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ORIGINAL
FILE COPY

August 9, 1996

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

RE: Docket No. 960833-TP

Dear Mrs. Bayo:

ACK ✓
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CMU Keith
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Enclosed are an original and fifteen copies of BellSouth Telecommunications, Inc.'s Response to AT&T's Petition for Arbitration Under the Telecommunications Act of 1996. Please file these documents in the captioned docket.

A copy of this letter is enclosed. Please mark it to indicate that the original was filed and return the copy to me. Copies have been served on the parties shown on the attached Certificate of Service.

Sincerely,

William J. Ellenberg II

William J. Ellenberg II
(22)

Enclosures

cc: All Parties of Record
A. M. Lombardo
R. G. Beatty

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DOCUMENT NUMBER-DATE
08870 AUG-9 96
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CERTIFICATE OF SERVICE
DOCKET NO. 960833-TP

I HEREBY CERTIFY that a true and correct copy of the foregoing was served by Federal Express this 9th day of August, 1996 to the following:

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AT&T Communications of the
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Tallahassee, FL 32301
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2540 Shumard Oak Boulevard
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(904) 413-6204

William J. Ellenberg II
(JE)

FILE COPY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Matter of the Interconnection Agreement Negotiations Between AT&T Communications of The Southern States, Inc. and BellSouth Telecommunications, Inc. Pursuant to 47 U.S.C. § 252	)	Docket No. 960833-TP
	)	Filed: August 9, 1996

BELLSOUTH TELECOMMUNICATIONS, INC.'S RESPONSE TO AT&T'S PETITION FOR ARBITRATION UNDER THE TELECOMMUNICATIONS ACT OF 1996

BellSouth Telecommunications, Inc. ("BellSouth") hereby responds, pursuant to Rules 25-22.037 and 25-22.0375, Florida Administrative Code[1], to the Petition of AT&T Communications of The Southern States, Inc. ("AT&T") for Arbitration Under the Telecommunications Act of 1996, and shows the following[2]:

[1] Petitions and answers filed with the Florida Public Service Commission, whether relating to arbitration or otherwise, should substantially conform to the Florida Rules of Civil Procedure as to content and form. (Rule 25-22.027, F.A.C.) Accordingly, AT&T's petition should be framed so as to include consecutively numbered paragraphs that allege facts and request relief in the manner described in the Florida rules. Instead, AT&T has filed what is tantamount to a rambling brief that includes its view of the purpose of the Federal Telecommunications Act of 1996, the current competitive environment, and an assortment of other matters that are not specifically related to the instant dispute between BellSouth and AT&T. BellSouth has made every effort to frame its response so as to identify the unresolved matters that remain for arbitration. However, the form of AT&T's petition is such that a simple answer by BellSouth that conforms to the Florida Rules would not only have been difficult to frame, but would have left unchallenged many of AT&T's general allegations. BellSouth's response, therefore, has to be framed in the manner presented in order to address the matters AT&T has tried to place before the Commission.

[2] On August 1, 1996, the Federal Communications Commission ("FCC") held an open meeting to unveil its decision regarding rules and regulations for unbundling, interconnection, and wholesale discounts under the Act. The actual order and rules, consisting of more than 700 pages, has now been released; however BellSouth has not had an adequate opportunity to analyze the impact, if any, of the FCC's decision on positions taken in this response. In accordance with the Commission's order,

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I. INTRODUCTION

Sections 251 and 252 of the Telecommunications Act of 1996 (the "Act" or "federal Act") encourage negotiations between parties to reach voluntary local interconnection agreements. Section 251(c)(1) requires incumbent local exchange companies to negotiate the particular terms and conditions of agreements to fulfill the duties described in §§ 251(b) and (c)(2-6).

During the negotiation process, the Act allows a party to petition a state commission for arbitration of unresolved issues between the 135th and the 160th day from the date a request for negotiation was received.[3] The petition must identify the issues resulting from the negotiations which are resolved, as well as those which are unresolved.[4] The petitioning party must submit along with its petition "...all relevant documentation concerning: (1) the unresolved issues; (2) the position of each of the parties with respect to those issues; and (3) any other issue discussed and resolved by the parties."[5] A non-petitioning party to a negotiation under this section may respond to the other party's petition and provide such additional information as

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BellSouth will file supplemental testimony addressing the impact of the FCC's decision on the issues in this arbitration. As a note, agreements voluntarily negotiated between BellSouth and other carriers in Florida contain a provision allowing those agreements to be conformed, if necessary, to the FCC decision.

[3] 47 U.S.C. § 252(b)(1).

[4] See generally, 47 U.S.C. §§ 252(b)(2)(a) and 252(b)(4).

[5] 47 U.S.C. § 252(b)(2).

it wishes within 25 days after the state commission receives the petition.[6] The Act limits the state commission's consideration of any petition (and any response thereto) to the unresolved issues set forth in the petition and in the response.[7]

In resolving the open issues in the arbitration process, a state commission must: (1) ensure that such resolution and conditions meet the requirements of § 251, including the regulations prescribed by the FCC pursuant to § 251; (2) establish any rates for interconnection, services, or network elements according to § 252(d); and (3) provide a schedule for implementation of the terms and conditions by the parties to the agreement.[8] Subsection (d) referred to above contains the pricing standards of the Act.

In summary, the Commission must ensure that § 251 and § 252 requirements are met. Section 251 contains obligations for all local exchange carriers regarding resale, number portability, dialing parity, access to rights-of-way, and reciprocal compensation. In addition, incumbent local exchange carriers ("ILECs") have obligations, including the duty to negotiate in good faith the terms and conditions of agreements. ILECs also have duties relating to: (1) interconnection; (2) unbundled access; (3) resale; (4) notice of changes; and (4) collocation as

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[6] 47 U.S.C. § 252(b)(3).
[7] 47 U.S.C. § 252(b)(4).
[8] 47 U.S.C. § 252(c).

well as a reciprocal obligation to negotiate in good faith with regard to the terms and conditions of interconnection.[9] These are the obligations that are to be the basis of negotiation and, if negotiations are unsuccessful, then form the basis for arbitration. Issues or topics not specifically related to these areas are outside the scope of an arbitration proceeding.

In its Petition, AT&T has set forth a number of specific issues for arbitration, and then attached a lengthy document, with attachments, which it labeled an "Interconnection Agreement" ("Agreement"). AT&T stated that the Agreement contained not only additional issues or matters which were resolved, but also some matters "that while not yet accepted by BellSouth, are consistent with the Act"-- a phrase which is presumably a euphemism for the word "unresolved."[10] Apparently, AT&T believes it is incumbent

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[9] 47 U.S.C. § 251(c)(1).

[10] In particular, several of the provisions and at least one of the attachments to AT&T's proposed Interconnection Agreements relate to obligations which AT&T would impose through this arbitration on BellSouth Advertising and Publishing Company ("BAPCO"). BAPCO, a wholly-owned subsidiary of BellSouth Enterprises, Inc. (a wholly-owned subsidiary of BellSouth Corporation), was erroneously referred to as a wholly-owned subsidiary of BellSouth. The only directory obligation imposed on BellSouth under the Act is the obligation to meet the competitive checklist obligation to provide non-discriminatory access to "white page directory listings" for AT&T's customers. 47 U.S.C. § 271(c)(2)(B)(viii). BellSouth has made arrangements to satisfy this requirement. Any other directory services which AT&T desires must be negotiated between AT&T and BAPCO in an agreement acceptable to both companies, rather than improperly mandated by this Commission. These matters, e.g., inclusion of AT&T's logo on the cover of directories and any issues related to the manner in which BAPCO interacts with potential or actual directory customers, both of which are mentioned in footnote 34 to the petition, are outside the scope of the Act, go to matters

upon BellSouth or the Commission to sift and sort through the several hundred pages in this so-called Interconnection Agreement to cull out additional unresolved issues.

As a preliminary matter which the Commission must resolve[11] it is important to note that neither the Act nor the Commission's Initial Order Establishing Procedures in this arbitration contemplates such a procedure. As the petitioning party, under the federal Act and the procedural order, it is AT&T's responsibility to list all of those issues which it believes are resolved and all of those issues which it believes are unresolved. This is necessary because, in an arbitration proceeding under § 252, the Commission must limit its consideration to those specific issues that the parties identify as being unresolved.[12]

The significance of AT&T's failure to adhere to the law in this regard should not be overlooked. Indeed, it should be of concern to the Commission as it is to BellSouth. The law obviously contemplates that once a commission resolves the issues to be arbitrated, those issues, plus the issues identified by

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and entities outside the jurisdiction of the Commission, and therefore may not be addressed in this arbitration.

[11] BellSouth is filing today a Motion asking the Commission to compel AT&T to comply both with the provisions of the federal Act and with the directions contained in this Commission's procedural order in this docket, specifically requesting that AT&T be required to identify all of the issues it is aware of in this proceeding, not merely those it wishes to address.

[12] 47 U.S.C. § 271(B)(4)(A).

both parties as resolved, should be sufficient to constitute an agreement. Therefore, the sum total of all of the issues identified by the petitioner, and supplemented by the respondent if it chooses to do so, must fulfill that obligation. In this instance, if the Commission were to resolve the issues AT&T has identified as unresolved, the inclusion of those issues in the so-called Interconnection Agreement would not result in a document that could be signed.

Importantly, BellSouth is not required by the federal Act to pick through AT&T's boiler plate to identify what it disagrees with.[13] Moreover, AT&T has misrepresented the facts as it relates to its "Agreement." Specifically, and contrary to the representations of AT&T, BellSouth has not and does not now agree with all of the provisions of AT&T's "Agreement" other than the ones AT&T has identified in its petition as being unresolved. AT&T knows this, knows that a schedule was being developed between AT&T and BellSouth to review the document AT&T prepared on the very day it filed its petition. AT&T knows today that portions of that "Agreement," under the schedule AT&T has agreed

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[13] The Commission has, in its procedural order, required the respondent to provide its own list of issues with its response to a request for arbitration. To satisfy this obligation and to try to make the issues in this proceeding meaningful and complete, BellSouth has worked with AT&T and the Commission's staff, through an exchange of issues lists and an issue identification meeting, to develop an appropriate list of issues for this proceeding. That process continues and the list of issues is neither complete nor fully resolved.

to follow, are still under review.

While perhaps not "fundamental" to AT&T as it describes the unresolved issues in its petition, there are issues addressed in the "Agreement" about which the parties have not--as AT&T knows--reached agreement. For example, evidently no agreement at all has been reached regarding how taxes associated with performance under the Agreement are going to be handled. While this issue may not be subject to arbitration in the first instance, AT&T certainly cannot represent that an agreement has been reached, nor can AT&T claim that it did not know this was an issue when it filed its Petition. There are a number of unresolved issues like this hidden in AT&T's Agreement, and AT&T cannot be allowed to escape its responsibility to identify such matters. Both BellSouth and the Commission need to know whether and how AT&T expects these issues to be resolved if not specifically identified as unresolved issues in this arbitration.

AT&T's "Agreement" should have been presented to BellSouth in a timely manner, negotiated as to its particulars, and any issues either resolved or identified as not resolved. If AT&T had done so, instead of rushing to file its petition for arbitration at the very first instant it could, then all of the issues, both those resolved and unresolved, could have been included in AT&T's Petition. This is what the law requires. BellSouth may identify additional unresolved issues, but is not required to do AT&T's job.

Perhaps AT&T has tried to take a shortcut to avoid the effort of gleaning unresolved issues from the pages of its tome.[14] Perhaps it chose not to identify additional issues so that the Commission could focus on "fundamental" areas of particular importance to both AT&T and BellSouth. Either way, AT&T should not be allowed to shift the burden of sorting through its boiler plate to BellSouth or to the Commission. If AT&T is not sure if an issue is resolved, it should have listed the issue as unresolved. BellSouth could then agree or disagree with AT&T's position and the issues necessary to reach an agreement that could be executed would be joined. AT&T has not done that, and the necessary issues to resolve the current dispute, both from AT&T's perspective and BellSouth's, are not before the Commission at this time.[15]

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[14] As may be clear from the discovery BellSouth has requested and its comments elsewhere, BellSouth believes that significant portions, if not all of the "Agreement" presented to BellSouth were centrally prepared by someone else for AT&T and therefore may have been available long before the "Agreement" was presented to BellSouth. AT&T's failure to do so, together with its failure to adhere to the requirements of the federal Act and this Commission's procedural order, has handicapped this entire process, to AT&T's advantage if the Commission does not act to require AT&T to conform to the requirements imposed on AT&T by law and this Commission.

[15] In an effort to assist in this process, BellSouth has attached a list previously provided to AT&T of issues in the Agreement regarded by BellSouth as unresolved as of the date of the mediation BellSouth requested in its dispute with AT&T (Exhibit 1) and a "red-lined" version of AT&T's so-called Interconnection Agreement (Exhibit 1A). This "red-lined" version represents the first and baseline response to AT&T's Agreement and was furnished to AT&T previously. The language with which BellSouth disagreed in the document was stricken, and the language BellSouth will accept was inserted. If negotiations on

All in all, AT&T's petition leaves the parties and the Commission with the potential for a resolution of specific issues which both parties agree are in dispute, but without an agreement which can be submitted to this Commission for its approval. This outcome must be avoided. BellSouth's Motion to Compel Compliance, filed today with this response, should cure this defect if granted by this Commission. What BellSouth is not willing to do is to complete AT&T's job for it, nor is it willing to turn a blind eye to AT&T's ploy to increase the burdens on BellSouth in this arbitration which, as this Commission knows, is being conducted on a very compressed time frame. BellSouth is more than willing to meet with the Prehearing Officer or the Commission's staff to identify all of the issues which are necessary in order have an agreement which will allow AT&T to begin providing service. BellSouth, as it has said repeatedly, has been able to achieve this result with a number of other competitors, some of whom are providing competitive local alternatives today. AT&T's obdurate insistence on having its own way, should not be sanctioned by this Commission.

As noted earlier, AT&T did identify certain "fundamental" issues about which AT&T and BellSouth disagree. In §§ III-VI of this response, BellSouth will list those unresolved issues specifically identified by AT&T and will set forth BellSouth's

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a particular provision were to be postponed by agreement between AT&T and BellSouth, this was also noted. The parties are continuing to negotiate on these matters.

general position with regard to each of these issues, so that pending identification of any remaining issues that may prevent a final agreement from being reached, progress can be made to get AT&T in the business of providing local service and, hopefully, actually providing a benefit to the citizens of Florida.

II. BACKGROUND: ALL ROADS LEAD TO ROME

In this case, Rome is arbitration. From the very outset of negotiations between BellSouth and AT&T, AT&T has single-mindedly pursued a strategy of forcing this matter to arbitration. Throughout its petition, AT&T extols the virtues and promises of competition in the local exchange and attempts to create the impression that it, and it alone, can deliver this promise to consumers in Florida. With disingenuous bravado, AT&T portrays BellSouth like a wagonmaster in the Old West circling the wagons, unwilling "to relinquish its monopoly control over the local telephone market." It is vitally important for the Commission to see through this facade of rhetoric and realize that AT&T is not the cavalry. AT&T was not driven to arbitration by an unyielding BellSouth. Neither has AT&T come to arbitration frustrated by BellSouth's defenses and certainly nor out of an altruistic concern for consumers in Florida. AT&T has intended to reach this point all along to serve its own agenda -- an agenda formulated and dictated by AT&T's owner, BellSouth believes.

