 to DS1		13 47			
			1	975 73			
				154 18			
				703 52			
				176.20			
				13 47			
			2	1,047 36			
				314.52			
				703.52			
				176.20			
				13 47			
			3	1,207.71			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5.59
	P.13-2	Per Mile					
		D 6 1 Interoffice Transport - Dedicated - DS3 - Per Mile		4 09			
	P 13-3	Additional DS1 in same DS3					
		A.9.1 4-Wire DS1 Digital Loop		82 55			
		A.18 6 Interface Unit - Interface DS3 to DS1		13.47			
			1	96 02			
				154 18			
				13.47			
			2	167 64			
				314 52			
				13.47			
			3	327 99			
P.15		4-WIRE DS1 DIGITAL LOOP WITH DDITS PORT					
	P 15	4-Wire DS1 Digital Loop with DDITS Port					

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
		A 9.1 4-Wire DS1 Digital Loop		82.55			
		B 1.4 Exchange Ports - DDITS Port (Includes access to vertical features)		61.18			
			1	143.72			
				154.18			
				61.18			
			2	215.35			
				314 52			
				61.18			
			3	375.70			
		P.15.3 4-wire DS1 Digital Loop / DDITS Trunk Port Combination - Nonrecurring Costs - Switch-as-Is					
						129 49	67.02
	P.15 5	4-Wire DS1 Digital Loop / DDITS Trunk Port Combination -Subsequent Channel Activation - Per Channel			14 48		
P.16		**2-WIRE LOOP/ 2 WIRE VOICE GRADE IO TRANSPORT/ 2 WIRE PORT**					
	P.16-1	Fixed					
		A 1 2 2-Wire Analog Voice Grade Loop - Service Level 2					
		D 2.2 Interoffice Transport - Dedicated - 2- Wire Voice Grade - Facility Termination		14 38			
		B.1 1 Exchange Ports - 2-Wire Analog Line Port (Res , Bus , Centrex, Coin)(Includes access to vertical features)		21.13			
				2.47			
			1	37.98			
				22 85			
				21.13			
				2.47			
			2	46 46			
				36 14			
				21 13			
				2 47			
			3	59 75			
		P.16.3 2W VG Loop / 2W VG IO Transport / 2W Port Combination - Nonrecurring Costs - Switch-as-Is					
						8 48	1.87
	P 16-2	Per Mile					
		D 2 1 Interoffice Transport - Dedicated - 2-Wire Voice Grade - Per Mile		0 008838			
P.17		**Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination**					
	P 17 1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is					
						5 59	5.59
P.23		**EXTENDED 2-WIRE VOICE GRADE LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT**					
	P 23-1	Fixed					
		A 1.2 2-Wire Analog Voice Grade Loop - Service Level 2					
		D 2 2 Interoffice Transport - Dedicated - 2- Wire Voice Grade - Facility Termination		14.38			
				21.13			
			1	35.51			
				22.85			
				21 13			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
			2	43 98			
				36.14			
				21 13			
			3	57.27			
		P 17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5.59
	P 23-2	Per Mile					
		D.2.1 Interoffice Transport - Dedicated - 2-Wire Voice Grade - Per Mile		0 008838			
P.24	EXTENDED 4-WIRE VOICE GRADE LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT						
	P 24-1	Fixed					
		A 4 1 4-Wire Analog Voice Grade Loop					
		D 12.2 Interoffice Transport - Dedicated - 4-Wire Voice Grade - Facility Termination		25 34			
				18 73			
			1	44 07			
				38 58			
				18.73			
			2	57.31			
				60 02			
				18.73			
			3	78 75			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P.24-2	Per Mile					
		D.12 1 Interoffice Transport - Dedicated - 4-Wire Voice Grade - Per Mile		0 008838			
P.25	EXTENDED DS3 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT						
	P.25-1	Fixed					
		A 16 1 High Capacity Unbundled Local Loop - DS3 - Facility Termination		327 71			
		D.6 2 Interoffice Transport - Dedicated - DS3 - Facility Termination		703 52			
				1,031 22			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P.25-2	Per Mile - Interoffice					
		D.6.1 Interoffice Transport - Dedicated - DS3 - Per Mile		4.09			
	P 25-3	Per Mile - DS3 Loop					
		A.16 2 High Capacity Unbundled Local Loop - DS3 - Per Mile		8.89			
P.26	EXTENDED STS1 DIGITAL LOOP WITH DEDICATED STS1 INTEROFFICE TRANSPORT						
	P 26-1	Fixed					
		A 16.15 High Capacity Unbundled Local Loop - STS-1 - Facility Termination		339.21			
		D.10.2 Interoffice Transport - Dedicated - STS-1 - Facility Termination		701.37			
				1,040 59			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
		P 17 1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5 59
	P 26-2	Per Mile - Interoffice					
		D 10.1 Interoffice Transport - Dedicated - STS-1 - Per Mile		4.09			
	P.26-3	Per Mile - Loop					
		A.16.16 High Capacity Unbundled Local Loop - STS-1 - Per Mile		8.89			
P.50	4-WIRE DS1 LOOP WITH CHANNELIZATION WITH PORT						
	P 50 VG-1	First Voice Grade in DS1					
		A.9.1 4-Wire DS1 Digital Loop					
		B.1.1 Exchange Ports - 2-Wire Analog Line Port (Res , Bus., Centrex, Coin)(Includes access to vertical features)		82.55			
		Q 1.1 D4 Channel Bank Inside CO - System		2 47			
		Q 1.4 Unbundled Loop Concentration - POTS Card		101 40			
				0 56			
			1	186 98			
				154.18			
				2 47			
				101 40			
				0 56			
			2	258 61			
				314 52			
				2.47			
				101 40			
				0 56			
			3	418 96			
		P.50.1 4-Wire DS1 Loop/Channelization Port Combination - Nonrecurring Costs - Switch-as-is					
						150 48	8.36
	P.50.VG-2	Additional Voice Grade in same DS1					
		B 1.1 Exchange Ports - 2-Wire Analog Line Port (Res., Bus , Centrex, Coin)(Includes access to vertical features)		2 47			
		Q.1.4 Unbundled Loop Concentration - POTS Card		0.56			
				3.03			
	P.50 DID-1	First 2-Wire DID in DS1					
		A.9.1 4-Wire DS1 Digital Loop					
		B.1 3 Exchange Ports - 2-Wire DID Port (Includes access to vertical features)		82.55			
		Q 1 1 D4 Channel Bank Inside CO - System		9.14			
		Q 1.4 Unbundled Loop Concentration - POTS Card		101.40			
				0 56			
			1	193.65			
				154.18			
				9.14			
				101 40			
				0 56			
			2	265 28			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
				314 52			
				9.14			
				101.40			
				0.56			
			3	425.63			
		P.50 1 4-Wire DS1 Loop/Channelization Port Combination - Nonrecurring Costs - Switch-as-is					
						150.48	8 36
	P.50 DID-2	Additional 2-Wire DID in same DS1					
		B.1.3 Exchange Ports - 2-Wire DID Port (Includes access to vertical features)		9 14			
		Q 1 4 Unbundled Loop Concentration - POTS Card		0 56			
				9 70			
	P.50.ISDN-	First ISDN in DS1					
		A.9 1 4-Wire DS1 Digital Loop		82.55			
		B.1 5 Exchange Ports - 2-Wire ISDN Port (Includes access to vertical features)		10 88			
		Q 1.1 D4 Channel Bank Inside CO - System		101 40			
		Q.1 3 Unbundled Loop Concentration - ISDN (Brite Card)		2 56			
			1	197 39			
				154.18			
				10.88			
				101.40			
				2.56			
			2	269 01			
				314.52			
				10 88			
				101.40			
				2 56			
			3	429 36			
		P.50 1 4-Wire DS1 Loop/Channelization Port Combination - Nonrecurring Costs - Switch-as-Is					
						150.48	8.36
	P.50 ISDN-	Additional ISDN in same DS1					
		B.1.5 Exchange Ports - 2-Wire ISDN Port (Includes access to vertical features)		10.88			
		Q 1 3 Unbundled Loop Concentration - ISDN (Brite Card)		2.56			
				13.44			
	P.50.4	4-Wire DS1 Loop/Channelization Port Combination - Subsequent Activity - Add Lines - Per Line			54 55		
	P 50.5	4-Wire DS1 Loop/Channelization Port Combination - Subsequent Activity - Add Trunks - Per Trunk			77.03		
P.51		**EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT**					
	P.51-1	First 2-Wire ISDN in DS1					
		A 5 1 2-Wire ISDN Digital Grade Loop		21.88			
		D.4 2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18.1 Channelization - Channel System DS1 to DS0		107.19			
		A.18 3 Interface Unit - Interface DS1 to DS0 - BRITE Card		2 56			
			1	191 78			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
				32 85			
				60.16			
				107.19			
				2.56			
			2	202 75			
				48.55			
				60.16			
				107 19			
				2 56			
			3	218 45			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5.59
	P 51-2	Per Mile					
		D 4 1 Interoffice Transport - Dedicated - DS1 - Per Mile		0 18			
	P.51-3	Additional 2-wire IDSN in same DS1					
		A 5 1 2-Wire ISDN Digital Grade Loop		21.88			
		A.18.3 Interface Unit - Interface DS1 to DS0 - BRITE Card		2 56			
			1	24.43			
				32 85			
				2 56			
			2	35 41			
				48 55			
				2.56			
			3	51 11			
P.52	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT						
	P 52-1	First in DS1 in STS1					
		A.9.1 4-Wire DS1 Digital Loop		82 55			
		D.10 2 Interoffice Transport - Dedicated - STS-1 - Facility Termination		701.37			
		A 18.5 Channelization - Channel System DS3 to DS1		176.20			
		A.18 6 Interface Unit - Interface DS3 to DS1		13 47			
			1	973 59			
				154.18			
				701.37			
				176.20			
				13 47			
			2	1,045.21			
				314.52			
				701 37			
				176.20			
				13 47			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
			3	1,205 56			
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5 59
	P 52-2	Per Mile					
		D 10 1 Interoffice Transport - Dedicated - STS-1 - Per Mile		4 09			
	P 52-3	Additional DS1 in same STS1					
		A 9 1 4-Wire DS1 Digital Loop		82.55			
		A 18.6 Interface Unit - Interface DS3 to DS1		13.47			
			1	96 02			
				154.18			
				13 47			
			2	167.64			
				314 52			
				13.47			
			3	327.99			
P.53	EXTENDED 2-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX						
	P 53-1	First 2-Wire VG in First DS1 in DS3					
		A.1 2 2-Wire Analog Voice Grade Loop - Service Level 2		14 38			
		D.4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18 5 Channelization - Channel System DS3 to DS1		176 20			
		A.18.6 Interface Unit - Interface DS3 to DS1		13.47			
		A.18 1 Channelization - Channel System DS1 to DS0		107.19			
		A.18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		0 56			
			1	371 95			
				22.85			
				60 16			
				176.20			
				13 47			
				107 19			
				0 56			
			2	380.42			
				36.14			
				60.16			
				176 20			
				13 47			
				107.19			
				0.56			
			3	393.71			
		P 17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P 53-2	Per Mile per DS1					