Consider that BellSouth has a track record in negotiations

with other companies that demonstrates its willingness to compromise, its commitment to negotiations. BellSouth has concluded interconnection agreements with, as of the time of this filing, some fifteen companies. Six of these companies are now authorized to provide local service in Florida either with their own facilities or through resale. AT&T has yet to conclude a negotiated interconnection agreement with an incumbent telephone company any of the fifty states. Despite repeated challenges from BellSouth to produce a single agreement, AT&T simply wrings its hands and bemoans the intransigence of BellSouth. Companies who understand compromise, companies willing to be reasonable, have reached agreement. BellSouth is one of those companies.

Consider next AT&T's approach to negotiations. AT&T has been relentless in its pursuit of detail. BellSouth, frustrated that the discussions were hopelessly bogged down in detail, forwarded a model interconnect agreement to AT&T on June 13, 1996. BellSouth was optimistic that the agreement would provide a basis for raising the talks out of the morass of minutiae and start the ball rolling anew. In keeping with its characteristic posturing, AT&T threw up its hands, cried foul, and rejected BellSouth's document as unrelated to the BellSouth/AT&T negotiations. AT&T's return volley was its own proposed agreement consisting of hundreds of pages of terms, conditions, and attachments. AT&T now alleges that BellSouth "has yet to respond in any meaningful way..." to the proposed agreement.

AT&T makes this allegation knowing that on the very day AT&T raced to file its petition in this state, core negotiation teams from both sides were sitting down to develop a schedule to break down the agreement into logical and manageable components and continue negotiations on that basis. The schedule for those further negotiations is attached to this response as Exhibit 2.[16]

Finally, consider the mediation requested by BellSouth which conspicuously was not mentioned in AT&T's petition. BellSouth filed a petition with the Alabama Public Service Commission on June 17, 1996[17] seeking mediation. Again, it was abundantly clear, at least to BellSouth, that the negotiations were lost in a sea of details. On the eve of the mediation, AT&T fired its first salvo in the form of a letter to the mediator. AT&T charged BellSouth with a lack of the dedication of the appropriate, and sufficient, resources to accommodate AT&T, apparently inferring a lack of a serious desire to negotiate. Exhibit 3. Notwithstanding AT&T's unprovoked and unwarranted attack, BellSouth arrived at the mediation with a sincere desire to break the log jam. AT&T came to the meeting with a host of its "negotiators" and with another agenda, to obtain information for use in this arbitration.

The correctness of this conclusion is easily demonstrated.

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[16] BellSouth and AT&T have both expressed a desire to continue to negotiate during this arbitration.

[17] The mediation, like the negotiations to that point, were to address matters on a regional level to the extent possible.

When the mediator suggested that the contents of the mediation should be held in confidence, and not be admissible in subsequent proceedings, AT&T's strategy became clear. It was looking ahead to arbitration and unconcerned with the mediation. AT&T insisted that anything and everything discussed during the mediation be "fair game," i.e. admissible in the arbitration. AT&T's position flew in the face of universally accepted practice in mediation. The rationale for confidentiality in mediations, such as the desire to invite complete candor and encourage compromise, are generally universally accepted by everyone. AT&T was adamant. It was AT&T's way or no way (an attitude characteristic of its entire approach to "negotiation"). BellSouth offered a compromise and sought "protection" only for offers of compromise and related discussions, as well as the thoughts and recommendations of the mediator. Though the mediator regarded BellSouth's offer as reasonable (see Exhibit 4), it wasn't good enough for AT&T. The mediation broke down.

AT&T didn't just expect to arbitrate. AT&T planned for it. That is the only explanation for the seventeen binders of "relevant documentation"[18] filed with the petition which includes

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[18] While AT&T has filed these materials as "relevant documentation," it has not referenced these materials in its petition or explained the relevance of many of them. Perhaps, as opposed to "relevant document," AT&T has produced all documentation. In any event, because of the volume of these materials, and for the reasons already stated, BellSouth is not addressing the totality of the documents. Relevant documents are attached to this response, or will be provided with the prefiled testimony of BellSouth's witnesses or introduced during the

such things as transcriptions of voice mails and type-written notes of phone conversations. It is the only explanation for AT&T's burning desire to file this arbitration request on the first possible day under the Act even before it was able or prepared to file supporting testimony. The race to the Commission's hearing room was engineered by AT&T from the beginning.

The question that remains is: Why has AT&T been so focused on reaching arbitration? AT&T's reasons are as obvious as its strategy. First, AT&T knows that other parties have concluded agreements with BellSouth.[19] Those agreements are required to be, and have been, filed as a matter of public record with this Commission. AT&T, therefore, knows the rates contained in those agreements, the network elements addressed, and, indeed, knows all of the terms and conditions. The provisions in those

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arbitration hearings. BellSouth neither admits nor denies the relevance or accuracy of the materials filed by AT&T with the petition not specifically addressed in this response.

[19] In its prayer for relief, but nowhere else in its petition, AT&T asks the Commission to order BellSouth "to produce all interconnection agreements...to which BellSouth is a party...including specifically those with other Incumbent Local Exchange Carriers." Petition at 42. This issue has been addressed by the Commission in Order No. PSC-96-0959-FOF-TP. The Commission rejected AT&T's slanted interpretation of the Act as requiring the filing of interconnection agreements predating the Act. The issue now is the subject of a Proposed Agency Action and should not be revisited in this arbitration. AT&T's position, in the face of "the plain meaning of § 252(a)(1)" is a telling indication of the lengths to which AT&T will go to torture the Act for its own purposes -- as it does with the resale pricing standard and elsewhere in the petition.

agreements become the baseline for AT&T. It knows it can do no worse than what is available in those provisions. If it fails in the arbitration, it simply avails itself of those negotiated agreements. Obviously, though, AT&T expects to do better in arbitration so that it can line its pockets at the expense of BellSouth. This strategy is best understood by examining the evolution of AT&T's resale proposals around the BellSouth region.

In Georgia, AT&T filed a petition, prior to the passage of the Act asking the Public Service Commission to establish the rates, terms and conditions for the resale of BellSouth's services. Docket No. 6352-U, IN RE: Petition of AT&T's for the Commission to Establish Resale Rules, Rates, Terms and Conditions and Initial Unbundling of Services. AT&T asked the Commission to set a wholesale discount (to be applied to BellSouth's retail rates) at 38% based on (1) an avoidable cost model which yielded a 28.3% discount and (2) an additional arbitrary 10% to penalize BellSouth until it could develop database interfaces to provide access to its support systems[20] like those described in its Florida arbitration petition. The AT&T Avoidable Cost Model could not withstand scrutiny. It was based on irrational assumptions and led to perverse outcomes, like the potential (but obviously realistically impossible) allocation of 300% of certain

[20] AT&T apparently believes an arbitrary 15% penalty in Florida is better than the arbitrary 10% it requested in Georgia, and has upped the ante accordingly.

cost categories as "avoidable" costs. The Georgia Commission essentially split the difference and ordered a 20% discount (actually 20.3% for residence services; 17.3% for business services). AT&T has not challenged the discount determined by the Georgia Commission,[21] nor has it asked to revisit the issue in its petition for arbitration in Georgia. BellSouth submits that 20% was the range in which AT&T hoped and expected the wholesale discount to fall. AT&T proposed a 38.3% discount hoping the Commission would "split the baby."

If 20% is good, 25% must be better. In Kentucky, AT&T asked for a 50% discount without any cost support at all. Now, with the Georgia decision as its baseline, AT&T is shooting for the moon. In its petition here, AT&T has asked for a 66.7-71.7% discount. Not coincidentally, AT&T argued in Georgia that it needed a minimum 35% discount to compete effectively. The math is inescapable. One half of the recommended range in its petition is approximately 35%. Obviously, AT&T is artificially (and typically) inflating its proposed wholesale discount with inappropriate and unjustified calculations of avoidable costs and other contrivances, like additors to "jump start" competition, in hopes of obtaining the discount it really wants -- and claims to need. The inescapable conclusion is that if AT&T can get <u>half</u> of what it has asked for in its petition, it will have hit a home

[21] BellSouth filed a petition for judicial review of the Georgia Commission order regarding the wholesale discount.

run, while portraying BellSouth as the malefactor in this process to further AT&T's goal of delaying or preventing BellSouth's entry into the interLATA market.

Just as this conclusion is inescapable, AT&T's strategy is clear. It has taken a similar approach regarding a number of issues in the arbitration. Clearly, the Commission must weigh the evidence and carefully scrutinize AT&T's claim in light of its obvious bias and self-interest, as well as its prior conduct. At the end of the day, the evidence will not justify the wholesale discount proposed by AT&T in the resale portion of this arbitration. Similarly, close scrutiny will show the same is true of AT&T's other "unresolved" issues.

The remainder of this response will address the specific issues addressed in the three broad categories beginning in page 12 of the petition. For the convenience of the Commission, BellSouth will attempt to address the issues in order and as they are characterized and presented in the petition.[22]

III. ISSUES RELATING TO SERVICE PARITY AND RESALE

AT&T argues that the Act "imposes a duty upon BellSouth to provide AT&T with the capability to achieve parity of offerings when competing against BellSouth -- the ability of AT&T to give

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[22] To the extent there are factual allegations contained in the petition which are not specifically admitted in this response, those allegations stand denied.

its customers at least the same experience that BellSouth gives its customers." Petition at p. 12. As authority for its position, AT&T relies upon the following:

> (2) Interconnection.--The duty to provide, for the facilities and equipment of any requesting telecommunications carrier, interconnection with the local exchange carrier's network--
>
> (A) for the transmission and routing of telephone exchange service and exchange access;
>
> (B) at any technically feasible point within the carrier's network;
>
> (C) that is at least equal in quality to that provided by the local exchange carrier to itself or to any subsidiary, affiliate, or any other party to which the carrier provides interconnection; and
>
> (D) on rates, terms, and conditions that are just, reasonable, and nondiscriminatory, in accordance with the terms and conditions of the agreement and the requirements of this section and § 252.
>
> (3) Unbundled access.--The duty to provide, to any requesting telecommunications carrier for the provision of a telecommunications service, nondiscriminatory access to network elements on an unbundled basis at any technically feasible point on rates, terms, and conditions that are just, reasonable, and nondiscriminatory in accordance with the terms and conditions of the agreement and the requirements of this section and § 252. An incumbent local exchange carrier shall provide such unbundled network elements in a manner that allows requesting carriers to combine such elements in order to provide such telecommunications service.
>
> (4) Resale.--The duty--
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> (A) to offer for resale at wholesale rates any telecommunications service that the carrier provides at retail to subscribers who are not telecommunications carriers; and
>
> (B) not to prohibit, and not to impose unreasonable or discriminatory conditions or limitations on, the resale of such telecommunications service, except that a State

> Commission may, consistent with regulations prescribed by the Commission under this section, prohibit a reseller that obtains at wholesale rates a telecommunications service that is available at retail only to a category of subscribers from offering such service to a different category of subscribers.[23]

The only mention of anything resembling "parity" as AT&T describes it is the requirement that "interconnection with the local exchange carrier's network -- that is at least equal in quality to that provided by the local exchange carrier to itself....."[24] This has absolutely nothing to do with resale of BellSouth's services and, as one example only, certainly creates no duty to provide operational interfaces to BellSouth's administrative support systems or databases.

Even so, BellSouth agrees conceptually that parity, while not a requirement under the Act, is a goal worth pursuing. BellSouth, however, has a different and more reasonable, understanding of what parity means in this context. Parity does not mean that AT&T, or any competing carriers' access to BellSouth's network or its facilities or its systems or any piece of the business be identical to BellSouth's in all respects. Taken to its logical conclusion, AT&T's position would require BellSouth to simply "give AT&T the keys to the building and ask it to turn off the lights when it is through." This is not the intent of the Act. It is not a requirement of the Act. It

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[23] 47 U.S.C. § 251(c)(2)-(4).
[24] 47 U.S.C. § 251 (C)(2)(B).

cannot even be said that it is implied by the Act.

A. Parity Does Not Require Real-Time and Interactive Access to BellSouth Operations Support Systems Via Electronic Interfaces

AT&T has requested the Commission to require BellSouth to provide five categories of operational interfaces AT&T claims to have identified as being necessary in order for a reseller to provide service equal in quality to that of the incumbent LECs.

BellSouth plans to provide interfaces for each of these five operational interface categories and has either taken the steps necessary to develop them or has them currently available, or is specifically addressing every one of the operational interfaces that AT&T has requested as being consistent with the Order of the Georgia Public Service Commission referred to in the petition. A copy of a report to the Georgia Public Service Commission on BellSouth's efforts in this regard is attached as Exhibit 5. BellSouth urges the Commission to allow these operational interfaces to evolve as the resale market itself evolves. BellSouth believes an incremental development approach is appropriate for the infant resale market.

AT&T has manufactured out of whole cloth a standard of parity under the Act. It then goes another step in its leap of faith to argue that this parity standard requires that AT&T have real time and interactive access to BellSouth operations support systems via electronic interfaces. No such requirement exists.

Competitive parity, if any such standard exists, can be accomplished in ways much less onerous than those proposed by AT&T. BellSouth is prepared to provide AT&T with a level and quality of service comparable to the service and quality provided to BellSouth's end users. As such, BellSouth's proposals regarding pre-service ordering, ordering and provisioning are designed to meet that commitment.

Not surprisingly, AT&T fails to mention the need for BellSouth to recover the cost of developing interfaces responsive to AT&T's needs. AT&T also ignores the way cost recovery was addressed by the Georgia Commission. AT&T, and those desiring to use these interfaces, should bear the cost of developing them. BellSouth's position is entirely consistent with the Act.

B. Not All Services Should Be Subject to Resale

The Act requires that BellSouth "offer for resale at wholesale rates any telecommunications services that the carrier provides at retail to subscribers who are not telecommunications carriers..."[25] It is BellSouth's position that the following are not required to be offered for resale for the reasons set forth below:

* Grandfathered and Obsolete Services. On occasion, BellSouth makes a decision, ultimately approved by this Commission, not to allow the expansion of certain services, referred to as "grandfathered" services, to new

[25] 47 U.S.C. § 251(4)(B).

customers. This means, that, for legitimate business reasons, BellSouth made a decision not to commit the resources necessary to support the service indefinitely. If the service is resold, then a reseller can force BellSouth to commit resources in ways or for times that do not make good business sense. That is not the intent of the Act.

* Contract Service Arrangements. These are not retail services per se. They are special rates which the Commission has authorized BellSouth to charge in lieu of its tariffed rates in order to respond to a specific competitive threat on a customer-by-customer basis. It would not be logical or appropriate to require BellSouth to offer for resale a contract service arrangement which was designed specifically for a particular customer's needs in the face of a competitive threat. In any event, a reseller can buy the underlying service, receive the appropriate discount, and resell the service, alone or in conjunction with other offerings to attract a customer on its own merits - not by virtue of its ability to obtain a discount off an already discounted rate.

* Lifeline and Link Up Services. These are not actually retail services, but are discounted rates provided under a special set of circumstances. Any telecommunications carrier can and should apply for these funds, as appropriate. If a carrier wishes to market and provide service to persons eligible for these rates, that carrier should bear the administrative costs as well as any amount not reimbursed under these programs. BellSouth should not be forced to subsidize the other carrier, as opposed to the end user.

* N11 and 911/E911. Similarly these services are not offered to end users at retail rates. N11 services are actually dialing arrangements that are provided to information service providers. These companies, in turn, provide a service to the public, i.e., end users. The same is true of 911/E911 services which are used by counties and other governmental authorities. End users do not pay a charge to BellSouth for these services and therefore, they do not meet the definition of a retail service.

* State Specific Discount Plans or Services. Generally, these offerings resemble Lifeline and Link-up, but are mandated by state agencies, like the Commission. AT&T has not identified any specific discount plans or services to which this dispute applies. Again, these general

arrangements are not retail services and should not be offered for resale for the same reasons stated above.

To be eligible for resale, a service must be a "telecommunications service" that is offered "at retail to end users." BellSouth's exceptions to the resale requirement accurately track its statutory resale obligation.

C. Limitations On the Resale of Telecommunications Services are Permissible and Appropriate

AT&T argues that BellSouth may not impose "use and user" restrictions on the resale of services. Inasmuch as AT&T has not stated, with any specificity, the restriction to which it refers, it is impossible to respond specifically. However, it is clear not all restrictions or limitations on resale are prohibited. Obviously, restrictions or limitations which are reasonable and non-discriminatory are allowed. The Act specifically authorizes this Commission to "prohibit a reseller that obtains at wholesale rates a telecommunication service that is available at retail only to a category of subscribers from offering such service to a different category of subscribers."[26] Class of service restrictions are authorized.

D. Branding is Not Required by the Act and is Inconsistent with the Concept of Resale

AT&T, relying on its notion of parity, argues that the Act imposes a duty on BellSouth to put processes in place to assure

[26] 47 U.S.C. § 251(c)(4)(b).

that services provided to AT&T's customers by BellSouth are branded as AT&T services.

BellSouth's position is that Operator and Directory Services are provided for resale in the same manner they are provided to BellSouth's end users. Currently, operator services calls are branded as BellSouth in Florida. Directory assistance calls are not branded at all. There are technical feasibility issues associated with routing such traffic to a unique trunk group, which is one requirement for BellSouth to be able to "brand" such services for a third party.[27]

Although not required by the Act, BellSouth has tried to accommodate AT&T. BellSouth field personnel will be identified as BellSouth employees but will advise they are at the end user's premise on AT&T's behalf. All technicians are being provided training to ensure that AT&T resale end users are served in the same manner as BellSouth end users.

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[27] AT&T's strategy on this routing issue is a shotgun approach. The identical issue is addressed no less than four times in AT&T's petition in different contexts, but are never clearly tied together. Each of the following: (1) branding BellSouth operator and directory assistance services as AT&T services when a AT&T resale customer calls them, (2) routing calls from AT&T resale customers to AT&T's operator and directory assistance services, (3) routing calls from AT&T resale customers over AT&T's interoffice transport facilities (AT&T's view of unbundled switching) and (4) AT&T's view of unbundled transport, involves the same issue of the technical limitations on the routing of calls. By raising the issues separately four times, AT&T, no doubt, hopes that it can carry the day on any one of these issues and, therefore, carry the day on all of them without the Commission understanding the total implication of its actions.

Finally, BellSouth has agreed that it will use generic "leave behind" cards that will have a space for the installer to fill in AT&T as the company who made the premise visit. The Commission must consider that AT&T is only one of many companies which will enter the local exchange market. There are practical difficulties, if not impossibilities with handling materials for multiple new entrants. Additional or more extensive branding requirements are inappropriate, may not be technically feasible, may be impossible from a practical standpoint, and are not required under the Act.

E. Quality Standards

AT&T argues that this Commission should establish quality standards and measurements for the provision of services and network elements by BellSouth to AT&T and set penalties for failure to meet these standards. It is BellSouth's position that this is neither necessary nor appropriate. While BellSouth is required to insure that the quality of interconnection provided to third parties is no less than the quality of service provided to itself, measures of quality are not unbundled network elements, nor are they a part of physical interconnection, which is what BellSouth has a duty to provide under the Act. For this reason, BellSouth submits that performance standards are not within the scope of §§ 251 and 252 of the Act and may not be imposed on BellSouth through arbitration. BellSouth could

voluntarily agree to standards and measures or liquidated damages for the failure to meet such standards, but may not be compelled to accept them.

Even if appropriate, or subject to arbitration, there is no factual basis upon which to formulate quality standards at this time. BellSouth believes that standards, if necessary, should be developed and allowed to evolve over time as BellSouth and AT&T collect information through experience upon which to base the standards and measurements. This is the way standards have been developed in the access arena; BellSouth believes it is likewise appropriate for the local service arena. In the meanwhile, BellSouth, consistent with its more reasonable view of parity, will provide services and access to network elements.

F. Wholesale Discount

The Act expressly sets out the methodology for determining the wholesale rate for BellSouth's retail services available for resale. The Act clearly and plainly states that the wholesale rate will be calculated on the basis of the "retail rates charged to subscribers for the telecommunications service requested, excluding the portion thereof attributable to any marketing, billing, collection and other costs that will be avoided by the local exchange carrier."[28] (emphasis added) This is the

[28] 47 U.S.C. § 252(d)(3).

guiding standard against which any calculation of a wholesale discount rate for LEC retail services must be measured.

In BellSouth's view, this provision means exactly what it says in plain English. In resolving AT&T's claims, the Commission must determine the costs BellSouth will avoid if AT&T resells a BellSouth service, and then, to the extent those costs comprise a portion of the retail rate, exclude them from the retail rate to get a wholesale rate. AT&T continues to argue these words mean something else entirely, i.e., costs that relate to retail functions. This is inconsistent with the Act.

BellSouth has developed an avoided cost study which fully complies with the standard for determining the wholesale discount rate to be applied to local exchange company (LEC) retail services for resale purposes under the Act. The Georgia Commission endorsed BellSouth's methodology as the correct mathematical approach.[29] AT&T's proposal in this docket is fundamentally flawed in a number of respects and does not comply with the standard set forth in the Act.

AT&T agrees that the Commission should determine the costs BellSouth will actually avoid, and eliminate these costs. However, AT&T goes further, much further. For example, it

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[29] The Georgia Commission adjusted BellSouth's study by including additional costs, as avoidable, in calculating the wholesale discount. The Georgia Commission's actions were not supported by the record. BellSouth has taken an appeal of the resale order.

advocates that any cost BellSouth incurs in dealing with the resold service which AT&T also incurs, such as product management costs, should also be treated as "avoidable" costs.

AT&T proposes additional discounts, to inflate artificially the wholesale discount. AT&T proposes a 15% operative parity adjustment (it was 10% in Georgia) and a 10-15% adjustment to "jump start" competition. In support of these adjustments, AT&T cites the provision of the Act which provides that nothing in this part precludes a State from imposing requirements on a telecommunications carrier for intrastate services that are necessary to further competition in the provision of telephone exchange service or exchange access, as long as the State's requirements are not inconsistent with this part or the Commission's regulations to implement this part. 47 U.S.C. § 261(c). (emphasis added) Congress' intent in framing the "avoided" cost standard was obviously to maintain the contribution the local exchange company would have otherwise recovered on services that are now resold. Increasing the discount above that level clearly is "inconsistent" with that intent. Apparently AT&T, in a blind adherence to its strategy of driving its recommended wholesale discount as high as possible, failed to see or read this provision. These additional adjustments are arbitrary, inconsistent with the very specific standard for pricing service for resale found in § 252(d) of the Act and are thus specifically prohibited by an appropriate

reading of the Act itself.

IV. UNBUNDLED NETWORK ELEMENTS

Unbundling is the offering of a network capability which can be used as a component of a comprehensive retail service. Each capability is provided on a stand-alone basis, without any requirement that the purchaser also take or purchase any other component. It is anticipated that the unbundled capabilities will be used primarily by facilities based carriers to complement their own network capabilities in order to provide a comprehensive service to end users. Section 251(c)(3) requires BellSouth to provide to any requesting telecommunications carrier for the provision of a telecommunication service, nondiscriminatory access to network elements on an unbundled basis at any technically feasible point. The following BellSouth positions are in compliance with that requirement.

BellSouth plans to provide access to all of the unbundled elements and capabilities required for a new entrant to provision local telephone service comparable to that provided by BellSouth. Initially, BellSouth has focused on the elements for which new entrants have indicated the greatest need. These elements include local loops (unbundled exchange lines), switching (ports), interoffice transport, Centralized Message Distribution System ("CMDS"), collocation (physical and virtual) and cross-connection, directory assistance, access to emergency services,

access to 800 database, access to operator services, directory listings and distribution, signaling, access to NXX codes, access to Line Identification Database Service ("LIDB"), access to poles, ducts, and conduits, and interim service provider number portability. It should be noted that this is not an exhaustive list; it is a starting point that should meet the requirements of new entrants for the next twelve months.

In its petition, AT&T asks the Commission to require BellSouth to provide twelve unbundled elements. Some have now been agreed upon. However, a number of AT&T's elements are actually sub-elements of the loop. The Act does not require sub-loop unbundling. The provision of these elements is technically infeasible at this time. AT&T refers to the technical unfeasibility, euphemistically, as involving "operational effort." This misses the mark. Each of the eight items identified by AT&T as unresolved is addressed below.

A. Sub-loop Unbundling of the Local Loop Facility is Not Technically Feasible.

The first four network elements identified by AT&T in its petition are sub-loop elements of the local loop (Network Interface Device, Loop Distribution, Loop Concentrator/Multiplexer, and Loop Feeder).

BellSouth's position is that unbundling of the Network Interface Device (NID) is not technically feasible in either residence or business applications. The Network Interface Device

(NID) is a single-line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit. The fundamental function of the NID is to establish the official network demarcation point between a carrier and its end-user customer. The NID features two independent chambers or divisions which separate the service provider's network from the customer's inside wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider, and the end-user customer each make their connections. The NID provides a protective ground connection for the distribution plant which is physically connected to it as required, at least for residential service, by the National Electrical Safety Code. If BellSouth's distribution plant is detached from the NID (to make the NID available to AT&T), BellSouth's plant is no longer grounded. This creates a hazardous situation.

Even if the Commission determines that it is technically feasible to unbundle the NID, BellSouth would be required to dispatch a technician to physically disconnect the distribution plant from the NID and establish a new ground for the plant (in all likelihood, a second NID). This additional expense would have to be recovered through the rate for an unbundled NID, if unbundling were technically feasible.

Beyond this, BellSouth's position is that the unbundling of the additional sub-loop elements is not technically feasible

until such time as operations systems enhancements are developed and accomplished that would eliminate the requirement for costly, manual "workarounds" in existing mechanized loop assignment and inventory systems. These "workarounds" are extensive, manual interventions into the mechanized processes to overcome automated assignment and inventory methods and thus allow the assignment and inventory of sub-loop elements. Further, in the case of loop concentrator/multiplexer, even after operations systems enhancements are accomplished, this element will be technically feasible only in extremely limited instances where non-integrated Digital Loop Carrier (DLC) equipment is deployed.

BellSouth agrees that system enhancements may make it technically feasible to unbundle these elements in the future and has agreed to continue to analyze the potential of providing this capability and related costs. When it is technically feasible to do so, these elements should and will be available on an unbundled basis at a fair and reasonable price that covers the cost of the things necessary to make them available to AT&T and others.

B. Local Switching/Operator Systems

The disagreement between BellSouth and AT&T regarding the provision of local switching capability starts as a definitional issue. Under § 271 of the Act, BellSouth has a duty to provide "local switching unbundled from transport, local loop

transmission, or other service."[30] BellSouth will provide this unbundled capability. A "switching port" provides an effective means to deliver to AT&T unbundled switching functionality. Inherent in switching, though, is routing to BellSouth's operator services, directory assistance and repair service platforms, as well as interoffice transport. This comports with the definition of unbundled local switching under the Act.

AT&T is actually requesting switching with the additional capability to route calls through a BellSouth switch to AT&T's services or platforms. The provision of local switching with this routing capability is not technically feasible today. The same analysis of providing routing capability, separate and apart from local switching, holds true for the provision of operator systems. When a carrier purchases unbundled local switching from BellSouth, that unbundled local switching carries with it routing to BellSouth's operator services platform. BellSouth provided a comprehensive report to the Georgia Public Service Commission regarding the technical feasibility of routing calls to AT&T's operator, and other network platforms in the context of resale, which is attached to this response. See Exhibit 6.

While AT&T argues that BellSouth has refused to "unbundle access to its Advanced Intelligence Network ("AIN") in such a way that AT&T can achieve parity...," AT&T has not identified in any

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[30] 47 U.S.C. § 271(c)(2)(B)(vi).

way the nature of the dispute. It is BellSouth's position that open access to its AIN can be accomplished, albeit in three phases. Phase I allows third parties access to BellSouth's service creation platform. Phase II provides interconnection of third party providers service platforms to BellSouth's AIN via a "gateway." Phase III provides for direct ISDN connection of third party providers service nodes to BellSouth's AIN.

* Transport (Dedicated/Common). BellSouth agrees that transport must be unbundled from switching. BellSouth offers transport that meets AT&T's (and the Act's) requirements for interoffice transport unbundled from switching via its Special Access tariffs. The disagreement on the provision of local transport centers around the issue of routing, independent of switching. When an entrant, like AT&T, obtains local switching from BellSouth in the form of the switching port, it carries with it access to BellSouth interoffice transport. The discussion of the technical infeasibility of such an arrangement, and BellSouth's efforts to accommodate AT&T, can be found in the part of this response addressing local switching/operator systems.

C. Unbundled Network Elements Should Not Be Priced at Total Service Long Run Incremental Cost ("TSLRIC")

AT&T argues that the Act requires local interconnection be priced at cost. That argument is absolutely incorrect. Section 252(d)(1) of the Act states that the rates for interconnection and network element charges:

"(A) shall be --

"(i) based on the cost (determined without reference to a rate-of-return or other rate-based proceeding) of providing the interconnection or network element (whichever is applicable), and

"(ii) nondiscriminatory, and

"(B) may include a reasonable profit."

Apparently, AT&T equates the term "based on cost" with the term "at cost", an equation that is totally unsound. Webster's New Collegiate Dictionary (Merriam Co., 1975) defines "base" as "the bottom of something considered as its support - foundation", and "on" as "a function word to indicate a position over and in contact with." "At" is defined as "a function word to indicate presence or occurrence in, on or near." (emphasis added).

If all services provided by BellSouth were priced at TSLRIC, BellSouth would not recover all of its costs much less make a profit.[31] BellSouth must, again like any firm, recover its joint and common costs (collectively referred to as "shared costs") in addition to the direct costs of providing individual services. There is no reason to artificially constrain some services or network elements from providing a contribution toward the recovery of joint and common costs. Such an approach is not

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[31] TSLRIC studies incorporate a return on investment. This is not profit. Return on investment is actually a cost. Moreover, until a firm has recovered all of its costs, which it would not if it charged a price agreed to TSLRIC for its services, it is nonsensical to discuss profit.

required by the Act.

Joint and common costs are required to make a modern telecommunications company, or any business, work and to keep it going. Many of these shared costs relate to the operation and maintenance of the very network which AT&T wishes to have access to on an unbundled basis. These costs are necessary to the operation of the network. Shared and common costs, however, cannot be attributed to any single or specific piece part of the network and are not captured in BellSouth's incremental cost studies. Importantly, the greater the efficiencies of sharing facilities and costs (economies of scope), the larger the shared costs of the firm and the greater the need to price services in excess of incremental cost. Essentially, AT&T wants the benefit of BellSouth's economies of scope but does not want to contribute toward BellSouth's recovery of the shared and common costs creating those efficiencies.