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
		D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile		0 18			
	P 53-3	Additional 2-Wire VG in same DS1					
		A 1 2 2-Wire Analog Voice Grade Loop - Service Level 2					
		A 18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		14 38			
				0 56			
			1	14.94			
				22 85			
				0.56			
			2	23 41			
				36 14			
				0.56			
			3	36.70			
	P 53-4	Additional DS1 in same DS3					
		D.4 2 Interoffice Transport - Dedicated - DS1 - Facility Termination					
		A 18 1 Channelization - Channel System DS1 to DS0		60.16			
		A.18 6 Interface Unit - Interface DS3 to DS1		107.19			
				13 47			
				180.81			
P.54		EXTENDED 4-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
	P 54-1	First 4-Wire VG in First DS1 in DS3					
		A 4 1 4-Wire Analog Voice Grade Loop					
		D.4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		25 34			
		A 18 5 Channelization - Channel System DS3 to DS1		60 16			
		A.18 6 Interface Unit - Interface DS3 to DS1		176.20			
		A.18 1 Channelization - Channel System DS1 to DS0		13.47			
		A.18 4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		107 19			
				0 56			
			1	382.90			
				38.58			
				60.16			
				176 20			
				13 47			
				107 19			
				0.56			
			2	396.15			
				60 02			
				60.16			
				176.20			
				13.47			
				107.19			
				0.56			
			3	417 59			
		P.17 1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is					
						5 59	5 59

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
	P 54-2	Per Mile per DS1				First	Additional
		D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile		0 18			
	P 54-3	Additional 4-Wire VG in same DS1					
		A 4 1 4-Wire Analog Voice Grade Loop		25 34			
		A 18.4 Interface Unit - Interface DS1 to DS0 - Voice Grade Card		0.56			
			1	25 90			
				38 58			
				0.56			
			2	39.14			
				60.02			
				0 56			
			3	60.58			
	P 54-4	Additional DS1 in same DS3					
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18 1 Channelization - Channel System DS1 to DS0		107.19			
		A.18 6 Interface Unit - Interface DS3 to DS1		13.47			
				180.81			
P.55		EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
	P 55-1	First 4-Wire in First DS1 in DS3					
		A.10 1 4-Wire 19, 56 or 64 Kbps Digital Grade Loop		26 09			
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18 5 Channelization - Channel System DS3 to DS1		176 20			
		A 18.6 Interface Unit - Interface DS3 to DS1		13 47			
		A 18 1 Channelization - Channel System DS1 to DS0		107 19			
		A.18 2 Interface Unit - Interface DS1 to DS0 - OCU-DP Card		1.19			
			1	384.29			
				35.95			
				60 16			
				176 20			
				13 47			
				107 19			
				1.19			
			2	394.15			
				37.88			
				60.16			
				176.20			
				13 47			
				107.19			
				1 19			
			3	396 08			
		P 17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5 59

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring	
						First	Additional
	P 55-2	Per Mile per DS1					
		D 4 1 Interoffice Transport - Dedicated - DS1 - Per Mile					
				0.18			
	P.55-3	Additional 4-Wire in same DS1					
		A.10 1 4-Wire 19, 56 or 64 Kbps Digital Grade Loop					
		A.18.2 Interface Unit - Interface DS1 to DS0 - OCU-DP Card		26 09			
				1.19			
			1	27 28			
				35.95			
				1 19			
			2	37.14			
				37 88			
				1 19			
			3	39.07			
	P 55-4	Additional DS1 in same DS3					
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60 16			
		A.18 1 Channelization - Channel System DS1 to DS0		107.19			
		A 18.6 Interface Unit - Interface DS3 to DS1		13.47			
				180 81			
P.56	EXTENDED LOOP 2-WIRE ISDN WITH DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX						
	P.56-1	First 2-Wire in First DS1 in DS3					
		A.5.1 2-Wire ISDN Digital Grade Loop		21.88			
		D 4 2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60 16			
		A 18.5 Channelization - Channel System DS3 to DS1		176.20			
		A.18 6 Interface Unit - Interface DS3 to DS1		13.47			
		A.18.1 Channelization - Channel System DS1 to DS0		107 19			
		A.18 3 Interface Unit - Interface DS1 to DS0 - BRITE Card		2.56			
			1	381.44			
				32 85			
				60.16			
				176 20			
				13.47			
				107.19			
				2 56			
			2	392 42			
				48.55			
				60.16			
				176 20			
				13 47			
				107.19			
				2 56			
			3	408.12			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
		P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5 59
	P 56-2	Per Mile per DS1					
		D 4 1 Interoffice Transport - Dedicated - DS1 - Per Mile		0 18			
	P 56-3	Additional 2-Wire in same DS1					
		A.5 1 2-Wire ISDN Digital Grade Loop		21.88			
		A 18 3 Interface Unit - Interface DS1 to DS0 - BRITE Card		2.56			
			1	24 43			
				32 85			
				2 56			
			2	35.41			
				48 55			
				2 56			
			3	51.11			
	P 56-4	Additional DS1 in same DS3					
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18.1 Channelization - Channel System DS1 to DS0		107 19			
		A.18 6 Interface Unit - Interface DS3 to DS1		13 47			
				180.81			
P.57	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX						
	P.57-1	First 4-Wire DS1 in DS3					
		A 9 1 4-Wire DS1 Digital Loop		82.55			
		D 4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60.16			
		A.18 5 Channelization - Channel System DS3 to DS1		176 20			
		A 18 6 Interface Unit - Interface DS3 to DS1		13 47			
			1	332.37			
				154.18			
				60 16			
				176.20			
				13.47			
			2	404.00			
				314.52			
				60.16			
				176.20			
				13 47			
			3	564.35			
		P.17 1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5.59	5.59
	P 57-2	Per Mile per DS1					
		D.4 1 Interoffice Transport - Dedicated - DS1 - Per Mile		0.18			

Cost Ref. No.		Description	Zone	Recurring	INSTALLATION		
					Non Recurring	Nonrecurring First	Nonrecurring Additional
	P.57-3	Additional 4-Wire DS1 in same DS3					
		A.9 1 4-Wire DS1 Digital Loop		82 55			
		A.18 6 Interface Unit - Interface DS3 to DS1		13 47			
		D.4.2 Interoffice Transport - Dedicated - DS1 - Facility Termination		60 16			
			1	156 17			
				154 18			
				13.47			
				60.16			
			2	227 80			
				314.52			
				13.47			
				60.16			
			3	388.15			
P.58	EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DS0 INTEROFFICE TRANSPORT						
	P.58-1	Fixed					
		A 10 1 4-Wire 19, 56 or 64 Kbps Digital Grade Loop		26.09			
		D.3 2 Interoffice Transport - Dedicated - DS0 - Facility Termination		15 12			
			1	41 21			
				35 95			
				15.12			
			2	51 07			
				37 88			
				15.12			
			3	53.00			
		P 17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is				5 59	5.59
	P.58-2	Per Mile					
		D.3.1 Interoffice Transport - Dedicated - DS0 - Per Mile		0 008838			
Q1.1	D4 CHANNEL BANK INSIDE CO -SYSTEM			101 40			
Q1.3	UNBUNDLED LOOP CONCENTRATION - ISDN (Brite Card)			2 56			
Q1.4	UNBUNDLED LOOP CONCENTRATION - POTS Card			0.56			

BONA FIDE REQUEST PROCESS

1.0 Bona Fide Requests are to be used when a CLEC requests a change to any Services and Elements, including any new features, capabilities or functionalities.

1.1 A Bona Fide Request shall be submitted in writing by a CLEC and shall specifically identify the required service date, technical requirements, space requirements and/or such specifications that clearly define the request such that BellSouth has sufficient information to analyze and prepare a response. Such a request also shall include a CLEC's designation of the request as being (i) pursuant to the Telecommunications Act of 1996 or (ii) pursuant to the needs of the business.

1.2 Although not expected to do so, a CLEC may cancel, without penalty, a Bona Fide Request in writing within three business days of the request. BellSouth will then cease analysis of the request.

1.3 Within two (2) business days of its receipt, BellSouth shall acknowledge in writing, the receipt of the Bona Fide Request and identify a single point of contact and any additional information needed to process the request.

1.4 Except under extraordinary circumstances, within thirty (30) days of its receipt of a Bona Fide Request, BellSouth shall provide to a CLEC a preliminary analysis of the Bona Fide Request. The preliminary analysis will include BellSouth's proposed price (plus or minus 25 percent) and state whether BellSouth can meet a CLEC's requirements, the requested availability date, or, if BellSouth cannot meet such date, provide an alternative proposed date together with a detailed explanation as to why BellSouth is not able to meet a CLEC's requested availability date. BellSouth also shall indicate in this analysis its agreement or disagreement with a CLEC's designation of the request as being pursuant to the Act or pursuant to the needs of the business. In no event shall any such disagreement delay BellSouth's processing of the request. If BellSouth determines that it is not able to provide a CLEC with a preliminary analysis with thirty (30) days of BellSouth's receipt of a Bona Fide Need request, BellSouth will inform a CLEC as soon as practicable. A CLEC and BellSouth will then determine a mutually agreeable date for receipt of the preliminary analysis.

1.5 As soon as possible, but in not event more than ninety (90) days after receipt of the request, BellSouth shall provide a CLEC with a firm Bona Fide Request quote which will include, at a minimum, the firm availability

date, the applicable rates and the installation intervals, and a binding price quote.

1.6 Unless a CLEC agrees otherwise, all proposed prices shall be in accordance with the pricing principles of the Act, and any applicable FCC and Commission rules and regulations.

1.7 Within thirty (30) days after receiving the firm Bona Fide Request quote from BellSouth, a CLEC will notify BellSouth in writing of its acceptance or rejection of BellSouth's proposal.

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SERVICE DESCRIPTION: UNBUNDLED NETWORK ELEMENTS

1.0 Introduction

This Attachment sets forth the descriptions and requirements for unbundled network elements that BellSouth agrees to offer pursuant to the Generally Available Terms and Conditions.

2.0 Unbundled Loops, Integrated Digital Loop Carriers, Network Interfaces Device, Unbundled Loop Concentration (ULC) System, Sub loops

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

2.1 Unbundled Loops

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

2.1.1.1 The local loop Network Element ("Loop") 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.

2.1.1.2 The provisioning of a Loop to the 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 separate components, that are not considered a part of the Loop, and thus, have a separate charge.

2.1.1.3 To the extent available within BellSouth's network at a particular location, BellSouth will offer Loops capable of supporting telecommunications services. If a requested loop type is not available, and cannot be made available through BellSouth's Unbundled Loop Modification process, then the CLEC can use the Special Construction process to request that BellSouth place facilities in order respond to the request for Special Construction. The Loop intervals shall not apply to such a request.

2.1.1.4 Where facilities are available, BellSouth will install Loops in compliance with BellSouth's Products and Services Interval Guide available at the website at http://www.interconnection.bellsouth.com. For orders of 14 or more Loops, the installation and any applicable Order Coordination as described below will be handled on a project basis, and the intervals will

be set by the BellSouth project manager for that order. When Loops require a Service Inquiry (SI) prior to issuing the Order to determine if facilities are available, the interval for the SI process is separate from the installation interval.

2.1.1.5 If the CLEC 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 No. 1 Tariff, Section 5. If the CLEC modifies an order after being sent a Firm Order Confirmation (FOC) from BellSouth, any costs incurred by BellSouth to accommodate the modification will be paid by the CLEC.