V. AT&T'S ADDITIONAL INTERCONNECTION REQUIREMENTS

A. Access to Rights of Way, Conduits and Pole Attachments

Section 251(b)(4) states that BellSouth has the duty to "afford access to poles, ducts, conduits, and rights-of-way". BellSouth has agreed to provide access to its pole, ducts, conduits and rights of way pursuant to the requirements of § 224 as amended by § 703 of the Act, subject to limitations imposed

due to BellSouth's own reasonable forecasted needs. AT&T's requests go far beyond any requirement in the Act.

B. Number Portability

In Florida Commission Docket No. 950985-TP, BellSouth noted its support for the use of solutions such as Remote Call Forwarding (RCF) and Direct Inward Dialing (DID). BellSouth believes that these arrangements are adequate to meet the needs of the carriers. In its petition, AT&T, for the first time, is seeking a third means of interim number portability. Although not required by the Act, BellSouth is analyzing the feasibility and desirability of providing this additional feature.

AT&T also argues that BellSouth should coordinate number changes to limit the time customers are out of service during the switchovers to no more than five minutes. BellSouth has agreed to coordinate number changes to the extent reasonably possible. BellSouth, however, cannot, and is not required under the federal Act, to guarantee no disruptions for service or that disruptions, if any, will never exceed five minutes.

C. BellSouth's Two Way Trunk Interconnection

BellSouth will provide interconnection pursuant to § 251(c) of the Act and anticipates that AT&T will interconnect with BellSouth pursuant to § 251(a) of the Act. AT&T may order one way trunks for interconnection. BellSouth intends to order one

way trunks. If AT&T and BellSouth mutually agree, two way trunks could be used. Neither company, however, should dictate the use of two way trunks to the other. BellSouth understands that AT&T regards this issue as now resolved on this basis.

VI. INTERCONNECTION SERVICES

A. Mandatory Mutual Traffic Exchange for Local Interconnection is Prohibited by Law

The Commission is familiar with this issue, as alluded to by AT&T. However, the Commission's decision in the matter ordering "bill and keep" is not final. BellSouth intends to take an appeal of the order in Docket No. 950985-TP for the reasons stated and the grounds asserted in its Motion for Reconsideration which is incorporated into this response by reference. BellSouth maintains that the appropriate rate level for the transport and termination of local calls is switched access.

BellSouth's proposed rate is consistent with the pricing standard in § 252(d) of the Act. The pricing standards for the transport and termination of traffic provide that reciprocal compensation is considered just and reasonable when "such terms and conditions provide for the mutual and reciprocal recovery by each carrier of costs associated with the transport and termination on each carrier's network facilities of calls that originate on the network facilities of the other carrier; and, such terms and conditions determine such costs on the basis of a

reasonable approximation of the additional costs of terminating such calls."[32]

BellSouth, however, has negotiated a number of agreements in Florida for interconnection based on switched access, minus the non-traffic sensitive rate elements (Residual Interconnection Charge "RIC" and Carrier Common Line "CCL" charge), approximately $.01 per minute. Further, BellSouth has negotiated to cap at 105% the number of minutes for which one party must compensate the other based on the lowest number of minutes carried between them. BellSouth has offered these same terms, rates and conditions to AT&T. AT&T, however, has been unwilling to accept them.

B. Pricing for Interexchange Carriers Interconnection is Not Within the Scope of §§ 251 and 252 of the Act

AT&T argues in its petition that the Act requires that the price of exchange access should be based on TSLRIC. This is incorrect. The Telecommunications Act of 1996 has no effect on BellSouth's provision of access services through which AT&T originates or terminates the interexchange calls of its customers. Specifically, the Congressional conference committee rejected the H.R. 1555 approach of dealing with local interconnection matters through expansion of the existing statutory framework regarding services found in 47 U.S.C.§ 201.

[32] 47 U.S.C. § 252(d)(2)(A).

Instead, the conference committee adopted a new model for local interconnection in the new Section 251. The adoption of the new model left Section 201 unaltered. Section 201 governs the provision by BellSouth of access services to AT&T.[33]

The Telecommunications Act of 1996 does not impose a duty on BellSouth to negotiate with AT&T for the provision of exchange access services, nor does it permit AT&T to submit this issue to the Florida Commission for arbitration. This is typical of AT&T's "throw it all against the wall, maybe half will stick" approach.

VII. CONCLUSION

As set forth above, BellSouth has made every effort to successfully negotiate an interconnection agreement with AT&T, just as it has with numerous other companies in Florida and elsewhere. AT&T has responded to these good faith efforts with intransigence and a seemingly endless flood of unreasonable demands. BellSouth submits that its position, on each and every disputed issue detailed above is consistent with the requirements of the federal Act, reasonable and well founded. Accordingly, BellSouth requests that, at the conclusion of the instant

[33] 47 U.S.C. § 251(i) specifically preserves Section 201 authority for other purposes, such as dealing with interexchange access matters.

proceeding, this Commission enter an Order sustaining BellSouth's position in every regard.

Respectfully submitted this 9th day of August, 1996.

BELLSOUTH TELECOMMUNICATIONS, INC.

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REMARKS: ☒ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Preston,

Per our contract negotiations schedule, attached is the list of items found in AT&T's June 28, 1996 contract proposal that BellSouth believes are associated with the mediation process our companies are engaged in and therefore should be resolved in that forum. Additional items may be added to this list as a result of the items AT&T plans to add to the mediation discussions.

I have also included mediation items found in Attachments 2 and 5. Other attachments are under review or revision.

Please call me if you have any questions.

Suzie

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AGREEMENT

between

BellSouth Telecommunications, Inc.

and

AT&T Corp.

Effective Date: _____, 1996

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PREFACE

AGREEMENT

This Agreement, which shall become effective as of the ____ day of _____, 1996, is entered into by and between AT&T Corp., a New York Corporation, having an office at 295 North Maple Avenue, Basking Ridge, New Jersey 07920, on behalf of itself, and its Affiliates **[need to more about intent]** (individually and collectively "AT&T"), and BellSouth Telecommunications, Inc. ("BellSouth"), a Georgia corporation, having an office at 675 West Peachtree Street, Atlanta, Georgia, 30375, ~~on behalf of itself, and its Affiliates.~~

RECITALS

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

WHEREAS, the Act places certain duties and obligations upon, and grants certain rights to Telecommunications Carriers; and

WHEREAS, BellSouth is an Incumbent Local Exchange Carrier ~~or has a majority ownership interest in local exchange companies which are Incumbent Local Exchange Carriers~~; and

WHEREAS, BellSouth is willing to provide interconnection, unbundled network elements~~, ancillary functions and additional features,~~ access to poles, ducts, conduits and rights of way, and collocation of equipement and facilities within BellSouth central offices, as well as Telecommunications Services for resale, on the terms and subject to the conditions of this Agreement; and

WHEREAS, AT&T is a Telecommunications Carrier and has requested that BellSouth negotiate an Agreement with AT&T for the provision of interconnection, unbundled network elements, ancillary functions and additional features as well as Telecommunications Services for resale, pursuant to the Act and in conformance with BellSouth's duties under the Act; and

WHEREAS, the parties have arrived at this Agreement through voluntary negotiations undertaken pursuant to the Act,

NOW, THEREFORE, in consideration of the promises and the mutual covenants of this Agreement, AT&T and BellSouth hereby agree as follows:

DEFINITIONS and ACRONYMS

For purposes of this Agreement, certain terms have been defined in Attachment 11 and elsewhere in this Agreement to encompass meanings that may differ from, or be in addition to, the normal connotation of the defined word. Unless the context clearly indicates otherwise, any term defined or used in the singular shall include the plural. The words "shall" and "will" are used interchangeably throughout this Agreement and the use of either connotes a mandatory requirement. The use of one or the other shall not mean a different degree of right or obligation for either Party. A defined word intended to convey its special meaning is capitalized when used. Other terms that are capitalized, and not defined in this Agreement, shall have the meaning in the Act. For convenience of reference only and therefore not incorporated herein by this reference, Attachment 10 provides a list of acronyms used throughout this Agreement.

GENERAL TERMS AND CONDITIONS

1. **Provision of Local Service and Unbundled Network Elements**

This Agreement sets forth the terms, conditions and prices under which BellSouth agrees to provide (a) Telecommunications Service that BellSouth currently provides, or may offer hereafter for resale along with the Support Functions and Service Functions set forth in this Agreement (hereinafter collectively referred to as "Local Services"); ~~and~~ (b) certain unbundled Network Elements, ~~Ancillary Functions and additional features to AT&T (hereinafter collectively referred to as "Network Elements")~~ or combinations of such Network Elements ("Combinations") for the transmission and routing of telephone exchange service ~~for AT&T's own use or~~ for resale to others, and (c) access to poles, ducts and conduits owned or controlled by BellSouth, and collocation of AT&T equipement and facilities in BellSouth's central offices ~~and~~ for purposes of offering ~~voice, video, or data services of any kind, including, but not limited to, local exchange services, intrastate toll services, and intrastate and interstate exchange access services~~ local exchange and exchange access services. This Agreement also sets forth the terms and conditions for the interconnection of AT&T's network to BellSouth's network and the mutual and reciprocal compensation for the transport and termination of telecommunications. ~~BellSouth may fulfill the requirements imposed upon it by this Agreement by itself or may cause its Affiliates to take such actions to fulfill the responsibilities~~. This Agreement includes Parts I through IV, and their Attachments 1 - 13 and all accompanying Appendices. Unless otherwise provided in this Agreement, BellSouth will perform all of its obligations hereunder throughout its entire service area. ~~The Network Elements, Combinations or Local Services provided pursuant to this Agreement may be~~

~~connected to other Network Elements, Combinations or Local Services provided by BellSouth or to any Network Elements, Combinations or Local Services provided by AT&T itself or by any other vendor. Subject to the requirements of this Agreement, AT&T may, at any time add, delete, relocate or modify the Local Services, Network Elements or Combinations purchased hereunder. BellSouth will not discontinue any Network Element, Combination or Local Service provided hereunder without the prior written agreement of AT&T.~~

2. **Term of Agreement**

A. When executed by authorized representatives of BellSouth and AT&T, this A shall become effective as of the Effective Date stated above, and shall expire three (3) years from the Effective Date.~~with the provisions of this Agreement. BellSouth shall give AT&T notice of the impending expiration of this Agreement (or any renewable term thereof) ninety (90) days before such expiration. AT&T shall have the right to extend the term of this Agreement, in its sole discretion, for successive one year periods ("Renewal Year") upon expiration of the initial term or any subsequent Renewal Year. Each renewal shall be effective upon notice to BellSouth by AT&T. At the expiration of the term of this Agreement, or any renewal thereof, this Agreement shall continue in effect, on a month to month basis, at the same terms, conditions and prices as those in effect at the end of the latest term, or renewal, until terminated by AT&T.~~

B. The parties agree that by no later than _____, they shall commence negotiations with regard to the terms, conditions and prices of local interconnection to be effective beginning _____.

C. If, within 135 days of commencing the negotiation referred to in Section II (B) above, the parties are unable to satisfactorily negotiate new local interconnection terms, conditions and prices, either party may petition the Commission to establish appropriate local interconnection arrangements pursuant to 47 U.S.C. 252. The parties agree that, in such event, they shall encourage the Commission to issue its order regarding the appropriate local interconnection arrangements no later than _____. The parties further agree that in the event the Commission does not issue its order prior to _____ or if the parties continue beyond _____ to negotiate the local interconnection arrangements without Commission intervention, the terms, conditions and prices ultimately ordered by the Commission, or negotiated by the parties, will be effective retroactive to _____. Until the revised local interconnection arrangements become effective, the parties shall continue to exchange traffic pursuant to the terms and conditions of this Agreement.

3. **Termination of Agreement; Transitional Support**

3.1 ~~AT&T may elect at any time to terminate this entire Agreement at AT&T's sole discretion, upon sixty (60) days written notice to BellSouth. In such case, AT&T's liability shall be limited to payment of the amounts due for Network Elements, Combinations and Local Services provided up to and including the date of termination. BellSouth recognizes that the Network Elements, Combinations and Local Services provided hereunder are vital to AT&T and must be continued without interruption, and that upon the termination or expiration of this Agreement, AT&T may itself provide or retain another vendor to provide such comparable Network Elements, Combinations or Local Services. BellSouth agrees to cooperate in an orderly and efficient transition to AT&T or another vendor. BellSouth further agrees to coordinate the orderly transition to AT&T or another vendor such that the level and quality of the Network Elements, Combinations and Local Services is not degraded and to exercise its best efforts to effect an orderly and efficient transition.~~

3.1 AT&T may terminate any Local Service(s), Network Element(s) or Combination(s) provided under this Agreement upon thirty (30) days written notice to BellSouth unless a different notice period or different conditions are specified for termination of such Local Service(s), Network Element(s) or Combination(s) in this Agreement or pursuant to any applicable tariff, in which event such specific period and conditions shall apply.

3.2 If a Party is in breach of a material term or condition of this Agreement ("Defaulting Party"), the other Party shall provide written notice of such breach to the Defaulting Party. The Defaulting Party shall have ten (10) business days from receipt of notice to cure the breach. If the breach is not cured, the Parties shall follow the dispute resolution procedure of Section 16 and Attachment 1. If the Arbitrator determines that a breach has occurred and the Defaulting Party fails to comply with the decision of the Arbitrator within the time period provided by the Arbitrator (or a period of thirty (30) days if no time period is provided for in the Arbitrator's order), this Agreement may be terminated by the other Party upon sixty (60) days prior written notice.

4. **Good Faith Performance**

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

5. **Option to Obtain Local Services, Network Elements and Combinations Under Other Agreements**

If as a result of any proceeding or filing before any Court, State Commission, or the Federal Communications Commission, voluntary agreement or arbitration proceeding pursuant to the Act or pursuant to any applicable state law, BellSouth becomes obligated to provide Local Services, Network Elements or Combinations, whether or not presently covered by this Agreement, to a third party at rates or on terms and conditions more favorable to such third party then the applicable provisions of this Agreement, AT&T shall have the option to substitute, in whole ~~or in part~~, such more favorable rates, terms, or conditions for the relevant provisions of this Agreement which shall apply to the same States as such other party, and such substituted rates, terms or conditions shall be deemed to have been effective under this Agreement as of the effective date thereof. ~~BellSouth shall provide to AT&T any BellSouth agreement between BellSouth and any third party existing as of the Effective Date of this agreement within five (5) days of the Effective Date or, within five (5) days after the execution of any such agreement, whichever is earlier.~~ **~~[Pre-Act agreements are subject to negotiation]~~**

6. **Responsibility of Each Party**

Each Party is an independent contractor, and has and hereby retains the right to exercise full control of and supervision over its own performance of its obligations under this Agreement and retains full control over the employment, direction, compensation and discharge of all employees assisting in the performance of such obligations. Each Party will be solely responsible for all matters relating to payment of such employees, including compliance with social security taxes, withholding taxes and all other regulations governing such matters. Each Party will be solely responsible for proper handling, storage, transport and disposal at its own expense of all (i) substances or materials that it or its contractors or agents bring to, create or assume control over at Work Locations or, (ii) Waste resulting therefrom or otherwise generated in connection with its or its contractors' or agents' activities at the Work Locations. Subject to the limitations on liability and except as otherwise provided in this Agreement, each Party shall be responsible for (i) its own acts and performance of all obligations imposed by Applicable Law in connection with its activities, legal status and property, real or personal and, (ii) the acts of its own affiliates, employees, agents and contractors during the performance of that Party's obligations hereunder.