2.1.1.6 The Loop shall be provided to the CLEC in accordance with BellSouth's TR73600 Unbundled Local Loop Technical Specification and applicable industry standard technical references.

2.1.1.7 The CLEC may utilize the unbundled Loops to provide any telecommunications service it wishes, so long as such services are consistent with industry standards and BellSouth's TR73600.

2.1.1.8 BellSouth will only provision, maintain and repair the Loops to the standards that are consistent with the type of Loop ordered. In those cases where the CLEC 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 Loop will be maintained as an unbundled copper Loop (UCL), and the CLEC shall pay the recurring and non-recurring charges for a UCL. For non-service specific loops (e.g. UCL, Loops modified by the CLEC using the Unbundled Loop Modification (ULM) process), BellSouth will only support that the Loop has copper continuity and balanced tip-and-ring.

2.1.1.9 The CLEC will be responsible for testing and isolating troubles on the Loops. Once the CLEC has isolated a trouble to the BellSouth provided Loop, and had issued a trouble report 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 end users.

2.2.2 Order Coordination and Order Coordination-Time Specific

2.2.2.1 "Order Coordination" (OC) allows BellSouth and the CLEC to coordinate the installation of the SL2 Loops, Unbundled Digital Loops (UDL) and other Loops where OC may be purchased as an option, to the CLEC's facilities to limit end user service outrage. OC is available when the Loop is provisioned over an existing circuit that is currently providing service to the end user. OC for physical conversions will be scheduled at

BellSouth's discretion during normal working hours on the committed due date. OC shall be provided in accordance with the chart set forth below.

2.2.2.2 "Order Coordination – Time Specific" (OC-TS) allows the CLEC to order a specific time for OC to take place. BellSouth will make every effort to accommodate the CLEC's specific conversion time request. However, BellSouth reserves the right to negotiate with the CLEC a conversion time based on load and appointment control when necessary. This OC-TS is a chargeable option for all Loops except Unbundled Copper Loops (UCL) and Universal Digital Channel (UDC), and is billed in addition to the OC charge. The CLEC may specify a time between 9:00 a.m. and 4:00 p.m. (location time) Monday through Friday (excluding holidays). If the CLEC 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 based on the amount of overtime worked and in accordance with the rates established in the E Access Tariff, Section E13.2, for each state. The OC-TS charges for an order due on the same day at the same location will be applied on a per Local Service Request (LSR) basis.

	Order Coordination (OC)	**Order Coordination – Time Specific (OC-TS)**	**Test Points**	**DLR**	**Charge for Dispatch and Testing if No Trouble Found**
SL-1	Chargeable Option	Chargeable Option	Not available	Chargeable Option – ordered as Engineering Information Document	Charged for Dispatch inside and outside Central Office
UCL-ND	Chargeable Option	Not Available	Not Available	Chargeable Option – ordered as Engineering Information Document	Charged for Dispatch inside and outside Central Office
SL-2	Included	Chargeable Option	Included	Included	Charged for Dispatch outside Central Office
Unbundled Digital Loop	Included	Chargeable Option (except on Universal Digital Channel)	Included (where appropriate)	Included	Charged for Dispatch outside Central Office

	Order Coordination (OC)	Order Coordination – Time Specific (OC-TS)	Test Points	DLR	Charge for Dispatch and Testing if No Trouble Found
Unbundled Copper Loop	Chargeable in accordance with Section 2	Not available	Included	Included	Charged for Dispatch outside Central Office
For UVL-SL1 and UCLs, the CLEC must order and will be billed for both OC and OC-TS if requesting OC-TS.					

2.2.2.3 Cancellation Charges. If the CLEC cancels an order for network elements or other services, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with FCC No. 1 Tariff, Section 5.

2.2.2.4 Expedite Charges. For expedited requests by the CLEC, expedited charges will apply for intervals less than the standard interval as outlined in the BellSouth Product and Services Interval Guide. The charges as outlined in BellSouth's FCC No. 1 Tariff, Section 5, will apply.

2.2.2.5 If the CLEC modifies an order (Order Modification Charge (OMC)) after being sent a Firm Order Confirmation (FOC) from BellSouth, any costs incurred by BellSouth to accommodate the modification will be paid by the CLEC in accordance with FCC No. 1 Tariff, Section 5.

2.3 Unbundled Voice Loops (UVLs)

2.3.1 BellSouth shall make available the following UVLs:

2.3.1.1 2-wire Analog Voice Grade Loop – SL1

2.3.1.2 2-wire Analog Voice Grade Loop – SL2

2.3.1.3 4-wire Analog Voice Grade Loop

2.3.2 Unbundled Voice Loops (UVL) may be provisioned using any type of facility that will support voice grade services. This may include loaded copper, non-loaded copper, digital loop carrier systems, fiber or a combination of any of these facilities. BellSouth, in the normal course of maintaining, repairing, and configuring its network, may also change the facilities that are used to provide any given voice grade circuit. This change may occur at any time. In these situations, BellSouth will only ensure that the newly provided facility will support voice grade services. BellSouth will not guarantee that the CLEC will be able to continue to provide any advanced services over the new facility. BellSouth will offer

UVL in two different service levels - Service Level One (SL1) and Service Level Two (SL2).

2.3.3 **Unbundled Voice Loop - SL1** (UVL-SL1) loops are 2-wire loop start circuits, will be non-designed, and will not have remote access test points. OC will be offered as a chargeable option on SLI loops when reuse of existing facilities has been requested by the CLEC. The CLEC may also order OC-TS when a specified conversion time is requested. OC-TS is a chargeable option for any coordinated order and is billed in addition to the OC charge. An Engineering Information (EI) document can be ordered as chargeable option. The EI document provides loop make up information which is similar to the information normally provided in a Design Layout Record. Upon issuance of a non-coordinated 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.

2.3.4 **Unbundled Voice Loop – SL2** (UVL-SL2) loops may be 2-wire or 4-wire circuits, shall have remote access test points, and will be designed with a design layout record provided to the CLEC. SL2 circuits can be provisioned with loop start, ground start or reverse battery signaling. OC is provided as a standard feature on SL2 loops. The OC feature will allow the CLEC 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.

2.4 Unbundled Digital Loops

2.4.1 BellSouth will also offer Unbundled Digital Loops (UDL). UDLs are service specific, will be designed, will be provisioned with test points (where appropriate), and will come standard with OC and a Design Layout Record (DLR). The various UDLs are intended to support a specific digital transmission scheme or service.

2.4.2 BellSouth shall make available the following UDLs:

2.4.2.1 2-wire Unbundled ISDN Digital Loop

2.4.2.2 2-wire Universal Digital Channel (IDSL Compatible)

2.4.2.3 2-wire Unbundled ADSL Compatible Loop

2.4.2.4 2-wire Unbundled HDSL Compatible Loop

2.4.2.5 4-wire Unbundled HDSL Compatible Loop

2.4.2.6 4-wire Unbundled DS1 Digital Loop

2.4.2.7 4-wire Unbundled Digital Loop/DS0 - 56 kbps, 64 kbps

2.4.2.8 DS3 Loop

2.4.2.9 STS-1 Loop

2.4.2.10 OC3 Loop

2.4.2.11 OC12 Loop

2.4.2.12 OC48 Loop

2.4.3 **2-Wire Unbundled ISDN-Compatible Loop.** This loop will be provisioned according to industry standards for 2-Wire Basic Rate ISDN services and will come standard with a test point, Order Coordination, and a DLR. The CLEC 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.

2.4.3.1 **2 Wire Universal Digital Channel** (UDC)/IDSL compatible loop. Due to technical limitations associated with certain Digital Loop Carrier (DLC) systems, some ISDN-compatible loops that are provisioned using DLC systems may not support IDSL (Integrated Digital Subscriber Line) service. BellSouth will not reconfigure its ISDN-capable loop to support IDSL service.

2.4.3.2 The IDSL-compatible loop (also known as Universal Digital Channel (UDC)) is intended to be compatible with IDSL service and has the same physical characteristics and transmission specifications as BellSouth's ISDN-capable loop. These specifications are listed in BellSouth's TR73600.

2.4.3.3 The IDSL-compatible loop may be provisioned on copper or through a Digital Loop Carrier (DLC) system. When IDSL-capable Loops are provisioned using a DLC system, the Loops will be provisioned on time slots that are compatible with data-only services such as IDSL.

2.4.4 2 or 4 Wire Unbundled HDSL-Compatible Loop. This is a designed loop that is provisioned according to Carrier Serving Area (CSA) criteria and may be up to 12,000 feet long and may have up to 2,500 feet of bridged tap (inclusive of loop length). It may be a 2-wire or 4-wire circuit and will come standard with a test point, Order Coordination, and a DLR.

2.4.5 2 Wire Unbundled ADSL-Compatible Loop. This is a designed loop that is provisioned according to Revised Resistance Design (RRD) criteria and may be up to 18kft long and may have up to 6kft of bridged tap (inclusive

of loop length). This 2-wire circuit comes standard with a test point, Order Coordination, and a DLR

2.4.6 4 Wire Unbundled DS1 Digital Loop. This is a designed 4-wire loop that is provisioned according to industry standards for DS1 or Primary Rate ISDN services and will come standard with a test point, Order Coordination, and a DLR.

2.4.7 4 Wire Unbundled Digital Loop/DS0. These are designed 4-wire loops that may be configured as 64kbps, 56kbps, 19kbps, and other sub-rate speeds associated with digital data services and will come standard with a test point, Order Coordination, and a DLR.

2.4.8 High Capacity Loops BellSouth also offers high capacity loops including DS3, STS-1, OC3, OC12 and OC48. These are designed loops that are provisioned according to industry standards and come standard with test point, Order Coordination and a DLR.

2.5 Unbundled Copper Loops (UCL)

2.6 BellSouth shall make available Unbundled Copper Loops (UCLs). The UCL is a copper twisted pair Loop that is unencumbered by any intervening equipment (e.g., filters, load coils, range extenders, digital loop carrier, or repeaters) and is not intended to support any particular telecommunications service. The UCL will be offered in two types – Short and Long.

2.6.1 BellSouth will make available the following UCL-Ds:

2.6.1.1 2-Wire UCL-D/short

2.6.1.2 2-Wire UCL-D/long

2.6.1.3 4-Wire UCL-D/short

2.6.1.4 4-Wire UCL-D/long

2.6.2 Unbundled Copper Loop – Designed (UCL-D)

2.6.2.1 The UCL-D will be provisioned as a dry 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-D will be offered in two versions - Short and Long. A short UCL (18,000 feet or less) is provisioned according to Resistance Design parameters, may have up to 6,000 feet of bridged tap and will have up to 1300 ohms of resistance.

2.6.2.2 The long UCL-D (beyond 18,000 feet) is provisioned as a dry copper twisted pair longer than 18,000 feet and may have up to 12,000 feet of bridged tap and up to 2800 ohms of resistance.

2.6.2.3 The UCL-D is a designed circuit, is provisioned with a test point and comes standard with a DLR. OC is required on UCLs where a reuse of existing facilities has been requested by the CLEC.

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

2.6.3.1 The UCL-ND will be provisioned as a dedicated 2-wire metallic transmission facility from BellSouth's Main Distribution Frame to a customer's premises (including the NID). The UCL-ND will be a "dry copper" facility in that it will not have any intervening equipment such as load coils, repeaters, or digital access main lines ("DAMLs"), and may have up to 6,000 feet of bridged tap between the end user's premises and the serving wire center. The UCL-ND typically will be 1300 Ohms resistance and in most cases will not exceed 18,000 feet in length, although the UCL-ND will not have a specific length limitation. For loops less than 18,000 feet and with less than 1300 Ohms resistance, the loop will provide a voice grade transmission channel suitable for loop start signaling and the transport of analog voice grade signals. The UCL-ND will not be designed and will not be provisioned with either a design layout record or a test point.

2.6.3.2 The UCL-ND facilities may be mechanically assigned using BellSouth's assignment systems. Therefore, the Loop Make Up process is not required to order and provision the UCL-ND. However, the CLEC can request Loop Make Up for which additional charges would apply.

2.6.3.3 At an additional charge, BellSouth also will make available Loop Testing so that the CLEC may request further testing on the UCL-ND

2.6.3.4 UCL-ND loops are not intended to support any particular service and may be utilized by the CLEC to provide a wide-range of telecommunications services so long as those services do not adversely affect BST's network. The UCL-ND will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the loop to the customer's inside wire.

2.6.3.5 Order Coordination (OC) will be provided as a chargeable option and may be utilized when the UCL-ND provisioning is associated with the reuse of BST facilities. Order Coordination -Time Specific (OC-TS) does not apply to this product.

2.6.3.6 The CLEC may use BST's Unbundled Loop Modification (ULM) offering to remove bridge tap and/or load coils from any loop within the BST network. Therefore, some loops that would not qualify as UCL-ND could be transformed into loops that do qualify, using the ULM process.

2.7 Loop Testing/Trouble Reporting

2.7.1 The CLEC will be responsible for testing and isolating troubles on the loops. Once the CLEC has isolated a trouble to the BellSouth provided loop, the CLEC 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.

2.7.2 If the CLEC reports a trouble on a non-designed loop (e.g., UVL-SL1, UCL-ND, etc.) and no trouble actually exists, BellSouth will charge the CLEC for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the loop's working status.

2.7.3 The CLEC must test and isolate trouble to the BellSouth portion of a designed unbundled loop (e.g., UVL-SL2, UCL-D, etc.) before reporting repair to the UNE Center. At the time of the trouble report, the CLEC will be required to provide the results of the CLEC test which indicate a problem on the BellSouth provided loop. If the CLEC reports a trouble on a designed loop and no trouble actually exists, BellSouth will charge the CLEC for any dispatching and testing, (outside the CO) required by BellSouth in order to confirm the loop's working status.

2.7.4 Services provided over unbundled loops by the CLEC will be consistent with industry standards and BellSouth's TR73600 for the loop type ordered. The CLEC 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 the CLEC 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 the CLEC using the Special Construction process), BellSouth will only support that the loop has copper continuity and balanced tip-and-ring.

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

2.8.1 BellSouth shall condition Loops, as requested by the CLEC, whether BellSouth offers advanced services to the End User on that Loop.

2.8.2 In some instances, the CLEC will require access to a copper twisted pair loop unfettered by any intervening equipment (e.g., filters, load coils, range extenders, etc.), so that the CLEC can use the loop for a variety of services by attaching appropriate terminal equipment at the ends. The CLEC will determine the type of service that will be provided over the loop. BellSouth's Unbundled Loop Modifications (ULM) process will be used to determine the costs and feasibility of conditioning the loops as requested. Rates for ULM are as set forth in Exhibit C of this Attachment 2.

2.8.3 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.

2.8.4 In those cases where the CLEC 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.

2.8.5 The Unbundled Loop Modifications (ULM) offering provides the following elements: 1) removal of devices on 2-wire or 4-wire Loops equal to or less than 18,000 feet; 2) removal of devices on 2-wire or 4-wire Loops longer than 18,000 feet; and 3) removal of bridged-taps on loops of any length.

2.8.6 The CLEC shall request Loop make up information at rates contained in Attachment A prior to submitting a service inquiry and/or a LSR for the Loop type that the CLEC desires BellSouth to condition.

2.8.7 BellSouth shall recover the cost of line conditioning requested by the CLEC through the rates contained in Attachment A.

2.9 Loop Provisioning Involving Integrated Digital Loop Carriers

2.9.1 Where the CLEC has requested an Unbundled Loop and BellSouth uses Integrated Digital Loop Carrier (IDLC) systems to provide the local service to the end user and BellSouth has a suitable alternate facility available, BellSouth will make such alternative facilities available to the CLEC. If a suitable alternative facility is not available, then to the extent it is technically feasible, BellSouth will make alternative arrangements available to the CLEC (e.g. hairpining).

2.9.2 BellSouth will select one of the following arrangements:

1. Roll the circuit(s) from the IDLC to any spare copper that exists to the customer premises.
2. Roll the circuit(s) from the IDLC to an existing DLC that is not integrated.

3. If capacity exists, provide "side-door" porting through the switch.
4. If capacity exists, provide "DACS-door" porting (if the IDLC routes through a DACS prior to integration into the switch).

2.9.3 Arrangements 3 and 4 above require the use of a designed circuit. Therefore, non-designed loops such as the SL1 voice grade and UCL-ND may not be ordered in these cases.

2.9.4 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. The CLEC will then have the option of paying the one-time SC rates to place the loop.

2.10 Network Interface Device (NID)

2.10.1 Definition

2.10.1.1 The NID is defined as any means of interconnection of end-user customer premises wiring to BellSouth's distribution plant, such as a cross-connect device used for that purpose. The NID is a single-line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit at the premises. The NID features two independent chambers or divisions that separate the service provider's network from the end user's customer-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.

2.10.1.2 BellSouth shall permit the CLEC to connect the CLEC's loop facilities the end-user's customer-premises wiring through the BellSouth NID or at any other technically feasible point.

2.10.2 Access to NID

2.10.2.1 The CLEC may access the end user's customer-premises wiring by any of the following means:

2.10.2.1.1 1) BellSouth shall allow the CLEC 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 premises. The CLEC shall not disturb the existing form of electrical protection and shall maintain the physical integrity of the NID;

2.10.2.1.2 2) Where an adequate length of the end user's customer premises wiring is present and environmental conditions permit, either Party may remove

the customer premises wiring from the other Party's NID and connect such wiring to that Party's own NID;

2.10.2.1.3 3) Enter the subscriber access chamber or dual chamber NID enclosures for the purpose of extending a connect divisioned or spliced jumper wire from the customer premises wiring through a suitable "punch-out" hole of such NID enclosures; or

2.10.2.1.4 4) Request BellSouth to make other rearrangements to the end user customer premises wiring terminations or terminal enclosure on a time and materials cost basis.

2.10.2.2 In no case shall either Party remove or disconnect the other Party's loop facilities from either Party's NIDs, enclosures, or protectors unless the applicable Commission has expressly permitted the same and the disconnecting Party provides prior notice to the other Party. In such cases, it shall be the responsibility of the Party disconnecting loop facilities to leave undisturbed the existing form of electrical protection and to maintain the physical integrity of the NID. 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. Furthermore, 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 no spare station protector exists in the NID, the disconnected loop must be appropriately cleared, capped and stored.

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

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

2.10.3 Technical Requirements

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

2.10.3.2 If an existing NID is accessed, it shall be capable of transferring electrical analog or digital signals between the end user's customer premises and the Distribution Media and/or cross connect to the CLEC's NID.

2.10.3.3 Existing BellSouth NIDs will be provided in "as is" condition. The CLEC may request BellSouth do additional work to the NID on a time and material basis. When the CLEC deploys its own local loops with respect

to multiple-line termination devices, the CLEC shall specify the quantity of NIDs connections that it requires within such device.

2.11 Sub-loop Elements

2.11.1 Where facilities permit, BellSouth shall offer access to its Unbundled Sub Loop (USL) and Unbundled Sub-loop Concentration (USLC).System.

2.11.2 Unbundled Sub-Loop Distribution

2.11.2.1 The unbundled sub-loop distribution facility is dedicated transmission facility that BellSouth provides from an end user'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. BellSouth will make the following available sub-loop distribution offerings where facilities permit:

Unbundled Sub-Loop Distribution – Voice Grade
Unbundled Copper Sub-Loop
Unbundled Sub-Loop Distribution – Intrabuilding Network Cable (aka riser cable)

2.11.2.2 **Unbundled Sub-Loop Distribution – Voice Grade** (USLD-VG) 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 and may have load coils. USLD-VG facilities were originally built as part of the entire voice grade loop from the BellSouth central office to the customer network interface. Therefore, the USLD-VG may have load coils, which are necessary for transmission of voice grade services.

2.11.2.3 **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. If available, this facility will not have any intervening equipment such as load coils between the end-user and the cross-box.

2.11.2.4 If the CLEC requests a UCSL and it is not available, the CLEC may request the Sub-Loop facility be modified pursuant to the ULM process request to remove load coils and/or bridged taps. If load coils and/or bridged taps are removed, the facility will be classified as a UCSL.

2.11.2.5 **Unbundled Sub-Loop Distribution – Intrabuilding Network Cable** (USLD-INC) is the distribution facility inside a building or between buildings on the same continuous property and is not separated by a public street or road. USLD-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. BellSouth will install a cross connect panel in the building equipment room for the purpose of accessing USLD-INC pairs. The cross-connect panel will function as a single point of interconnection (SPOI) for USLD-INC and will be accessible by multiple carriers as space permits. BellSouth will place cross-connect blocks in 25-pair increments for the CLEC's use on this cross-connect panel. The CLEC will be responsible for connecting its facilities to the 25-pair cross-connect block(s).

2.11.2.6 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, the CLEC shall deliver a cable to the BellSouth cross-box pursuant to the terms and conditions for physical collocation for remote sites set forth in this Agreement. This cable would be connected by a BellSouth technician within the BellSouth cross-box during the set-up process. The CLEC's cable pairs can then be connected to BellSouth's USL within the BellSouth cross-box by the BellSouth technician.

2.11.2.7 Through the Service Inquiry (SI) process, BellSouth will determine whether access to Unbundled Sub-Loops at the location requested by the CLEC is technically feasible and whether sufficient capacity exists in the cross-box. If existing capacity is sufficient to meet the CLEC's request, then BellSouth will perform the set-up as described in the section that follows. 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 the section that follows) to accommodate the CLEC's request for Unbundled Sub-Loops, the CLEC may request BellSouth's Special Construction (SC) process to determine additional costs required to provision the Unbundled Sub-Loops. The CLEC will have the option to proceed under the SC process to modify the BellSouth facilities.

2.11.2.8 Set-up must be completed before the CLEC can order sub-loop pairs. For the site set-up in a BellSouth cross-connect box in the field, BellSouth will perform the necessary work to splice the CLEC's cable into the cross-connect box. For the site 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.

2.11.2.9 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). Order Coordination is required with USL pair provisioning when the CLEC requests reuse of an existing facility and is in addition to the USL pair rate. For expedite requests by the CLEC for sub-loop pairs, expedite charges will apply for intervals less than 5 days.