7. **Governmental Compliance**

AT&T and BellSouth each shall comply at its own expense with all Applicable Law that relates to (i) its obligations under or activities in connection with this Agreement or (ii) its activities undertaken at, in connection with or relating to Work Locations. AT&T and BellSouth each agree to indemnify, defend (at the other party's request) and save harmless the other, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys' fees) that arise out of or result from (i) its failure or the failure of its contractors or agents to so comply or (ii) any activity, duty or status of it or its contractors or agents that triggers any legal obligation to investigate or remediate environmental contamination. ~~BellSouth shall accept orders for Local Service, Network Elements or Combinations in accordance with the Federal Communications Commission Rules or State Commission Rules.~~ BellSouth, at its own expense, will be solely responsible for obtaining from governmental authorities, building owners, other carriers, and any other persons or entities, all rights and privileges (including, but not limited to, space and power), which are necessary for BellSouth to provide the Network Elements, Local Services and Combinations pursuant to this Agreement. Notwithstanding the foregoing, in no event shall BellSouth be responsible or required to obtain rights and privileges from governmental authorities, building owners, other carriers and any other persons or entities which are necessary for AT&T to provide telecommunications services.

BellSouth shall accept orders for Local Service, Network Elements or Combinations in accordance with the Federal Communications Commission Rules or State Commission Rules.

8. **Responsibility For Environmental Contamination**

8.1 AT&T shall in no event be liable to BellSouth for any costs whatsoever resulting from the presence or Release of any Environmental Hazard that AT&T did not introduce to the affected Work Location, so long as AT&T's actions do not cause or substantially contribute to the Release. BellSouth shall indemnify, defend (at AT&T's request) and hold harmless AT&T, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys' fees) that arise out of or result from (i) any Environmental Hazard that BellSouth, its contractors or agents introduce to the Work Locations or (ii) the presence or Release of any Environmental Hazard for which BellSouth is responsible under Applicable Law, to the extent the Release is not caused or substantially contributed to by AT&T's actions.

8.2 BellSouth shall in no event be liable to AT&T for any costs whatsoever resulting from the presence or Release of any Environmental Hazard that BellSouth did not introduce to the affected Work Location so long as

BellSouth's actions do not cause or substantially contribute to the Release. AT&T shall indemnify, defend (at BellSouth's request) and hold harmless BellSouth, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys' fees) that arise out of or result from (i) any Environmental Hazard that AT&T, its contractors or agents introduce to the Work Locations or (ii) the presence or Release of any Environmental Hazard for which AT&T is responsible under Applicable Law, to the extent the Release is not caused or substantially contributed to by BellSouth's actions.

9. **Regulatory Matters**

9.1 BellSouth shall be responsible for obtaining and keeping in effect all Federal Communications Commission, State Commissions, franchise authority and other regulatory approvals that may be required in connection with the performance of its obligations under this Agreement. AT&T shall be responsible for obtaining and keeping in effect all Federal Communications Commission, state regulatory commission, franchise authority and other regulatory approvals that may be required in connection with its offering of services to AT&T Customers contemplated by this Agreement. ~~AT&T shall reasonably cooperate with BellSouth in obtaining and maintaining any required approvals for which BellSouth is responsible, and BellSouth shall reasonably cooperate with AT&T in obtaining and maintaining any required approvals for which AT&T is responsible.~~ **[Need further explanation as to intent]**

~~9.2~~ ~~In the event that BellSouth is required by any governmental authority to file a tariff or make another similar filing in connection with the performance of any action that would otherwise be governed by this Agreement, BellSouth shall (i) consult with AT&T reasonably in advance of such filing about the form and substance of such filing, (ii) provide to AT&T its proposed tariff and obtain AT&T's agreement on the form and substance of such tariff prior to such filing, and (iii) take all steps reasonably necessary to ensure that such tariff or other filing imposes obligations upon BellSouth that are no less favorable than those provided in this Agreement and preserves for AT&T the full benefit of the rights otherwise provided in this Agreement. In no event shall BellSouth file any tariff that purports to govern Local Service, Network Elements or Combinations that is inconsistent with the rates and other terms and conditions set forth in this Agreement, unless such rate or other terms and conditions are more favorable than those set forth in this Agreement. If, subsequent to the effective date of any such tariff, BellSouth is ordered not to file tariffs with the State regulatory commission or the Federal Communications Commission, or is permitted not to file tariffs (and elects not to do so), either generally or for specific Network Elements, Combinations or Local Services, the terms and conditions of such tariffs as of the date on which the requirement to file such tariffs was lifted shall, to the degree not~~

~~inconsistent with this Agreement, be deemed incorporated in this Agreement by reference.~~

9.2 In the event that any final and nonappealable legislative, regulatory, judicial or other legal action materially affects any material terms of this Agreement, or the ability of AT&T or BellSouth to perform any material terms of this Agreement, AT&T or BellSouth may, on thirty (30) days' written notice (delivered not later than thirty (30) days following the date on which such action has become legally binding and has otherwise become final and nonappealable) require that such terms be renegotiated, and the parties shall renegotiate in good faith such mutually acceptable new terms as may be required. In the event that such new terms are not renegotiated within ninety (90) days after such notice, the Dispute shall be referred to the Alternative Dispute Resolution procedures set forth in Attachment 1.

10. **Liability and Indemnity**

~~10.1~~ ~~Liabilities of BellSouth - The liability of BellSouth to AT&T during any contract year resulting from any and all causes other than as specified in Section 12 (and the attachment referenced in that Section), Sections 7, 8, and 10.4, and Attachments 1 and 7 (Appendix 1), shall not exceed the amounts owing AT&T during the contract year in which such cause arises or accrues.~~

~~Liabilities of AT&T - The liability of AT&T to BellSouth during any contract year resulting from and all causes, other than as specified in Sections 7, 8, and 10.4 and Attachment 1, shall not exceed the amounts owing BellSouth during the contract year in which such cause arises or occurs.~~

With respect to any claim or suit, whether based in contract, tort or any other theory of legal liability, by AT&T, an AT&T customer or by any other person or entity, for damages associated with any of the services provided by BellSouth pursuant to or in connection with this Agreement, including but not limited to the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of the remainder of this Article, BellSouth's liability shall not limited to an amount equal to the proportionate charge for the service provided pursuant to this Agreement for the period during which the service was affected. Notwithstanding the foregoing, claims for damages by AT&T, any AT&T customer, or any other person or entity resulting from the gross negligence or willful misconduct of BellSouth shall not be subject to such limitation of liability.

With respect to any claim or suit, whether based in contract, tort or any other theory of legal liability, by BellSouth, a BellSouth customer or by any other person or entity, for damages associated with any of the services provided by

AT&T pursuant to or in connection with this Agreement, including but not limited to the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of the remainder of this Article XX, AT&T's liability shall not limited to an amount equal to the proportionate charge for the service provided pursuant to this Agreement for the period during which the service was affected. Notwithstanding the foregoing, claims for damages by BellSouth, any BellSouth customer, or any other person or entity resulting from the gross negligence or willful misconduct of AT&T shall not be subject to such limitation of liability.

Notwithstanding the foregoing, the party providing services under this Agreement, its affiliates, and its parent company shall be indemnified, defended and held harmless by the party receiving such services against any claim, loss or damage arising from the receiving party's use of the services provided under this Agreement, involving: 1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the receiving party's own communications; 2) any claim, loss, or damage claimed by the receiving party's customer(s) arising from such customer's use of any service, including 911/E911, that the customer has obtained from the receiving party and that the receiving party has obtained from the supplying party under this Agreement; or 3) all other claims arising out of an act or omission of the receiving party in the course of using services provided pursuant to this Agreement. Notwithstanding the foregoing, to the extent that a claim, loss or damage is caused by the gross negligence or willful misconduct of a supplying party the receiving party shall have no obligation to indemnify, defend and hold harmless the supplying party hereunder.

~~10.1~~

10.1 **No Consequential Damages** - NEITHER AT&T NOR BELLSOUTH SHALL BE LIABLE TO THE OTHER PARTY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, RELIANCE, OR SPECIAL DAMAGES SUFFERED BY SUCH OTHER PARTY (INCLUDING WITHOUT LIMITATION DAMAGES FOR HARM TO BUSINESS, LOST REVENUES, LOST SAVINGS, OR LOST PROFITS SUFFERED BY SUCH OTHER PARTIES), REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, WARRANTY, STRICT LIABILITY, OR TORT, INCLUDING WITHOUT LIMITATION NEGLIGENCE OF ANY KIND WHETHER ACTIVE OR PASSIVE, AND REGARDLESS OF WHETHER THE PARTIES KNEW OF THE POSSIBILITY THAT SUCH DAMAGES COULD RESULT. EACH PARTY HEREBY RELEASES THE OTHER PARTY AND SUCH OTHER PARTY'S SUBSIDIARIES AND AFFILIATES, AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES AND AGENTS FROM ANY SUCH CLAIM. NOTHING CONTAINED IN THIS SECTION 10 SHALL LIMIT BELLSOUTH'S OR AT&T'S

LIABILITY TO THE OTHER FOR (i) WILLFUL OR INTENTIONAL MISCONDUCT (INCLUDING GROSS NEGLIGENCE); ~~(ii) BODILY INJURY, DEATH OR DAMAGE TO TANGIBLE REAL OR TANGIBLE PERSONAL PROPERTY PROXIMATELY CAUSED BY BELLSOUTH'S OR AT&T'S NEGLIGENT ACT OR OMISSION OR THAT OF THEIR RESPECTIVE AGENTS, SUBCONTRACTORS OR EMPLOYEES,~~ NOR SHALL ANYTHING CONTAINED IN THIS SECTION 10 LIMIT THE PARTIES INDEMNIFICATION OBLIGATIONS, AS SPECIFIED BELOW. ~~FOR PURPOSES OF THIS SECTION 10, AMOUNTS DUE AND OWING TO AT&T PURSUANT TO SECTION 12 (REMEDIES FOR FAILURE TO MEET DMOQS) AND THE ATTACHMENT REFERENCED IN THAT SECTION SHALL NOT BE CONSIDERED TO BE INDIRECT, INCIDENTAL, CONSEQUENTIAL, RELIANCE, OR SPECIAL DAMAGES.~~

10.2 **Obligation to Indemnify** - Each party shall, and hereby agrees to, defend at ~~the other's request, indemnify and hold harmless the other party and each of its officers, directors, employees and agents (each, an "Indemnitee") against and in respect of any loss, debt, liability, damage, obligation, claim, demand, judgement or settlement of any nature or kind, known or unknown, liquidated or unliquidated, including without limitation all reasonable costs and expenses incurred (legal, accounting or otherwise) (collectively, "Damages") arising out of, resulting from or based upon any pending or threatened claim, action, proceeding or suit by any third party (a "Claim") (i) alleging any breach of any representation, warranty or covenant made by such indemnifying party (the "Indemnifying Party") in this Agreement, (ii) based upon injuries or damage to any person or property or the environment arising out of or in connection with this Agreement that are the result of the Indemnifying Party's actions, breach of Applicable Law, or status or the actions, breach of Applicable Law, or status of its employees, agents and subcontractors, or (iii) for actual or alleged infringement of any patent, copyright, trademark, service mark, trade name, trade dress, trade secret or any other intellectual property right, now known or later developed (referred to as "Intellectual Property Rights") to the extent that such claim or action arises from AT&T or AT&T's Customer's use of the Local Services, Network Elements or Combinations provided under this Agreement.~~

10.3 **Obligation to Defend; Notice; Cooperation** - Whenever a Claim shall arise for indemnification under this Section 10, the relevant Indemnitee, as appropriate, shall promptly notify the Indemnifying Party and request the Indemnifying Party to defend the same. Failure to so notify the Indemnifying Party shall not relieve the Indemnifying Party of any liability that the Indemnifying Party might have, except to the extent that such failure prejudices the Indemnifying Party's ability to defend such Claim. The Indemnifying Party shall have the right to defend against such liability or assertion in which event the Indemnifying Party shall give written notice to the Indemnitee of acceptance of the defense of such Claim and the identity of

counsel selected by the Indemnifying Party. Except as set forth below, such notice to the relevant Indemnitee shall give the Indemnifying Party full authority to defend, adjust, compromise or settle such Claim with respect to which such notice shall have been given, except to the extent that any compromise or settlement shall prejudice the Intellectual Property Rights of the relevant Indemnitees. The Indemnifying Party shall consult with the relevant Indemnitee prior to any compromise or settlement that would affect the Intellectual Property Rights or other rights of any Indemnitee, and the relevant Indemnitee shall have the right to refuse such compromise or settlement and, at the refusing party's or refusing parties' cost, to take over such defense, provided that in such event the Indemnifying Party shall not be responsible for, nor shall it be obligated to indemnify the relevant Indemnitee against, any cost or liability in excess of such refused compromise or settlement. With respect to any defense accepted by the Indemnifying Party, the relevant Indemnitee shall be entitled to participate with the Indemnifying Party in such defense if the Claim requests equitable relief or other relief that could affect the rights of the Indemnitee and also shall be entitled to employ separate counsel for such defense at such Indemnitee's expense. ~~In the event the Indemnifying Party does not accept the defense of any indemnified Claim as provided above, the relevant Indemnitee shall have the right to employ counsel for such defense at the expense of the Indemnifying Party~~. Each party agrees to cooperate and to cause its employees and agents to cooperate with the other party in the defense of any such Claim and the relevant records of each party shall be available to the other party with respect to any such defense.

11. **Audits and Inspections**

11.1 ~~Subject to BellSouth's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, AT&T may audit BellSouth's books, records and other documents once in each Contract Year for the purpose of evaluating the accuracy of BellSouth's billing and invoicing. AT&T may employ other persons or firms for this purpose. Such audit shall take place at a time and place agreed on by the Parties no later than thirty (30) days after notice thereof to BellSouth~~. The current audit and inspection process for CABS will be applicable to the CABS billing necessary for the implementation of this Agreement. AT&T's resale billing account will be held to the same quality controls and measurements as that provided to BellSouth's end users. BellSouth will make available to AT&T customer service record information such as USOCs, etc. on AT&T's resale customer accounts for the purpose of evaluating the accuracy of BellSouth's billing. Where it is agreed upon by the parties that a billing error has occurred, BellSouth will promptly issue a credit adjustment.