2.11.2.10 Unbundled Sub-Loops will be provided in accordance with technical reference TR73600.

2.11.3 Unbundled Network Terminating Wire (UNTW)

2.11.3.1 Service Description

2.11.3.1.1 Unbundled Network Terminating Wire (UNTW) is unshielded twisted copper wiring that is used to extend circuits from an intra-building network cable terminal or from a building entrance terminal to an individual customer's point of demarcation. It is the final portion of the Loop, which, in multi-subscriber configurations, represents the point at which, the network branches out to serve individual subscribers.

2.11.3.2 Basic Service Features

2.11.3.2.1 This element will be provided in Multi-Dwelling Units (MDUs) and/or Multi-Tenants Units (MTUs) where BellSouth owns wiring all the way to the end-users premises. BellSouth will not provide this element in those locations where the property owner provides its own wiring to the end-user's premises, where a third party owns the wiring to the end-user's premises or where the property owner will not allow BellSouth to place its facilities to the end user.

2.11.3.3 Requirements

2.11.3.3.1 On a multi-unit premises, upon request of the other Party ("Requesting Party"), the Party owning the network terminating wire 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.

2.11.3.4 The Provisioning Party shall not be required to install new or additional NTW beyond existing NTW to provision the services of the Requesting Party.

2.11.3.5 Upon receipt of the UNTW Service Inquiry (SI) requesting access to the Provisioning Party's UNTW pairs at 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 installation and location of the Access Terminals. 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. 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. A pair is available when a pair is not being utilized to provide service or where the end user has requested a change in its local service provider to the Requesting Party. 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.

2.11.3.6 Access Terminal installation intervals will be established on an individual case basis.

2.11.3.7 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. If the property owner objects to Access Terminal installations that are in progress or subsequent to completion and demands removal of Access Terminals, Requesting Party will be responsible for costs associated with removing Access Terminals and restoring property to its original state prior to Access Terminals being installed.

2.11.3.8 The Requesting Party shall indemnify and hold harmless the Provisioning Party against any claims of any kind that may arise out of the Requesting Party's future to obtain the property owner's permission. 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). The Requesting Party will notify the Provisioning Party each time it activates UNTW pairs using the LSR form.

2.11.3.9 Requesting Party will isolate and report troubles in the manner specified by the Provisioning Party. 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).

2.11.3.10 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.

2.11.3.11 If Provisioning Party determines that Requesting Party is using the UNTW pairs without reporting the activation of the pairs, the following charges shall apply:

2.11.3.12 If Requesting Party issued a LSR to disconnect an end-user from Provisioning Party in order to use a UNTW pair, Requesting Party will be billed for the use of the pair back to the disconnect order date.

2.11.3.13 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.

2.11.4 Unbundled Sub-Loop Feeder

2.11.4.1 Definition

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

2.11.4.2 USLF utilized for voice traffic can be configured as 2-wire voice (USLF-2W/V) or 4-wire voice (USLF-4W/V).

2.11.4.3 USLF utilized for digital traffic can be configured as 2-wire ISDN (USLF-2W/I); 2-wire Copper (USLF-2W/C); 4-wire Copper (USLF-4W/C); 4-wire DS0 level loop (USLF-4W/D0); or 4-wire DS1 and ISDN (USLF-4W/DI).

2.11.4.4 USLF will provide access to both the equipment and the features in the BellSouth central office and BellSouth cross box necessary to provide 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 CLEC's loop distribution elements onto BellSouth's feeder system.

2.11.5 Requirements

2.11.5.1 The CLEC will extend a compatible cable to BellSouth's cross-box. BellSouth will connect the cable 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 the CLEC. The CLEC will then have the option of paying the special construction charges or canceling the order.

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

2.11.5.3 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.

2.11.6 Unbundled Loop Concentration (ULC)

2.11.6.1 BellSouth will provide to the CLEC 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.

2.11.6.2 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 will connect to the CLEC at the CLEC's collocation site. System B will allow up to 192 BellSouth loops to be concentrated onto multiple DS1s. System A may be upgraded to a System B. A minimum of two DS1s is required for each system (i.e., System A requires two DS1s and System B would require an additional two DS1s or four in total). All DS1 interfaces will terminate to the CLEC's collocation space. ULC service is offered with concentration (2 DS1s for 96 channels) or without concentration (4 DS1s for 96 channels) and with or without protection. A Loop 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.

2.11.7 Unbundled Sub-Loop Concentration (USLC)

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

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

2.11.7.3 In these scenarios the CLEC would be required to place a cross-box, remote terminal (RT), or other similar device and deliver a cable to the BellSouth RT. This cable would be connected, by a BellSouth technician,

to a cross-connect panel within the BellSouth RT/cross-box and would allow the CLEC's sub-loops to then be placed on the ULSC and transported to their collocation space at a DS1 level.

2.11.8 Access to Loop Make-up

2.11.8.1 BellSouth provides electronic access to loop make-up information through the Local Exchange Navigation System (LENS) and the Telecommunications Access Gateway (TAG). TAG is a machine-to-machine interface that provides real-time interactive access to BellSouth's databases. LENS is a human-to-machine interface for use by those CLECs who choose not to use machine-to-machine interfaces. BellSouth also provides manual access to loop make-up information.

2.11.9 Access to the High Frequency Portion of the Loop

2.11.9.1 BellSouth provides CLECs access to the high frequency portion of the loop network element as an unbundled network element where BellSouth is providing, and continues to provide, analog circuit-switched voiceband services on the particular loop for which the CLEC seeks access. The high frequency portion of the loop is defined as the frequency range above the voiceband on a copper loop facility that is being used to carry analog circuit-switched voiceband transmissions. BellSouth may maintain control over the loop and splitter equipment and functions, and will provide CLECs with loop and splitter functionality that is compatible with any transmission technology that the CLEC seeks to deploy using the high frequency portion of the loop, as defined in 47 C.F.R. § 51.319(h), provided that such transmission technology is presumed to be deployable pursuant to 47 C.F.R. § 51.230. BellSouth also offers CLECs the option of purchasing, installing, and maintaining central office POTS splitters in its collocation arrangements. Any splitters installed by the CLECs in its collocation arrangements shall comply with ANSI T1.413, Annex E, or any future ANSI splitter standards. BellSouth shall also permit CLECs to install any splitters in that BellSouth deploys or permits to be deployed for itself or any BellSouth Affiliate. BellSouth will also provide line sharing splitters at its remote sites to allow CLECs access to the high frequency spectrum of copper sub-loops terminated at that remote site, where the CLEC has a collocated DSLAM. BellSouth will condition loops to enable CLECs to access the high frequency portion of the loop spectrum in accordance with 47 C.F.R. § 51.319(a)(3) and § 51.319(h).

3.0 Switching

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

3.1 Local Switching

3.1.1 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 3.1.4.1 to the CLEC for the provision of a telecommunications service. BellSouth shall provide non-discriminatory access to packet switching capability on an unbundled basis to the CLEC for the provision of a telecommunications service only in the limited circumstance described below in Section 3.2.6.

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

3.1.3 Local Circuit Switching Capability, including Tandem Switching Capability

3.1.3.1 Definition

3.1.4 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.

3.1.4.1 Notwithstanding BellSouth's general duty to unbundle local circuit switching, BellSouth shall not be required to unbundle local circuit switching for the CLEC when the CLEC 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.

3.1.4.2 In the event that the CLEC orders local circuit switching for a single end user account name with four (4) or more two (2) wire voice-grade loops within a top 50 MSA, Density Zone 1, BellSouth's sole recourse shall be to charge the CLEC a market based-rate for use of the local circuit switching functionality for the affected facilities.

3.1.4.3 A port includes all features then capable or a number of then capable features specifically requested by the CLEC. Any features that are not currently then capable but are technically feasible through the switch can be requested through the BFR process.

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

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

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

3.1.4.7 Where required to do so in order to comply with an effective Commission order, BellSouth will provide to the CLEC purchasing local BellSouth switching and reselling BellSouth local exchange service under Section XIV of the SGAT, selective routing of calls to a requested directory assistance services platform or operator services platform. The CLEC's customers may use the same dialing arrangements as BellSouth customers, but obtain the CLEC's branded service.

3.1.5 Technical Requirements

3.1.5.1 The requirements set forth in this Section apply to Local Switching, but not to the Data Switching function of Local Switching.

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

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

3.1.5.4 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 the CLEC will be made pursuant to the Bona Fide Request Process as set forth in General Terms and Conditions.

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

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

3.1.5.7 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.

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

3.1.5.9 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.

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

3.1.5.11 Special Services provided by BellSouth will include the following:

3.1.5.11.1 Telephone Service Prioritization;

3.1.5.11.2 Related services for handicapped;

3.1.5.11.3 Soft dial tone where required by law; and

3.1.5.11.4 Any other service required by law.

3.1.5.12 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.

3.1.5.13 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.

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

3.1.5.15 BellSouth shall offer Local Switching that provides feature offerings at parity to those provided by BellSouth to itself or any other Party.

3.1.5.16 BellSouth shall offer to the CLEC all AIN triggers in connection with its SMS/SCE offering which are supported by BellSouth for offering AIN-based services

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

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

3.1.5.19 Local Switching shall be offered in accordance with the technical specifications set forth in the applicable industry standard references.

3.1.6 Interface Requirements BellSouth shall provide the following interfaces to loops:

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

3.1.6.2 Coin phone signaling;

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

3.1.6.4 Two-wire analog interface to PBX;

3.1.6.5 Four-wire analog interface to PBX;

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

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

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

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

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

3.1.7.1 SS7 Signaling Network or Multi-Frequency trunking if requested by the CLEC;

3.1.7.2 Interface to the CLEC operator services systems or Operator Services through appropriate trunk interconnections for the system; and

3.1.7.3 Interface to the CLEC Directory Assistance Services through the CLEC's switched network or to Directory Assistance Services through the appropriate trunk interconnections for the system; and 950 access or other CLEC required access to interexchange carriers as requested through appropriate trunk interfaces.

3.2 Packet Switching Capability

3.2.1 Definition

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

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

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

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

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

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

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

3.2.6.2 There are no spare copper loops capable of supporting the xDSL services the CLEC seeks to offer;

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

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

3.3 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 the CLEC for the provision of a telecommunications service.

3.4 Rates

The prices that the CLEC shall pay to BellSouth for Network Elements and Other Services are set forth in Attachment A to the SGAT.

3.5 Operational Support Systems (OSS)

The rates for access to OSS are as set forth in Attachment A to the SGAT.

4. Unbundled Network Element Combinations

4.1 At the CLEC's request and subject to the terms and conditions set forth herein, BellSouth shall provide access to Currently Combined, and Ordinarily Combined combinations of port and loop unbundled network

elements and loop and transport unbundled network elements, (hereinafter referred to as Enhanced Extended Links or "EELs"). BellSouth shall also provide access to Not Typically Combined combinations. Currently Combined, Ordinarily Combined and Not Typically Combined shall have the meaning set forth below.

4.1.1 Currently Combined network element combinations shall mean that such unbundled network elements are in fact already combined by BellSouth in the BellSouth network to provide telecommunications service to a particular location.

4.1.2 Ordinarily Combined network element combinations shall mean that such unbundled network elements are combined by BellSouth in the BellSouth network in the manner in which they are typically combined even if the particular elements being ordered are not actually physically connected at the time the order is placed.

4.1.3 Not Typically Combined unbundled network element combinations shall mean that such network elements are neither Currently Combined nor Ordinarily Combined as these terms are defined above. In compliance with FCC Rule 51.315(d), requests for combinations of Not Typically Combined unbundled network elements are available through the bona fide request process as set forth in Attachment B. Rates for Not Typically Combined unbundled network element combinations shall be negotiated through the bona fide request process.

4.2 Port/Loop Combinations

4.2.1 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 (SC), NC; Greensboro-Winston Salem-High Point, NC; Nashville, TN; and New Orleans, LA, MSAs to the CLEC if the CLEC's customer has 4 or more DS0 equivalent lines. BellSouth shall make available loop and port combinations, as set forth in Section 4.3 below, except in those locations where BellSouth is not required to provide circuit switching.

4.2.2 Combinations of port and loop unbundled network elements provide local exchange service for the origination or termination of calls.

4.3 Currently Combined and Ordinarily Combined Port/Loop Combination Offerings:

4.3.1 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.

4.3.2 2-wire voice grade Coin 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.

4.3.3 2-wire voice grade DID port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

4.3.4 2-wire CENTREX port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

4.3.5 2-wire ISDN Basic Rate Interface, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

4.3.6 4-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.

4.3.7 4-wire DS1 Trunk port, DS1 Loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

4.3.8 4-wire DS1 Loop with normal serving wire center channelization interface, unbundled port, 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.

4.4 Rates for Port/Loop Combinations

4.4.1 Recurring rates for Currently Combined and Ordinarily Combined port/loop unbundled network element combinations shall be as set forth in Attachment A. Nonrecurring rates for Currently Combined port/loop unbundled network element combinations shall be as set forth in Attachment A. Nonrecurring rates for Ordinarily Combined port/loop

unbundled network element combinations shall be the sum of the nonrecurring rate as set forth in Attachment A for the individual unbundled network elements that make up the combination. To the extent that a CLEC seeks to obtain port/loop combinations of unbundled network elements that are Currently Combined or Ordinarily Combined in BellSouth's network but that are not priced in Attachment A, the CLEC may purchase such unbundled network element combinations at the sum of the stand-alone recurring and nonrecurring prices of the unbundled network elements which make up the combination.

4.5 EEL Combinations

4.5.1 At the CLEC's request, BellSouth shall provide access to Currently Combined and Ordinarily Combined EELs.

4.5.2 BellSouth will not make auditing a precondition to converting special access services provided by BellSouth to unbundled network elements; however, after the special access services have been converted to unbundled network elements, BellSouth may audit CLEC records in order to verify the type of traffic being transmitted over loop/transport unbundled network element combinations. If, based on its audits, BellSouth concludes that a CLEC is not providing a significant amount of local exchange traffic over the facilities; BellSouth may file a complaint with the Commission. CLEC's requirements regarding certification of its provision of a significant amount of local exchange traffic and the definition of a "significant amount of local exchange traffic" shall be as set forth in the FCC's orders regarding same.

4.6 EELs

4.6.1 BellSouth will provide access to EELs to provide connectivity from an end user's location through that end user's SWC to CLEC-1's POP serving wire center. The circuit must be connected to CLEC-1's switch for the purpose of provisioning telephone exchange service to CLEC-1's end-user customers. The EEL will be connected to CLEC-1's facilities in CLEC-1's collocation space at the POP SWC, or CLEC-1 may purchase BellSouth's access facilities between CLEC-1's POP and CLEC-1's collocation space at the POP SWC.

4.7 Currently Combined and Ordinarily Combined EEL Offerings:

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

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

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

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

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

4.7.6 DS1 Interoffice Channel + DS1 Local Loop

4.7.7 DS3 Interoffice Channel + DS3 Local Loop

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

4.7.9 DS3 Interoffice Channel + DS3 Channelization + DS1 Local Loop

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

4.7.11 2-wire VG Interoffice Channel + 2-wire VG Local Loop

4.7.12 4-wire VG Interoffice Channel + 4-wire VG Local Loop

4.7.13 4-wire 56 kbps Interoffice Channel + 4-wire 56 kbps Local Loop

4.7.14 4-wire 64 kbps Interoffice Channel + 4-wire 64 kbps Local Loop

4.8 Rates for EELs

4.8.1 Recurring rates for Currently Combined and Ordinarily Combined EELs shall be as set forth in Attachment A. Nonrecurring rates for Currently Combined EELs shall be as set forth in Attachment A. Nonrecurring rates for Ordinarily Combined EELs shall be the sum of the nonrecurring rate as set forth in Attachment A for the individual elements that make up the EEL. To the extent that a CLEC seeks to obtain EELs that are Currently Combined or Ordinarily Combined in BellSouth's network but that are not priced in Attachment A, the CLEC may purchase such EELs at the sum of the stand-alone recurring and nonrecurring prices of the unbundled network elements which make up the EEL.

4.9 Assembly Points

4.9.1 Assembly Points are offered to provide CLECs the ability to combine unbundled network elements themselves within a BellSouth central office

location, without requiring the CLEC to own or control any telecommunications equipment. The assembly products will be offered for three service types:

- DS0 Assembly Point (immediate deployment)
- DS1 Assembly Point (immediate deployment)
- DS3 Assembly Point (future deployment)

4.9.2 Assembly Points will provide access to 2-wire and 4-wire DS0 unbundled network elements for CLECs to combine two network elements at a cross-connect point (Assembly Point) designated by BellSouth. Subject to technical feasibility on a per location basis, BellSouth will offer access to DS1 and DS3 unbundled network elements at the designated DS1 or DS3 Assembly Point, respectively. BellSouth will supply all equipment required to access the unbundled elements. CLECs must supply any jumpers or patch cords to connect two elements at the Assembly Point and will not be permitted to install any equipment within the Assembly Point location. The CLEC may not install any equipment within the Assembly Point area. The CLEC may utilize portable test equipment for the purposes of testing unbundled network elements, but may not store this portable test equipment in the Assembly Point area.

4.9.3 The CLEC must submit an Application and an application fee for access to an Assembly Point. The CLEC must designate on its Assembly Point Application a forecast for a two-year period, designated by year. BellSouth will size the Assembly Point(s) according to forecast projections and will assign and designate facilities on a per request basis.

5. Operator Systems

5.1 Definition

BellSouth provides access to Operator Systems for operator and automated call handling and billing, special services, customer telephone listings and optional call completion services. The Operator Systems, provides two types of functions: Operator Service functions and Directory Assistance Service functions, each of which are described in detail below.

5.2 Operator Service

5.2.1 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 customer 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.

5.2.2 Requirements

5.2.2.1 When the CLEC requests BellSouth to provide Operator Services, the following requirements apply:

5.2.2.1.1 BellSouth shall complete 0+ and 0- dialed local calls.

5.2.2.1.2 BellSouth shall complete 0+ intraLATA toll calls.

5.2.2.1.3 BellSouth shall complete calls that are billed to a CLEC customer's calling card that can be validated by BellSouth.

5.2.2.1.4 BellSouth shall complete person-to-person calls.

5.2.2.1.5 BellSouth shall complete collect calls.

5.2.2.1.6 BellSouth shall provide the capability for callers to bill to a third party and complete such calls.

5.2.2.1.7 BellSouth shall complete station-to-station calls.

5.2.2.1.8 BellSouth shall process emergency calls.

5.2.2.1.9 BellSouth shall process Busy Line Verify and Emergency Line Interrupt requests.

5.2.2.1.10 BellSouth shall process emergency call trace, as they do for their Customers prior to the Effective Date. Call must originate from a 911 provider.

5.2.2.1.11 BellSouth shall process operator-assisted directory assistance calls.

5.2.2.1.12 BellSouth will provide the ability for a CLEC Customer to reach a "live" operator on a 0-call.

5.2.2.2 BellSouth shall adhere to equal access requirements, providing the CLEC's local customers the same IXC access as provided to BellSouth customers.

5.2.2.3 BellSouth shall exercise at least the same level of fraud control in providing Operator Service to the CLEC that BellSouth provides for its own operator service.

5.2.2.4 BellSouth shall perform Billed Number Screening when handling Collect, Person-to-Person, and Billed-to-Third-Party calls.

5.2.2.5 BellSouth shall direct customer account and other similar inquiries to the customer service center designated by the CLEC.

5.2.2.6 BellSouth shall provide an electronic feed of customer call records in "EMR" format to the CLEC in accordance with the time schedule designated by the CLEC.

5.2.3 Interface Requirements:

With respect to Operator Services for calls that originate on local switching capability provided by or on behalf of the CLEC, 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.

5.3 Directory Assistance Service

5.3.1 Definition

Directory Assistance Service provides local customer telephone number listings with the option to complete the call at the callers direction separate and distinct from local switching.

5.3.2 Requirements

5.3.2.1 Directory Assistance Service shall provide up to two listing requests per call. If available and if requested by the CLEC's customer, BellSouth shall provide caller-optional directory assistance call completion service to one of the provided listings, equal to that which BellSouth provides its customers. If not available, the CLEC may request such requirement pursuant to the Bona Fide Request Process.

5.3.2.2 Directory Assistance Service Updates

5.3.2.2.1 BellSouth shall update customer listings changes daily. These changes include:

5.3.2.2.1.1 New customer connections: BellSouth will provide service to the CLEC that is equal to the service it provides to itself and its customers;

5.3.2.2.1.2 Customer disconnections: BellSouth will provide service to the CLEC that is equal to the service it provides to itself and its customers; and

5.3.2.2.1.3 Customer address changes: BellSouth will provide service to the CLEC that is equal to the service it provides to itself and its customers;

5.3.2.3 These updates shall also be provided for non-listed and non-published numbers for use in emergencies.

6. Common Transport

6.1 Definition

Common Transport is an interoffice transmission path between BellSouth Network Elements (illustrated in Figure 2). Where BellSouth Network Elements are connected by intra-office wiring, such wiring is not provided as a part of the Network Elements. Common Transport consists of BellSouth inter-office transport facilities and is unbundled from local switching.

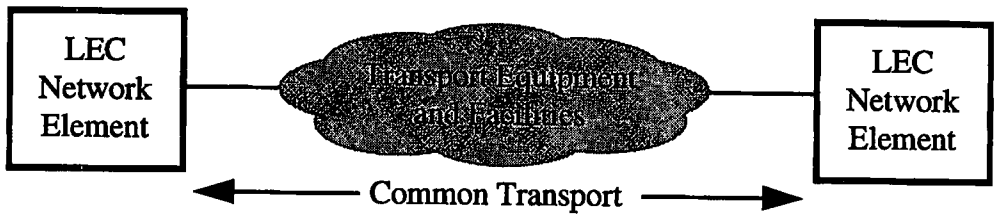

Figure 2

6.2 Technical Requirements

6.2.1 Common 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 technical reference set forth in Section 9.2.4.31 of this Attachment 2.

6.2.2 Common Transport provided on DS3 circuits, STS-1 circuits, and higher transmission bit rate circuits, Common Transport 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 technical reference set forth in Section 9.2.4.30 of this Attachment 2.