~~11.1~~ ~~BellSouth shall promptly correct any billing error that is revealed in an audit, including making refund of any overpayment by AT&T in the form of a credit on the invoice for the first full billing cycle after the Parties have agreed upon the accuracy of the audit results. Any Disputes concerning audit results shall be resolved pursuant to the Alternate Dispute Resolution procedures described in Attachment 1.~~

~~11.1~~ ~~BellSouth shall cooperate fully in any such audit, providing reasonable access to any and all appropriate BellSouth employees and books, records and other documents reasonably necessary to assess the accuracy of BellSouth's bills.~~

~~11.1~~ ~~AT&T may audit BellSouth's books, records and documents more than once during any Contract Year if the previous audit found previously uncorrected net variances or errors in invoices in BellSouth's favor with an aggregate value of at least two percent (2%) of the amounts payable by AT&T for Local Services, Network Elements or Combinations provided during the period covered by the audit.~~

~~11.1~~ ~~Audits shall be at AT&T's expense, subject to reimbursement by BellSouth in the event that an audit finds an adjustment in the charges or in any invoice paid or payable by AT&T hereunder by an amount that is, on an annualized basis, greater than two percent (2%) of the aggregate charges for the Local Services, Network Elements and Combinations during the period covered by the audit.~~

~~11.1~~ ~~Upon (i) the discovery by BellSouth of overcharges not previously reimbursed to AT&T or (ii) the resolution of disputed audits, BellSouth shall promptly reimburse AT&T the amount of any overpayment times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date of overpayment to and including the date that payment is actually made. In no event, however, shall interest be assessed on any previously assessed or accrued late payment charges.~~

~~11.1~~ ~~Subject to BellSouth's's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, AT&T may inspect once, in each Contract Year, BellSouth's's books, records and other documents related in any way to the Local Services, Network Elements or Combinations provided to AT&T for the purpose of evaluating BellSouth's's compliance with the terms and conditions of this Agreement, in addition to the financial audit rights provided above. AT&T may employ other persons or firms for this purpose.~~

12. **Remedies for Failure to Meet DMOQs**

12.1 In providing Local Services, Network Elements and Combinations, BellSouth will provide AT&T with at least the capability to provide an AT&T customer with the same experience as BellSouth provides its own customers. BellSouth shall satisfy all service standards, measurements, performance requirements, and Direct Measures of Quality (collectively referred to herein as "DMOQs") that are specified in this Agreement. In addition, BellSouth's performance under this Agreement shall provide AT&T with the capability to meet standards or other measurements that are at least equal to the highest level that BellSouth provides or is required to provide by law or its own internal procedures. In the event that the DMOQs specified in the Agreement are different than the standards or measurements that BellSouth provides or is required to provide by law or its own internal procedures, the highest DMOQ, standard or measurement shall apply.

12.2 BellSouth and AT&T agree that delays in the provision of Local Services, Network Elements or Combinations, failures to meet the DMOQs required by this Agreement and delays in providing Customer Usage Data in accordance with the requirements of this Agreement, will cause AT&T to suffer damages, the amount of which cannot easily be determined.

12.2 In the event that any Network Element, Combination or Local Service is not installed or provisioned in accordance with the Due Dates specified in this Agreement, BellSouth shall grant AT&T a credit ("Delay Credit") calculated as provided in Attachment 12 of this Agreement.

12.2 In the event that a Network Element, a Combination or a Local Service fails to meet the DMOQ requirements imposed by this Agreement (or is interrupted causing loss of continuity or functionality), BellSouth shall grant AT&T a credit ("Performance Failure Credit"), as set forth in Attachment 12 of this Agreement.

12.2 In the event that Customer Usage Data is not provided within the time period required by this Agreement, or in the event that Customer Usage Data is not provided in accordance with the specifications of this Agreement, BellSouth shall grant AT&T a credit ("Customer Usage Credit") calculated as provided in Attachment 12 of this Agreement.

12.2 AT&T also shall have the option to obtain an alternative Network Element, Combination or Local Service from BellSouth to replace any Network Element(s), Combination(s) or Local Service(s) for which a Performance Failure Credit or Delay Credit is due. BellSouth will be responsible for any amounts (including installation charges) in excess of the otherwise applicable charges under this Agreement for the affected Network Element, Combination or Local Service. AT&T may obtain an alternative Network Element, Combinations or Local Service from another vendor. AT&T shall choose the

~~least costly Network Element, Combination or Local Service provided by such vendor that reasonably meets its needs, shall subscribe to such Network Element, Combinations or Local Services for the minimum commercially available period and shall move all affected traffic to the newly installed, repaired or restored Network Element, Combinations or Local Services as soon as possible after the end of such period. BellSouth shall be fully responsible for all obligations and shall pay in full all charges associated with the cost of such replacement Network Element, Combinations or Local Services.~~

~~12.2~~ ~~BellSouth and AT&T agree that remedies at law alone are inadequate to compensate AT&T for failures to meet the DMOQ requirements specified by this Agreement, failures to install or provision Network Elements, Combinations or Local Services in accordance with the Due Dates specified in this Agreement, or for failures to provide Customer Usage Data in accordance with this Agreement. AT&T shall have the right to seek injunctive relief and other equitable remedies (in addition to remedies provided in this Agreement, at law and through administrative process) to require BellSouth (1) to cause the Network Elements, Combinations or Local Services ordered by AT&T to meet the DMOQ requirements specified by this Agreement, (2) to install or provision the Network Elements, Combinations or Local Services ordered by AT&T within the Due Dates specific in this Agreement and (3) to provide Customer Usage Data in accordance with this Agreement.~~

13. **Customer Credit History** (open)(under investigation by BS)

AT&T and BellSouth agree to make available to a designated third-party credit bureau, on a timely basis, such of the following customer payment history information that is available for each person or entity that applies for local or intraLATA toll Telecommunications Service(s) from either carrier. Such information shall be provided on the condition that the credit bureau will only make such information available to the carrier to which the person or entity in question has applied for Telecommunication Service.

Applicant's name;
Applicant's address;
Applicant's previous phone number; if any;
Amount, if any, of unpaid balance in applicant's name;
Whether applicant is delinquent on payments;
Length of service with prior local or intraLATA toll provider;
Whether applicant had local or intraLATA toll service terminated or suspended within the last six months with an explanation of the reason therefor; and

Whether applicant was required by prior local or intraLATA toll provider to pay a deposit or make an advance payment, including the amount of each.

14. **Force Majeure**

14.1 ~~Except as otherwise specifically provided in this Agreement (including by way of illustration circumstances where BellSouth is required to implement Disaster Recovery plans to avoid delays or failure in performance and the implementation of such plans was designed to avoid the delay or failure in performance), n~~Neither Party shall be liable for any delay or failure in performance of any part of this Agreement caused by a Force Majeure condition, including acts of the United States of America or any state, territory or political subdivision thereof, acts of God or a public enemy, fires, floods, Disputes, freight embargoes, labor difficulties, earthquakes, volcanic actions, wars, civil disturbances, or other causes beyond the reasonable control of the Party claiming excusable delay or other failure to perform. ~~Force Majeure shall not include acts of any Governmental Authority relating to environmental, health or safety conditions at Work Locations.~~ If any Force Majeure condition occurs, the Party whose performance fails or is delayed because of such Force Majeure condition shall give prompt notice to the other Party, and upon cessation of such Force Majeure condition, shall give like notice and commence performance hereunder as promptly as reasonably practicable.

14.1 Notwithstanding Subsection 1, no delay or other failure to perform shall be excused pursuant to this Section: (i) by the acts or omission of a party's subcontractors, materialpersons, suppliers or other third persons providing products or services to such party unless such acts or omissions are themselves the product of a Force Majeure condition, ~~(ii) do not relate to environmental, health or safety conditions at Work Locations~~ and, (iii) unless such delay or failure and the consequences thereof are beyond the control and without the fault or negligence of the Party claiming excusable delay or other failure to perform.

15. **Certain Federal, State and Local Taxes** (open - add'l lang. by BS)

Any Federal, state or local excise, license, sales, or use taxes (excluding any taxes levied on income) resulting from the performance of this Agreement shall be borne by the Party upon which the obligation for payment is imposed under applicable law, even if the obligation to collect and remit such taxes is placed upon the other Party. Any such taxes shall be shown as separate items on applicable billing documents between the Parties. The Party so obligated to pay any such taxes may contest the same in good faith, at its own expense, and shall be entitled to the benefit of any refund or recovery, provided that such Party shall not permit any lien to exist on any asset of the

other Party by reason of the contest. The Party obligated to collect and remit taxes shall cooperate fully ,but shall be compensated for any expense incurred, in any such contest by the other Party by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest..

16. **Alternative Dispute Resolution**

16.1 All disputes, claims or disagreements (collectively "Disputes") arising under or related to this Agreement or the breach hereof shall be resolved in accordance with the procedures set forth in Attachment 1, except: (i) disputes arising pursuant to Attachment 6, Connectivity Billing; and (ii) disputes or matters for which the Telecommunications Act of 1996 specifies a particular remedy or procedure Disputes involving matters subject to the Connectivity Billing provisions contained in Attachment 6, shall be resolved in accordance with the Billing Disputes section of Attachment 6. In no event shall the parties permit the pendency of a Dispute to disrupt service to any AT&T Customer contemplated by this Agreement. The foregoing notwithstanding, neither this Section or Attachment 1 shall be construed to prevent either party from seeking and obtaining temporary equitable remedies, including temporary restraining orders. A request by a party to a court or a regulatory authority for interim measures or equitable relief shall not be deemed a waiver of the obligation to comply with Attachment 1.

17. **Notices**

Any notices or other communications required or permitted to be given or delivered under this Agreement shall be in hard-copy writing (unless otherwise specifically provided herein) and shall be sufficiently given if delivered personally or delivered by prepaid overnight express service to the following (unless otherwise specifically required by this Agreement to be delivered to another representative or point of contact):

If to AT&T:

Pamela A. Nelson
Vendor Management
AT&T
1200 Peachtree St., N.E.
Atlanta, GA 30309

If to BellSouth: **[To be provided by BellSouth]**

~~Receiving Party's Name and Title~~
~~Company Name~~

~~Street Address~~
~~City, State Zip Code~~
Randy Jenkins
Interconnection Services
Suite 410
1960 W. Exchange Place
Tucker, GA 30064

Either Party may unilaterally change its designated representative and/or address for the receipt of notices by giving (7) seven days' prior written notice to the other Party in compliance with this Section. Any notice or other communication shall be deemed given when received.

18. **Confidentiality and Proprietary Information**

18.1 For the purposes of this Agreement, "Confidential Information" means confidential or proprietary technical or business Information given by the Discloser to the Recipient. All information which is disclosed by one Party to the other in connection with this Agreement shall automatically be deemed proprietary to the Discloser and subject to this Agreement, unless otherwise confirmed in writing by the Discloser. In addition, by way of example and not limitation, all orders for Local Services, Network Elements or Combinations placed by AT&T pursuant to this Agreement, and information that would constitute Customer Proprietary Network Information of AT&T ~~customers~~ pursuant to the Act and the rules and regulations of the Federal Communications Commission, and Recorded Usage Data as described in Attachment 7, whether disclosed by AT&T to BellSouth or ~~otherwise acquired by BellSouth in the course of the performance of this Agreement,~~ shall be deemed Confidential Information of AT&T for all purposes under this Agreement.

18.2 For a period of (5) five years from the receipt of Confidential Information from the Discloser, except as otherwise specified in this Agreement, the Recipient agrees (a) to use it only for the purpose of performing under this Agreement, (b) to hold it in confidence and disclose it to no one other than its employees having a need to know for the purpose of performing under this Agreement, and (c) to safeguard it from unauthorized use or disclosure with at least the same degree of care with which the Recipient safeguards its own Confidential Information. If the Recipient wishes to disclose the Discloser's Confidential Information to a third party agent or consultant~~, such disclosure must be mutually agreed to in writing by the Parties to this Agreement, and~~ the agent or consultant must have executed a written agreement of non-disclosure and non-use comparable in scope to the terms of this Section.

18.3 The Recipient may make copies of Confidential Information only as reasonably necessary to perform its obligations under this Agreement. All such copies shall bear the same copyright and proprietary rights notices as are contained on the original.

18.4 The Recipient agrees to return all Confidential Information in tangible form received from the Discloser, including any copies made by the Recipient, within thirty (30) days after a written request is delivered to the Recipient, or to destroy all such Confidential Information, except for Confidential Information that the Recipient reasonably requires to perform its obligations under this Agreement. If either Party loses or makes an unauthorized disclosure of the other party's Confidential Information, it shall notify such other Party immediately and use reasonable efforts to retrieve the lost or wrongfully disclosed information.

18.5 The Recipient shall have no obligation to safeguard Confidential Information: (a) which was in the possession of the Recipient free of restriction prior to its receipt from the Discloser; (b) after it becomes publicly known or available through no breach of this Agreement by the Recipient; (c) after it is rightfully acquired by the Recipient free of restrictions on its disclosure; or (d) after it is independently developed by personnel of the Recipient to whom the Discloser's Confidential Information had not been previously disclosed. In addition, either Party shall have the right to disclose Confidential Information to any mediator, arbitrator, state or federal regulatory body, the Department of Justice or any court in the conduct of any mediation, arbitration or approval of this Agreement or in any proceedings concerning the provision of interLATA services by BellSouth that are or may be required by the Act. Additionally, the Recipient may disclose Confidential Information if so required by law, a court, or governmental agency, so long as the Discloser has been notified of the requirement promptly after the Recipient becomes aware of the requirement. In all cases, the Recipient must undertake all lawful measures to avoid disclosing such information until Discloser has had reasonable time to seek and comply with a protective order that covers the Confidential Information to be disclosed.

18.6 Each party's obligations to safeguard Confidential Information disclosed prior to expiration or termination of this Agreement shall survive such expiration or termination.

18.7 Except as otherwise expressly provided elsewhere in this Agreement, no license is hereby granted under any patent, trademark, or copyright, nor is any such license implied, solely by virtue of the disclosure of any Confidential Information.

18.8 Each Party agrees that the Discloser would be irreparably injured by a breach of this Agreement by the Recipient or its representatives and that the Discloser shall be entitled to seek equitable relief, including injunctive relief and specific performance, in the event of any breach of the provisions of this Agreement. Such remedies shall not be deemed to be the exclusive remedies for a breach of this Agreement, but shall be in addition to all other remedies available at law or in equity.

~~19.~~ ~~**Branding [Subject to Negotiation]**~~

~~The Parties agree that the services offered by AT&T that incorporate Local Services, Network Elements or Combinations made available to AT&T pursuant to this Agreement, shall at AT&T's sole discretion, be branded exclusively as AT&T services, or otherwise, as AT&T shall determine. AT&T shall provide the exclusive interface to AT&T Customers, except as AT&T shall otherwise specify. In those instances where AT&T requires BellSouth personnel or systems to interface with AT&T Customers, such personnel shall identify themselves as representing AT&T, and shall not identify themselves as representing BellSouth.~~ All forms, business cards or other business materials furnished by BellSouth to AT&T Customers shall be subject to AT&T's prior review and approval~~, and shall bear no corporate name, logo, trademark or tradesman other than AT&T's or such other brand as AT&T shall determine.~~ In no event shall BellSouth, acting on behalf of AT&T pursuant to this Agreement, provide information to AT&T local service customers about BellSouth, products or services unless requested to do so by the customer. ~~BellSouth agrees to provide for AT&T's review and approval the methods and procedures, training and approaches, to be used by BellSouth to assure that BellSouth meets AT&T's branding requirement in sufficient time for AT&T to review and the parties to approve them by August 1, 1996. For installation and repair services, AT&T agrees to provide BellSouth with branded material at no charge for use by BellSouth on an interim basis. BellSouth will notify AT&T of material supply exhaust in sufficient time that material will always be available.~~

19. **Directory Listings Requirements**

~~19.1~~ ~~BellSouth shall make available to AT&T, for AT&T Customers, non-discriminatory access to its telephone number and address directory listings ("Directory Listings"), under the below terms and conditions. In no event shall AT&T Customers receive Directory Listings that are at less favorable rates, terms or conditions, than the rates, terms or conditions that BellSouth provides its Customers.~~

~~19.1.1~~ ~~BellSouth shall provide to AT&T Customers, at no charge, the same White Pages basic listing(s) that BellSouth provides its customers. Where an AT&T~~

~~Customer has two numbers for a line due to the implementation of interim Local Number Portability, the second number shall be considered part of the one White Pages basic listing. BellSouth shall permit AT&T Customers the option of not having a published White Pages listing(s). Where BellSouth offers free Yellow Pages basic listings to business customers, BellSouth shall provide, at no charge to AT&T, Yellow Pages basic listing(s) for AT&T business customers.~~

~~19.1.1~~ ~~BellSouth will require its wholly owned subsidiary, BellSouth Advertising and Publishing Corporation ("BAPCO") to provide and publish directory listing in accordance with the agreement attached hereto as Attachment 13. AT&T will sell enhanced White and Yellow Pages listings to AT&T Customers pursuant to said agreement between the parties. BellSouth shall provide, at the rates set forth in Part IV of this Agreement, the Enhanced White Page Listings and Enhanced Yellow Pages Listings for AT&T to offer for resale.~~

19.1.1 ~~BellSouth shall include in its master subscriber system database all Subscriber List Information for AT&T Customers. Yellow Pages Advertising will be sold and billed to AT&T customers pursuant to Attachment 13, provided however, that AT&T will assume all billing for AT&T customers for Yellow Pages Advertising by **[date to be negotiated]**.~~

Subject to execution of an Agreement between AT&T and BellSouth's affiliate, BellSouth Advertising & Publishing Corporation, ("BAPCO"), substantially in the form set forth in Attachment C-1, (1) listings shall be included in appropriate White Pages or alphabetical directories; (2) AT&T's business subscribers' listings shall also be included in appropriate Yellow Pages, or classified directories; and (3) copies of such directories shall be delivered to AT&T's subscribers. BellSouth will provide AT&T a magnetic tape or computer disk containing the proper format for submitting subscriber listings. AT&T will provide BellSouth with its directory listings and daily updates to those listings, including new, changed, and deleted listings, in an industry-accepted format. BellSouth and BAPCO will accord AT&T's directory listing information the same level of confidentiality which BellSouth and BAPCO accords its own directory listing information, and BellSouth shall limit access to AT&T's customer proprietary confidential directory information to those BellSouth or BAPCO employees who are involved in the preparation of listings.

BellSouth will include AT&T subscriber listings in BellSouth's directory assistance databases and BellSouth will not charge AT&T to maintain the Directory Assistance database. The parties agree to cooperate with each other in formulating appropriate procedures regarding lead time, timeliness, format and content of listing information.

20. **Subscriber List Information**

20.1 BellSouth shall provide to AT&T, at AT&T's request, within thirty (30) days after the Effective Date, all published Subscriber List Information, including updates. ~~(including such information that resides in BellSouth's master subscriber system database~~pursuant to the rates, terms and conditions contained in BellSouth's applicable tariff.~~) via electronic data transfer acceptable to AT&T, on the same terms and conditions and at the same rates that the BellSouth provides its own Subscriber List information to itself or to other third parties. Changes to the Subscriber List Information shall be updated on a daily basis through the same electronic data transfer means used to transmit the initial List. Subscriber List Information provided shall indicate whether the customer is a residence or business customer.~~

~~20.2~~ ~~BellSouth shall provide Subscriber List Information that includes AT&T Customers to third parties, as required by the Act, on the same terms and conditions and at the same rates that BellSouth provides its own Subscriber List Information to third parties. AT&T shall receive its pro rata share of any amounts paid by third parties to BellSouth for such Subscriber List Information. AT&T's pro rata share shall be calculated based on the proportionate share of AT&T Customers to the total number of customers included in the Subscriber List Information.~~

21. **Miscellaneous**

21.1 **Delegation or Assignment** - BellSouth may not assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of AT&T which will not be unreasonably withheld. Notwithstanding the foregoing, BellSouth may assign its rights and benefits and delegate its duties and obligations under this Agreement without the consent of AT&T to a ~~100 percent owned~~ affiliate company of BellSouth~~, provided that the performance of any such assignee is guaranteed by the assignor~~. Any prohibited assignment or delegations shall be null and void.

21.2 **Subcontracting** - ~~BellSouth may not subcontract the performance of any obligation under this Agreement without the prior written consent of AT&T, which shall not be unreasonably withheld.~~ If any obligation is performed by a subcontractor or affiliate, BellSouth nevertheless shall remain fully responsible for the performance of this Agreement in accordance with its terms, and BellSouth shall be solely responsible for payments due its subcontractors or affiliates. ~~No contract, subcontract or other agreement entered into by either~~

~~Party with any third Party affiliate in connection with the provision of Local Services, Network Elements, or Combinations hereunder shall provide for any indemnity, guarantee or assumption of liability by, or other obligation of, the other Party to this Agreement with respect to such arrangement, except as consented to in writing by the other Party.~~ No subcontractor or affiliate shall be deemed a third party beneficiary for any purposes under this Agreement.

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

21.4 **No Third-Party Beneficiaries** - Except as may be specifically set forth in this Agreement, this Agreement does not provide and shall not be construed to provide third parties with any remedy, claim, liability, reimbursement, cause of action, or other privilege.

21.5 **Referenced Documents** - Whenever any provision of this Agreement refers to a technical reference, technical publication, AT&T Practice, BellSouth Practice, any publication of telecommunications industry administrative or technical standards, or any other document specifically incorporated into this Agreement, it will be deemed to be a reference to the most recent version or edition (including any amendments, supplements, addenda, or successors) of such document that is in effect, and will include the most recent version or edition (including any amendments, supplements, addenda, or successors) of each document incorporated by reference in such a technical reference, technical publication, AT&T Practice, BellSouth Practice, or publication of industry standards (unless AT&T elects otherwise). Should there be an inconsistency between or among publications or standards, ~~AT&T~~ the parties shall mutually agree upon ~~elect~~ which requirement shall apply.

21.6 **Governing Law** - The validity of this Agreement, the construction and enforcement of its terms, and the interpretation of the rights and duties of the Parties shall be governed by the laws of the State of Georgia other than as to conflicts of laws, except insofar as federal law may control any aspect of this Agreement, in which case federal law shall govern such aspect. The Parties submit to personal jurisdiction in Atlanta, Georgia, and waive any objections to a Georgia venue.

21.7 **Publicity and Advertising** - Neither Party shall publish or use any advertising, sales promotions or other publicity materials that use the other party's logo, trademarks or service marks without the prior written approval of the other party.

21.8 **Amendments or Waivers** - Except as otherwise provided in this Agreement, no amendment or waiver of any provision of this Agreement, and no consent

to any default under this Agreement, shall be effective unless the same is in writing and signed by an officer of the Party against whom such amendment, waiver or consent is claimed. In addition, no course of dealing or failure of a Party strictly to enforce any term, right or condition of this Agreement shall be construed as a waiver of such term, right or condition. ~~By entering into this Agreement AT&T does not waive any right granted to it pursuant to the Act.~~

21.9 **Severability** - If any term, condition or provision of this Agreement is held to be invalid or unenforceable for any reason, such invalidity or unenforceability shall not invalidate the entire Agreement, unless such construction would be unreasonable. The Agreement shall be construed as if it did not contain the invalid or unenforceable provision or provisions, and the rights and obligations of each Party shall be construed and enforced accordingly; provided, however, that in the event such invalid or unenforceable provision or provisions are essential elements of this Agreement and substantially impair the rights or obligations of either Party, the Parties shall promptly negotiate a replacement provision or provisions.

21.10 **Entire Agreement** - This Agreement, which shall include the Attachments, Appendices and other documents referenced herein, constitutes the entire Agreement between the Parties concerning the subject matter hereof and supersedes any prior agreements, representations, statements, negotiations, understandings, proposals or undertakings, oral or written, with respect to the subject matter expressly set forth herein.

21.11 **Survival of Obligations** - Any liabilities or obligations of a Party for acts or omissions prior to the cancellation or termination of this Agreement, any obligation of a Party under the provisions regarding indemnification, Confidential Information, limitations on liability, and any other provisions of this Agreement which, by their terms, are contemplated to survive (or to be performed after) termination of this Agreement, shall survive cancellation or termination thereof.

21.12 **Executed in Counterparts** - This Agreement may be executed in any number of counterparts, each of which shall be deemed an original; but such counterparts shall together constitute one and the same instrument.

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

Part I: Local Services Resale

23. Telecommunications Services Provided for Resale

23.1 At the request of AT&T, and pursuant to the requirements of the Act, BellSouth will make available to AT&T for ~~unrestricted~~ resale (see Section 24.3) any Telecommunications Service that BellSouth currently provides, or may offer hereafter. BellSouth shall also provide Support Functions and Service Functions, as set forth in Sections 27 and 28 of this Part. The Telecommunications Services, Service Functions and Support Functions provided by BellSouth to AT&T pursuant to this Agreement are collectively referred to as "Local Service."

23.2 This Part describes several services which BellSouth shall make available to AT&T for resale pursuant to this Agreement. This list of services is neither all inclusive nor exclusive. All Telecommunications Services of BellSouth which are to be offered for resale pursuant to the Act are subject to the terms herein, even though they are not specifically enumerated or described.

23.2.1 Features and Functions Subject to Resale

BellSouth agrees to make available for resale all features and functions available in connection with Telecommunications Services, including but not limited to the following:

Dial tone and ring
Capability for either dial pulse or touch tone recognition
Capability to complete calls to any location
Same extended local calling area
1+ IntraLATA toll calling
PIC 1+ service
CIC dialing (10 XXXX)
Same access to vertical features and functions
Call detail recording capability required for end user billing
Flat and Measured Service
International Calling
911, 500, 700, 800, 888, 900, 976
Ringing
Repeat dial capability
Multi-line hunting
PBX trunks and DID service

23.3 BellSouth will provide AT&T with at least the capability to provide an AT&T customer the same experience as BellSouth provides its own customers with respect to all Local Services. The capability provided to AT&T by BellSouth shall be in accordance with standards or other measurements that are at least equal to the ~~highest~~ level that BellSouth provides or is required to provide by law or its own internal procedures.

24. General Terms and Conditions for Resale

24.1 Primary Local Exchange Carrier Selection

BellSouth shall apply the principles set forth in Section 64.1100 of the Federal Communications Commission Rules, 47 C.F.R. §64.1100, to the process for end-user selection of a primary local exchange carrier. BellSouth shall not require a disconnect order from the customer, another carrier, or another entity, in order to process an AT&T order for Local Service for a customer.

24.2 Pricing

The prices charged to AT&T for Local Service are set forth in Part IV of this Agreement.

24.3 Products Available for ~~No Restrictions on~~ Resale

AT&T may resell to any and all classes of end-users Telecommunications Services obtained from BellSouth under this Agreement, with the exception of services listed.

- Grandfathered/obselete services
- Lifeline, Link-up
- Promotional and trial retail service offerings
- Contract service arrangements
- Installment billing options
- N11, 911, E911 services
- Interconnection services for mobile service providers
- legislatively or administratively mandated specialized discounts

~~except for Lifeline Assistance and Link-Up services which AT&T may only resell to those customers who are eligible for such services~~. BellSouth will not prohibit, nor impose unreasonable or discriminatory conditions or limitations on the resale of its Telecommunications Services. BellSouth's CENTREX service may be used by AT&T to provide "simple" local service to AT&T's end users. ~~BellSouth agrees to remove all tariff restrictions~~

~~which prohibit or limit the aggregation and resale of any such Telecommunication Services.~~

24.3.1 **Dialing Parity; Number Portability**

24.3.1.1 ~~BellSouth shall ensure that all~~ AT&T Customers will have use of the same dialing patterns available to ~~experience the same dialing parity as similarly-situated~~ customers of BellSouth services, such that, for all call types: (i) a call dialed by an AT&T Customer will be routed identically as the same call dialed by a BellSouth customer; ~~is not required to dial any greater number of digits than a similarly-situated BellSouth customer~~; (ii) the post-dial delay (time elapsed between the last digit dialed and the first network response), call completion rate and transmission quality experienced by an AT&T Customer is at least equal in quality to that experienced by a similarly-situated BellSouth customer; and (iii) the AT&T Customer may retain its local telephone number. ~~BellSouth shall provide Interim Number Portability as of the Effective Date. Interim Number Portability shall include: Remote Call Forwarding (RCF), Route Indexing (RI), and Local Exchange Routing Guide ("LERG") reassignment. In addition to providing RCF, BellSouth agrees to provide RI or LERG Reassignment in every local serving office. BellSouth also shall provide Permanent Number Portability in accordance with FCC or State Commission requirements.~~ NOTE: NEED DISCUSSION OF NUMBER PORTABILITY IN A RESALE ENVIRONMENT.

24.3.2 **Changes in Retail Service**

24.3.2.1 **AGREE TO DISAGREE ITEM** BellSouth will notify AT&T of any changes in the terms and conditions under which it offers Telecommunications Services to subscribers who are not Telecommunications Service providers or carriers, including, but not limited to, the introduction or discontinuance of any features, functions, services or promotions, at the time such a tariff is filed. ~~at least forty-five (45) days prior to the effective date of such change, or concurrent with BellSouth's internal notification process for such change, whichever is earlier.~~

24.3.2.2 **AGREE TO DISAGREE ITEM** ~~BellSouth agrees to put in place an electronic system~~ BellSouth agrees to utilize electronic mail to provide for notice of proposed price changes for any Telecommunications Service to AT&T when such tariffs are filed. ~~no later than thirty days before they are proposed to become effective~~. The process will be approved by AT&T, and will be in place no later than October 1, 1996.

24.3.2.3 BellSouth agrees BellSouth agrees to utilize electronic mail ~~to put in place an electronic system~~ to notify AT&T in accordance with industry standards. ~~, but in no event~~ BellSouth will use its best efforts to to provide such notification no less than six months for operational changes and twelve months for technology changes that are related to Local Services.

25. Requirements for Specific Services

25.1 **CENTREX Requirements ~~[Subject to Negotiation]~~**

25.1.1 At AT&T's option, AT&T may purchase the entire set of CENTREX features or any combinations of features that are offered to BellSouth end users via its GSST tariffs ~~a subset of any one or any combination of such features~~. The CENTREX Service provided for resale will meet the following requirements:

25.1.1.1 All features and functions of CENTREX Service, whether offered under tariff or otherwise, shall be available to AT&T for resale, without any geographic or customer class restrictions.

25.1.1.2 BellSouth shall provide to AT&T a list of all CENTREX features and functions offered by BellSouth within ten (10) days of the Effective Date, and shall provide updates to said list as required by Section 24.3.2.

25.1.1.3 BellSouth will provide the same service levels and features of CENTREX Service provided by BellSouth for resale by AT&T that it provides to its end users. ~~All service levels and features of CENTREX Service provided by BellSouth for resale by AT&T shall meet the service parity requirements set forth in this Part.~~

25.1.1.4 AT&T may aggregate the CENTREX local exchange and IntraLATA traffic usage of AT&T Customers to qualify for volume discounts on the basis of such aggregated usage.

25.1.1.5 AT&T may aggregate multiple AT&T Customers on dedicated access facilities. AT&T may require that BellSouth suppress the need for AT&T Customers to dial "9" when placing calls outside the CENTREX System.