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

6.2.4 At a minimum, Common Transport shall meet all of the requirements set forth in the following technical references (as applicable for the transport technology being used):

6.2.4.1 ANSI T1.101-1994, American National Standard for Telecommunications - Synchronization Interface Standard Performance and Availability;

6.2.4.2 ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces;

6.2.4.3 ANSI T1.102.01-199x, American National Standard for Telecommunications - Digital Hierarchy - VT1.5;

6.2.4.4 ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats;

6.2.4.5 ANSI T1.105.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Automatic Protection Switching;

6.2.4.6 ANSI T1.105.02-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Payload Mappings;

6.2.4.7 ANSI T1.105.03-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Jitter at Network Interfaces;

6.2.4.8 ANSI T1.105.03a-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET): Jitter at Network Interfaces - DS1 Supplement;

6.2.4.9 ANSI T1.105.05-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Tandem Connection;

6.2.4.10 ANSI T1.105.06-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Physical Layer Specifications;

6.2.4.11 ANSI T1.105.07-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Sub STS-1 Interface Rates and Formats;

6.2.4.12 ANSI T1.105.09-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Network Element Timing and Synchronization;

6.2.4.13 ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode);

6.2.4.14 ANSI T1.107-1988, American National Standard for Telecommunications - Digital Hierarchy - Formats Specifications;

6.2.4.15 ANSI T1.107a-1990 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications (DS3 Format Applications);

6.2.4.16 ANSI T1.107b-1991 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications;

6.2.4.17 ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach);

6.2.4.18 ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification;

6.2.4.19 ANSI T1.404-1994, Network-to-Customer Installation - DS3 Metallic Interface Specification;

6.2.4.20 ITU Recommendation G.707, Network node interface for the synchronous digital hierarchy (SDH);

6.2.4.21 ITU Recommendation G.704, Synchronous frame structures used at 1544, 6312, 2048, 8488 and 44736 kbit/s hierarchical levels;

6.2.4.22 Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements;

6.2.4.23 Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance;

6.2.4.24 Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria;

6.2.4.25 Bellcore TR-NWT 000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.);

6.2.4.26 Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access;

6.2.4.27 Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1 February 1991;

6.2.4.28 Bellcore ST-TEC 000052, Telecommunications Transmission Engineering Textbook, Volume 2: Facilities, Third Edition, Issue I May 1989;

6.2.4.29 Bellcore ST-TEC-000051, Telecommunications Transmission Engineering Textbook Volume 1: Principles, Third Edition. Issue 1 August 1987;

7. Dedicated Transport

7.1 Definition

7.1.1.1 Dedicated transport that provide telecommunications between wire centers or switches owned by BellSouth, or between wire centers and switches owned by BellSouth and the CLEC to a particular customer.

7.1.1.2 Unbundled Local Channel

7.1.1.3 Unbundled Local Channel is the dedicated transmission path between the CLEC's Point of Presence and the BellSouth Serving Wire Center's collocation.

7.1.1.4 Unbundled Interoffice Channel.

7.1.1.5 Unbundled Interoffice Channel is the dedicated transmission path that provides telecommunication between BellSouth's Serving Wire Centers' collocations.

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

7.1.2.1 As capacity on a shared circuit.

7.1.2.2 As a circuit (e.g., DS1, DS3, STS-1) dedicated to the CLEC. This circuit shall consist of an Unbundled Local Channel or an Unbundled Interoffice Channel or both.

7.1.3 When Dedicated Transport is provided it shall include (as appropriate):

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

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

7.2 Technical Requirements

This Section sets forth technical requirements for all Dedicated Transport.

7.2.1 When BellSouth provides Dedicated Transport as a circuit or a system, the entire designated transmission circuit or system (*e.g.*, DS1, DS3, STS-1) shall be dedicated to CLEC designated traffic.

7.2.2 BellSouth shall offer Dedicated Transport in all technologies that become available including but not limited to, (1) DS0, DS1 and DS3 transport

systems, and SONET point-to-point transport systems (including linear add-drop systems), at available transmission bit rates.

7.2.3 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 industry standards.

7.2.4 Where applicable, for DS3 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 technical references set forth in the industry standards.

7.2.5 When requested by the CLEC, Dedicated Transport shall provide physical diversity. Physical diversity means that two circuits are provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits.

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

7.2.6.1 DS0 Equivalent;

7.2.6.2 DS1 (Extended SuperFrame – ESF);

7.2.6.3 DS3 (signal must be framed);

7.2.6.4 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.

7.2.6.5 When Dedicated Transport is provided, BellSouth shall design it according to BellSouth's network infrastructure to allow for the termination points specified by the CLEC.

7.3 Unbundled Channelization

7.3.1 BellSouth agrees to offer access to Unbundled Channelization when available pursuant to following terms and conditions and at the rates set forth in Attachment A to the SGAT.

7.3.2 Definition

7.3.3 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, the CLEC can have channels activated on an as-needed basis by having BellSouth connect lower level UNEs via Central Office Channel Interfaces (COCIs).

7.3.3.1.1 Channelization capabilities will be as follows:

7.3.3.2 DS3 Channelization System: An element that channelizes a DS3 signal into 28 DS1s/STS-1s

7.3.3.3 DS1 Channelization System: An element that channelizes a DS1 signal into 24 DS0s.

7.3.3.4 Central Office Channel Interfaces (COCI): Elements that can be activated on a channelization system.

7.3.3.5 DS1 Central Office Channel Interface elements can be activated on a DS3 Channelization System.

7.3.4 Voice Grade and Digital Data Central Office Channel Interfaces can be activated on a DS1 Channelization System.

7.3.5 AMI and B8ZS line coding with either Super Frame (SF) and Extended Super Frame (ESF) framing formats will be supported as options.

7.3.6 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.

7.3.7 Channelization may be incorporated within dedicated transport or ordered as a stand-alone capability, which requires either the high or low speed side to be connected to collocation.

8.0 Special Access Service Conversions

8.1 The CLEC may not convert special access services to combinations of loop and transport network elements, whether or not the CLEC self-provides its entrance facilities (or obtains entrance facilities from a third party), unless the CLEC 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 the CLEC converts its special access services to combinations of loop and transport network elements at UNE prices, the CLEC, hereby, certifies that it is providing a significant amount of local exchange service over such combinations. BellSouth may, at its sole discretion, audit the CLEC records in order to verify the type of traffic being transmitted over combinations of loop and transport network elements. If, based on its audits, BellSouth concludes that the CLEC 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 the CLEC.

8.2 EEL combinations for DS1 level and above will be available only when the CLEC 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.

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

8.4 The three circumstances under which a requesting carrier can meet the significant local traffic criteria are set forth in paragraph 22 of the FCC's Supplemental Order Clarification in Docket No. CC 96-98 dated June 2, 2000.

9. Signaling Link Transport

9.1 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.

9.2 Technical Requirements

9.2.1 Signaling Link Transport shall consist of full duplex mode 56 kbps transmission paths.

9.2.2 Of the various options available, Signaling Link Transport shall perform in the following two ways:

9.2.2.1 As an "A-link" which is a connection between a switch or SCP and a home Signaling Transfer Point Switch (STPS) pair; and

9.2.2.2 As a "B-link" which is a connection between two STPS pairs in different company networks (e.g., between two STPS pairs for two CLECs.

9.2.3 Signaling Link Transport shall consist of two or more signaling link layers as follows:

9.2.3.1 An A-link layer shall consist of two links.

9.2.3.2 A B-link layer shall consist of four links.

9.2.4 A signaling link layer shall satisfy a performance objective such that:

9.2.4.1 There shall be no more than two minutes down time per year for an A-link layer; and

9.2.4.2 There shall be negligible (less than 2 seconds) down time per year for a B-link layer.

9.2.5 A signaling link layer shall satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

9.2.5.1 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

9.2.5.2 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 Interface Requirements

9.3.1 There shall be a DS1 (1.544 Mbps) interface at the CLEC-designated SPOIs. Each 56 kbps transmission path shall appear as a DS0 channel within the DS1 interface.

10. Signaling Transfer Points (STPs)

10.1 Definition - Signaling Transfer Points is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches (STPSs) and their associated signaling links which enable the exchange of SS7 messages among and between switching elements,

database elements and signaling transfer point switches. Figure 4 depicts Signaling Transfer Points.

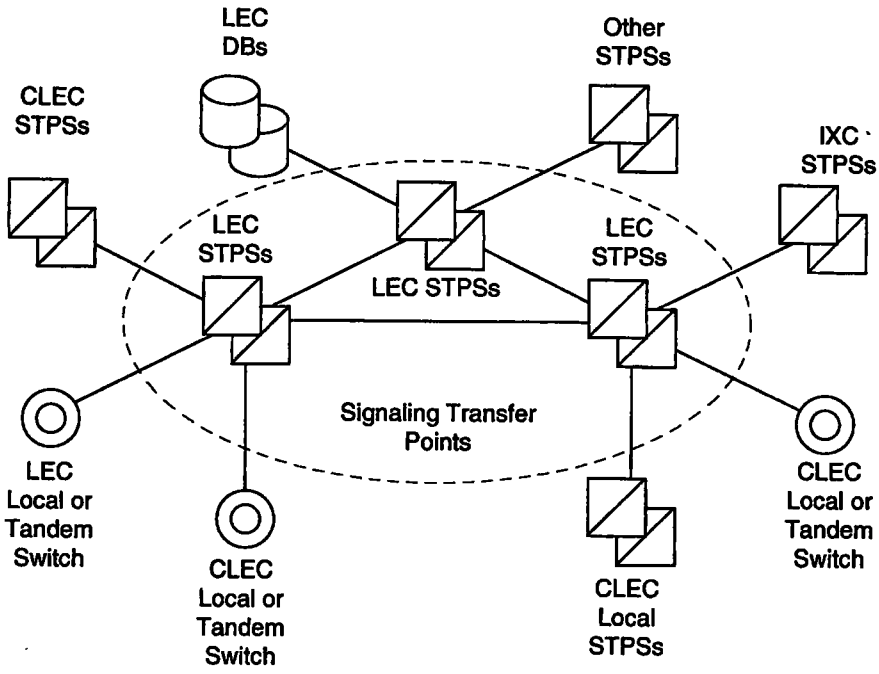

Figure 4

10.2 Technical Requirements

10.2.1 STPs shall provide access to Network Elements connected to BellSouth SS7 network. These include:

10.2.1.1 BellSouth Local Switching or Tandem Switching;

10.2.1.2 BellSouth Service Control Points/DataBases;

10.2.1.3 Third-party local or tandem switching

10.2.1.4 Third-party-provided STPSs.

10.2.2 The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to BellSouth SS7 network. This explicitly includes the use of BellSouth SS7 network to convey messages which neither originate nor terminate at a signaling end point directly connected to BellSouth SS7 network (*i.e.*, transient messages). When 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.

10.2.3 If a BellSouth tandem switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between a CLEC local switch and third party local switch, 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 the CLEC local STPSs and the STPSs that provide connectivity with the third party local switch, even if the third party local switch is not directly connected to BellSouth STPSs.

10.2.4 STPs shall provide all functions of the MTP as defined in Bellcore ANSI Interconnection Requirements. This includes:

10.2.4.1 Signaling Data Link functions, as defined in Bellcore ANSI Interconnection Requirements,

10.2.4.2 Signaling Link functions, as defined in Bellcore ANSI Interconnection Requirements, and

10.2.4.3 Signaling Network Management functions, as defined in Bellcore ANSI Interconnection Requirements.

10.2.5 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as defined in 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 BellSouth local or tandem switching system or data base, or is a CLEC or third party local or tandem switching system directly connected to BellSouth SS7 network, STPs shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, STPs shall perform intermediate GTT of messages to a gateway pair of STPSs in an SS7 network connected with BellSouth SS7 network, and shall not perform SCCP Subsystem Management of the destination.

10.2.6 STPs shall also provide the capability to route SCCP messages based on ISNI, as defined in Bellcore ANSI Interconnection Requirements, when this capability becomes available on BellSouth STPSs.

10.2.7 STPs shall provide on a non-discriminatory basis all functions of the OMAP commonly provided by STPSs. All OMAP functions will be on a "where available" basis and can include:

10.2.7.1 MTP Routing Verification Test (MRVT) and

10.2.7.2 SCCP Routing Verification Test (SRVT).

10.2.8 In cases where the destination signaling point is a BellSouth local or tandem switching system or database, or is a CLEC 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 STPSs 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 STPSs, and if mutually agreed upon by the CLEC and BellSouth.

10.2.9 STPs shall be equal to or better than the following performance requirements:

10.2.9.1 MTP Performance, as defined in Bellcore ANSI Interconnection Requirements and

10.2.9.2 SCCP Performance, as defined in Bellcore ANSI Interconnection Requirements.

10.2.10 SS7 Advanced Intelligent Network (AIN) Access

10.2.10.1 SS7 AIN Access shall provide the CLEC SCP access to BellSouth local switch via interconnection of BellSouth SS7 and CLEC SS7 Networks. BellSouth shall offer SS7 access through its STPs. If BellSouth requires a mediation device on any part of its network, BellSouth must route its calls in the same manner. The interconnection arrangement shall result in the BellSouth local switch recognizing the CLEC SCP as at least at parity with BellSouth's SCPs in terms of interfaces, performance and capabilities.

SS7 AIN Access is the provisioning of AIN triggers in a BellSouth local switch and interconnection of the BellSouth SS7 network with the CLEC SS7 network to exchange TCAP queries and responses with a CLEC SCP.

10.2.10.2 When provided through the same mediation application, delay associated with BellSouth local switch queries to the CLEC STP shall be equal to or shorter than the delay associated with queries to BellSouth STP.

10.2.10.3 BellSouth's STPs shall maintain global title translations necessary to direct AIN queries for select global title address and translation type values to the CLEC SS7 network.

10.2.10.4 BellSouth STPs shall route mutually agreeable AIN responses from the CLEC SCP via SS7 network interconnect to the local switch designated in the Signaling Connection Control Part (SCCP) called party address.

10.2.10.5 Network management controls resulting from an overload in elements not supporting the CLEC's customers shall not affect queries to the CLEC SCPs.

10.2.10.6 When the CLEC selects SS7 AIN Access, BellSouth will provide access to provisioning processes to support interconnection of the CLEC's STPs.

10.2.10.7 STPs shall offer SS7 AIN Access in accordance with the requirements of the following technical references, as implemented in BellSouth's STPs:

10.2.10.7.1 GR-2863-CORE, CCS Network Interface Specification Supporting Advanced Intelligent Network (AIN); and

10.2.10.7.2 GR-2902-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll-Free Service Using Advanced Intelligent Network (AIN).

10.3 Interface Requirements

10.3.1 BellSouth shall provide the following STPs options to connect the CLEC or the CLEC-designated local switching systems or STPSs to BellSouth SS7 network:

10.3.1.1 An A-link interface from the CLEC local switching systems; and,

10.3.1.2 A B-link interface from the CLEC local STPSs.

10.3.2 Each type of interface shall be provided by one or more sets (layers) of signaling links, as follows:

10.3.2.1 An A-link layer shall consist of two links, as depicted in Figure 6.

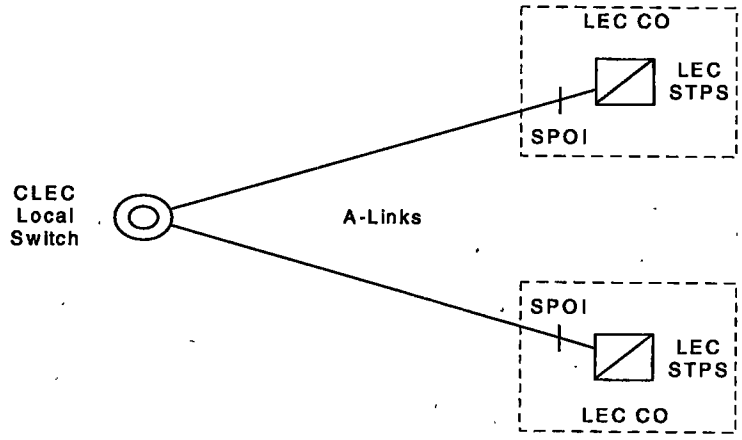

Figure 6. A-Link Interface

10.3.2.2 A B-link layer shall consist of four links, as depicted in Figure 7.

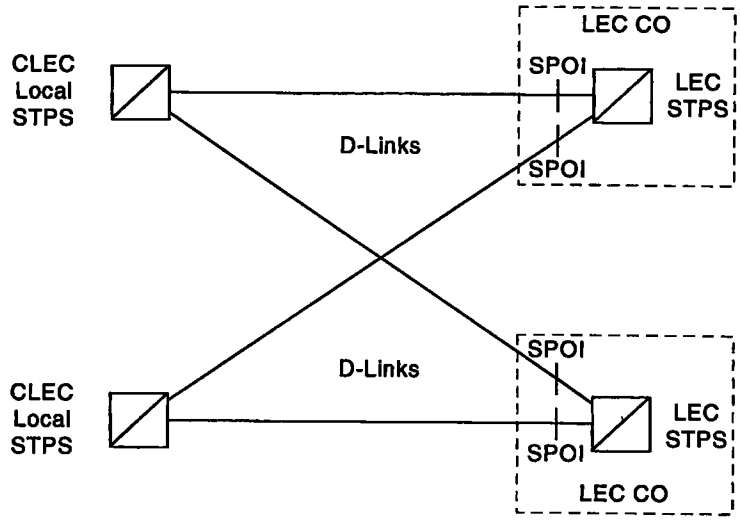

Figure 7. B-link Interface

10.3.3 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 STPS 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 the CLEC local switching systems or STPSs with BellSouth STPSs as soon as these become approved ANSI standards and available capabilities of BellSouth STPSs. BellSouth and the CLEC will work jointly to establish mutually acceptable SPOIs.

10.3.4 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 STPS. BellSouth and the CLEC will work jointly to establish mutually acceptable SPOIs.

10.3.5 BellSouth shall provide MTP and SCCP protocol interfaces that shall conform to all sections relevant to the MTP or SCCP in the following specifications:

10.3.5.1 Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP);

10.3.5.2 Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP).

10.3.6 Message Screening

10.3.6.1 BellSouth shall set message screening parameters so as to accept valid messages from the CLEC local or tandem switching systems destined to any signaling point within BellSouth's SS7 network where the CLEC switching system has a legitimate signaling relation.

10.3.6.2 BellSouth shall set message screening parameters so as to pass valid messages from the CLEC local or tandem switching systems destined to any signaling point or network accessed through BellSouth's SS7 network where the CLEC switching system has a legitimate signaling relation.

10.3.6.3 BellSouth shall set message screening parameters so as to accept and pass/send valid messages destined to and from the CLEC from any signaling point or network interconnected through BellSouth's SS7 network where the CLEC SCP has a legitimate signaling relation.

10.4 STPs shall be equal to or better than all of the requirements for STPs set forth in the following technical references:

10.4.1 ANSI T1.111-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP);

10.4.2 ANSI T1.111A-1994 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement;

10.4.3 ANSI T1.112-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP);

10.4.4 ANSI T1.115-1990 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks;

10.4.5 ANSI T1.116-1990 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP);

10.4.6 ANSI T1.118-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI);

10.4.7 Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP); and

10.4.8 Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP).

11. Service Control Points/DataBases

11.1 Definition

11.1.1 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, access to Service Creation Environment and Service Management System (SCE/SMS) application databases and Directory Assistance.

11.1.2 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.

11.2 Technical Requirements for SCPs/Databases

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 the CLEC in accordance with the following requirements.

11.2.1 BellSouth shall provide physical interconnection to SCPs through the SS7 network and protocols, with TCAP as the application layer protocol.

11.2.2 BellSouth shall provide physical interconnection to databases via industry standard interfaces and protocols (e.g. ISDN and X.25).

11.2.3 The reliability of interconnection options shall be consistent with industry standards for diversity and survivability.

11.2.4 Database Availability

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.

11.2.5 The operational interface provided by BellSouth shall complete Database transactions (i.e., add, modify, delete) for the CLEC's customer records stored in BellSouth databases within 24 hours, or sooner where BellSouth provisions its own customer records within a shorter interval.

11.3 Local Number Portability Database

11.3.1 Definition

The Permanent Number Portability (PNP) database supplies routing numbers for calls involving numbers that have been ported from one local service provider to another.

11.4 Line Information Database (LIDB):

See Attachment F to the SGAT for LIDB terms and conditions.

11.5 Toll Free Number Database

The Toll Free Number Database is a SCP that provides functionality necessary for toll free (e.g., 800 and 888) number services by providing routing information and additional so-called vertical features during call set-up in response to queries from SSPs. BellSouth shall provide the Toll Free Number Database in accordance with the following:

11.5.1 Technical Requirements

11.5.1.1 BellSouth shall make BellSouth Toll Free Number Database available for the CLEC to query with a toll-free number and originating information.

11.5.1.2 The Toll Free Number Database shall return carrier identification and, where applicable, the queried toll free number, translated numbers and instructions as it would in response to a query from a BellSouth switch.

11.5.1.3 The SCP shall also provide, at the CLEC's option, such additional feature as described in SR-TSV-002275 (BOC Notes on BellSouth Networks, SR-TSV-002275, Issue 2, (Bellcore, April 1994)) as are available to BellSouth. These may include but are not limited to:

11.5.1.3.1 Network Management;

11.5.1.3.2 Customer Sample Collection; and

11.5.1.3.3 Service Maintenance

11.5.2 Interface Requirements

The signaling interface between the CLEC or other local switch and the Toll-Free Number database shall use the TCAP protocol, together with the signaling network interface as specified in the technical reference herein.

11.6 Automatic Location Identification/Data Management System (ALI/DMS)

The ALI/DMS Database contains customer information (including name, address, telephone information, and sometimes special information from the local service provider or customer) 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:

11.6.1 Technical Requirements

11.6.1.1 BellSouth shall offer the CLEC a data link to the ALI/DMS database or permit the CLEC to provide its own data link to the ALI/DMS database. BellSouth shall provide error reports from the ALI/DMS database to the CLEC immediately after the CLEC inputs information into the ALI/DMS data base. Alternately, the CLEC may utilize BellSouth, to enter customer information into the data base on a demand basis, and validate customer information on a demand basis.

11.6.1.2 The ALI/DMS database shall contain the following customer information:

11.6.1.2.1 Name;

11.6.1.2.2 Address;

11.6.1.2.3 Telephone number; and

11.6.1.2.4 Other information as appropriate (e.g., whether a customer is blind or deaf or has another disability).

11.6.1.3 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 the CLEC requests otherwise and shall be updated if the CLEC requests, provided the CLEC supplies BellSouth with the updates.

11.6.1.4 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