25.1.1.6 NOTE: IT IS NOT TECHNICALLY FEASIBLE TO PROVIDE ACCESS TO CENTREX FEATURES WITH REMOTE CALL FORWARDING FROM A NON0CENTREX NUMBER.~~AT&T may use remote call forwarding in conjunction with CENTREX Service to provide service to AT&T Local Service Customers residing outside of the geographic territory in which BellSouth provides local exchange service.~~

25.1.1.7 Relative to the number of lines associated with any level of CENTREX Service, the applicable terms and conditions offered to the resale market are those which are offered to BellSouth's end users via its local service tariffs. ~~AT&T may purchase any and all levels of CENTREX Service for resale, without restriction on the minimum or maximum number of lines that may be purchased for any one level of service.~~

25.1.1.8 BellSouth shall make available to AT&T for resale, at no additional charge, intercom calling among all AT&T Customers who utilize resold CENTREX Service where the AT&T customers all reside in the same customer group.

25.1.1.9 AT&T may utilize Automatic Route Selection ("ARS") to provision access NOTE: NEED DISCUSSION AT&T NEED.

25.2 **CLASS and Custom Features Requirements**

AT&T may purchase the entire set of CLASS and Custom features and functions, or a subset of any one or any combination of such features, on a customer-specific basis, without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service. BellSouth shall provide to AT&T a list of all such CLASS and Custom features and functions within ten (10) days of the Effective Date and shall provide updates to such list when new features and functions become available.

25.3 **Voluntary Federal and State Customer Financial Assistance Programs**

NEED TO DISCUSS WITH AT&T(Concerns regarding confidentiality of income related information): Local Services provided to low-income subscribers, pursuant to requirements established by the appropriate state regulatory body, include programs such as Voluntary Federal Customer Financial Assistance Program and Link-Up America ("Voluntary Federal Customer Financial Assistance Programs"). When a BellSouth customer eligible for the Voluntary Federal Customer Financial Assistance Program or other similar state programs chooses to obtain Local Service from AT&T, BellSouth shall forward, available ~~all~~, information regarding such customer's eligibility to participate in such programs to AT&T, ~~in electronic format in accordance with the procedures set forth herein.~~

25.4 **E911/911 Services**

25.5 **E911/911 Services [Subject to Negotiation]**

BellSouth shall provide access to E911/911 in the same manner that it is provided to BellSouth customers. BellSouth will enable AT&T customers to have E911/911 call routing to the appropriate Public Safety Answering

Point (PSAP). BellSouth shall provide and validate AT&T Customer information to the PSAP. BellSouth shall use its service order process to update and maintain, on the same schedule that it uses for its end users, the AT&T Customer service information in the ALI/DMS (Automatic Location Identification/Database Management System) used to support E911/911 services.

25.5.1 **AGREE TO DISAGREE**~~AT&T agrees that BellSouth need not offer E911/911 services for resale to government agencies so long as BellSouth provides AT&T the necessary unbundled network elements in order for AT&T to provide E911/911 services to government agencies no later than January 1, 1997.~~ NOTE: UNBUNDLED 911 ADDRESSED IN UNE SECTION(S).

25.5.2 **Telephone Relay Service**

25.5.3 Where BellSouth provides to speech and hearing-impaired callers a service that enables callers to type a message into a telephone set equipped with a keypad and message screen and to have a live operator read the message to a recipient and to type message recipient's response to the speech or hearing-impaired caller ("Telephone Relay Service"), BellSouth shall make such service available to AT&T at no additional charge, for use by AT&T Customers who are speech or hearing-impaired. If BellSouth maintains a record of customers who qualify under any applicable law for Telephone Relay Service, BellSouth shall make such data available to AT&T as it pertains to AT&T Customers.

25.6 **AGREE TO DISAGREE: Obsolete/Grandfathered Services Subject to Negotiation]**

~~25.6.1 BellSouth shall offer for resale to AT&T all obsolete/grandfathered services~~

~~25.6.1 For purposes of this Agreement, an obsolete/grandfathered service is a service that BellSouth offers to existing retail customers but not to new subscribers.~~

~~25.6.1 After the Effective Date of this Agreement, AT&T shall have the right to review and approve any request for grandfathering any service to be filed by BellSouth at any Public Utility Commission.~~

25.7 **AGREE TO DISAGREE: Lifeline/Link-Up Service [Subject to Negotiation]**

~~25.7.1 BellSouth shall offer for resale Lifeline and Link-Up Service.~~

25.8 **AGREE TO DISAGREE: N11 Service [Subject to Negotiation]**

~~25.8.1 BellSouth agrees not to offer any new N11 services for twelve (12) months after the Effective Date of this Agreement unless BellSouth makes any such service available for resale.~~

25.8.1 ~~AT&T will not have the right to sell any N11 service, other than 411, 611 or 911 services, existing as of the Effective Date of this Agreement~~.

25.9 AGREE TO DISAGREE: Contract Service Arrangements, Special Arrangements, and Promotions [Subject to Negotiation]

~~25.9.1 BellSouth shall offer for resale all Contract Service Arrangements, Special Arrangements, and Promotions on a "switch as requested" (transfer of contract) basis.~~

25.10 AGREE TO DISAGREE: State Specific Discount Plans and Services [Subject to Negotiation]

~~25.10.1 BellSouth shall offer for resale all State Specific Discount Plans or Service.~~

25.11 **Nonrecurring Services**

~~25.11.1 Except as provided in Part IV, BellSouth shall offer for resale all non-recurring services.~~ BellSouth shall offer nonrecurring services/charges for resale but the resale discount will not apply

25.11.1 Inside Wire Maintenance Service

25.11.2 BellSouth shall provide ~~offer for resale~~ inside wire maintenance service for resold services but the resale discount will not apply.

25.12 Pay Phone Service

BellSouth shall offer for resale, at a minimum, the following pay phone services: SmartLine® ~~Coin Line~~, Independent Payphone Provider (IPP) Line ~~COCOT Line Coin~~, and IPP ~~COCOT~~ Line Coinless. The following features are available with these services:

Billed Number Screening
Ability to "freeze" PIC selection
One bill per line
Point of demarcation at the Network Interface location
Detailed billing showing all 1+ traffic on paper, diskette or electronic format
Wire Maintenance option

Touchtone service
Option for listed or non-listed numbers
Access to 911 service
One directory per line

25.12.1 **In addition, BellSouth shall offer for resale, at a minimum, the following features with its resold SmartLine® service ~~Coin Line features~~:**

Access to all CO intelligence required to perform answer detection, coin collection, coin return, and disconnect.
Answer Detection
Option to block all 1+ calls to international destinations
IntraLATA Call Timing
Option of one way or two way service on line
Flat Rate or Measured Service, per the applicable state tariff.
Originating line screening

~~[The following Coin Line items are subject to continued negotiation.~~

~~AT&T rate tables for local and intraLATA service~~
~~Option of measured service~~
~~Ability to block any 1+ service that cannot be rated by the coin circuits/TSPS/OSPS~~
~~Protect against clip on fraud~~
~~Protect against blue box fraud]~~
NOTE: NOT AVAILABLE RETAIL SERVICE OPTIONS

25.12.2 BellSouth shall offer for resale, at a minimum, the following features with its IPP ~~COCOT~~ Line Coin and IPP ~~COCOT~~ Line Coinless services ~~features~~:

Originating line screening
Two way service option or one way per the appropriate tariff
Flat rate service based on rate groups
Ability to keep existing serving telephone numbers if cutover to AT&T resale line

~~[The following COCOT Line Coin and COCOT Line Coinless items are subject to continued negotiation:~~

~~Option of one way service on the line~~
~~Option of measured service~~
~~Ability to keep existing serving telephone numbers if cutover to AT&T resale line~~ (MOVED TO ABOVE)
~~Incoming/outgoing screening]~~
NOTE: NOTE AVAILABLE RETAIL SERVICE OPTIONS

25.12.3 BellSouth shall offer for resale, at a minimum, the following feature with its COCOT Line Coin service ~~feature~~:

Blocking for 1+ international, 10XXXX1+ international, 101XXXX1+ international, 1+900, N11, 976

~~[The following COCOT Line Coin items are subject to continued negotiation:~~

~~Option to block all 1-700 and 1-500 calls~~
~~Line side supervision option]~~

NOTE: NOTE AVAILABLE RETAIL SERVICE OPTIONS

25.12.4 BellSouth shall offer for resale, at a minimum, the following features with its COCOT Line Coinless service ~~feature~~:

Blocking for 1+ international, 10XXXX1+ international, 101XXXX1+ international, 1+900, N11, 976, 7 or 10 digit local, 1+DDD

25.12.5 BellSouth shall offer for resale, at a minimum, the following features with its SemiPublic Coin service ~~features~~:

Ability to keep existing serving telephone numbers if cutover to AT&T
Touchtone Service
Option for listed, nonlisted, or non published numbers
Provision 911 service
Access to ANI information
Access to all CO intelligence
Ability to keep existing serving telephone numbers if cutover to AT&T required to perform answer supervision, collect and refund
Far end disconnect recognition
Call timing
PIC protection for all 1+local, interLATA, and intraLATA traffic
Same call restrictions as available on BellSouth phones for interLATA, international, intraLATA, and local calling
One bill per line
Detailed billing showing all 1+ traffic in paper or electronic format
Option to have enclosure installed with set
One directory per line installed
Install the station to at least BellSouth standards

~~[The following SemiPublic Coin items are subject to continued negotiation:~~

- Option to block all 1+ international calls
- Option of one way or two way service
- Wire Maintenance option
- Ability to block any 1+ service that cannot be rated by the coin circuits/TSPS/OSPS
- AT&T rate tables for local and intraLATA service
- Option to have BellSouth techs collect, count, and deposit vault contents on behalf of AT&T
- Monitor vault contents for slugs and spurious non US currency or theft and notify AT&T of discrepancies
- Station or enclosure equipment should only bear the name/brand designated by AT&T on the order form
- Protect against clip on fraud
- Protect against red box fraud
- Protect against blue box fraud
- Provide option for use of "bright" station technology including debit cards
- Provide revenue, maintenance, collection reports as specified by AT&T on order form on a periodic basis in paper or electronic format]

[The following Coin Line, SemiPublic Coin, COCOT Line Coin, and COCOT Line Coinless, items are subject to continued negotiation for all service types:

- Blocking of inbound international calls
- Point of demarcation at the set location
- Provide service restoration per AT&T's DMOQs
- Service outage transfers to AT&T help center
- Special screen codes unique to AT&T and/or its customers
- Single point of Contact for bills and orders dedicated to Public
- Access to AT&T Directory Assistance
- Access to AT&T's Network Access Interrupt
- Access to ANI Information
- Use AT&T branded invoice
- Provide all information necessary for requested to ensure AT&T to can bill for the service being resold access line
- Provide all information requested to ensure AT&T can bill for usage on the line NOTE: ISN'T THIS ADDRESSED IN THE USAGE DATA TRANSFER ATTACHMENT?
- All calls originating from stations serviced by these lines should be routed to AT&T lines, except where designated.
- Provide the same monitoring and diagnostic routines on the

~~line as BellSouth would on its own facilities~~
~~Provide installation intervals per AT&T DMOQs~~
~~Ordering per AT&T DMOQs~~
~~Call Transfer per AT&T DMOQs~~
~~Billing per AT&T DMOQs~~
~~PIC per AT&T DMOQs]~~

25.13 Voice Mail Service

25.13.1 Bell South shall provide the SMDI-E, Station Message Desk Interface-Enhanced, where available, or SMDI, Station Message Desk Interface where SMDI-E is not available, feature capability allowing for Voice Mail Services. BellSouth shall provide to the end user the MWI (Message Waiting Indicator) stutter dialtone and message waiting light feature capabilities. BellSouth shall provide CF-B/DA (Call Forward on Busy/Don't Answer), CF/B (Call Forward on Busy), and CF/DA (Call Forward Don't Answer) feature capabilities allowing for Voice Mail services where it provides such capabilities to its end users.

25.14 Hospitality Service

25.14.1 BellSouth shall provide all blocking, screening, and all other applicable functions available for hospitality lines.

25.15 Blocking Service

25.15.1 BellSouth shall provide blocking of 700, 900, and 976 services upon request, including bill to third party and collect calls, from AT&T on a line, trunk, or individual service basis, under the same terms offered to BellSouth's end users~~.~~

26. Advanced Intelligent Network [Subject to Negotiation]

~~26.1~~ AT&T may purchase the entire set of Advanced Intelligent Network ("AIN") features ~~or functions, or a subset of any one or any combination of such features or functions,~~ on a customer-specific basis. The AIN services provided by BellSouth to AT&T for resale shall meet the following requirements:

26.1.1 AIN based services ~~, whether offered under tariff or otherwise~~, shall be available to AT&T for resale pursuant to the appropriate local service tariff. ~~, without any geographic restrictions~~;

26.1.2 **AGREE TO DISAGREE:** ~~BellSouth shall provide full functionality access to AT&T on behalf of AT&T Customers, including the Service Control Point Database and Intelligent Functions;~~

26.1.3 All service levels, features and function components of AIN provided by BellSouth shall meet the service parity requirements set forth in this Part; and

26.1.4 AT&T may purchase any and all levels of AIN service for resale, under the terms of the appropriate BellSouth tariff. ~~without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service.~~

27. **Support Functions**

AGREE TO DISAGREE: Routing to Directory Assistance, Operator and Repair Services [Subject to Negotiation]

~~27.1.1 BellSouth shall make available to AT&T the ability to route:~~

~~27.1.1 Local Directory Assistance calls (411, (NPA) 555-1212) dialed by AT&T Customers directly to the AT&T Directory Assistance Services platform.~~

~~Local Operator Services calls (0+, 0-) dialed by AT&T Customers directly to the AT&T Local Operator Services platform. Such traffic shall be routed over trunk groups between BellSouth end offices and the AT&T Local Operator Services Platform, using standard Operator Services dialing protocols of 0+ or 0.~~

~~27.1.1 Repair calls (e.g., 611) dialed by AT&T Customers directly to the AT&T repair center.~~

~~27.1.1 All direct routing capabilities described herein shall permit AT&T Customers to dial the same telephone numbers for AT&T Directory Assistance, Local Operator Service and Repair that similarly situated BellSouth customers dial for reaching equivalent BellSouth services.~~

~~27.1.1 BellSouth, no later than five (5) days after the Effective Date, shall provide to AT&T, the emergency public agency (e.g., police, fire, ambulance) telephone numbers linked to each NPA-NXX. Such data will be transmitted via the Electronic Interface described in Section 27.1 of this Part. BellSouth will electronically transmit to AT&T, in a timely manner, all changes, alterations, modifications and updates to such data base.~~

27.1 **Operator Services ~~Interim Measures~~**

27.1.1 BellSouth will provide directory assistance to AT&T for resale to its customers. ~~Until such time as BellSouth routes calls to the AT&T Directory Assistance platform, BellSouth shall provide Directory Assistance to AT&T's customers, branded to AT&T pursuant to Section 19.~~

~~Where BellSouth is the provider of Directory Assistance service,~~ BellSouth agrees to provide AT&T customers with the same Directory Assistance available to BellSouth customers, ~~branded as required by Section 19.~~ Additionally, BellSouth warrants that such service will provide the following minimum capabilities to AT&T's customers:

(1) Two customer listings and/or addresses per AT&T customer call.
(2) Name and address to AT&T customers upon request, except for unlisted numbers, in the same states where such information is provided to BellSouth customers (AL,MS,LA,KY).

(3) Upon request, call completion to the requested number for local and intraLATA toll calls, where this service is available.

(4) Populate the listing database in the same manner and in the same time frame as if the customer was a BellSouth customer.

(5) Any information provided by a Directory Assistance Automatic Response Unit (ARU) will be repeated the same number of times for AT&T customers as for BellSouth's customers.

(6) Service levels will comply with Public Service Commission requirements for:
a) number of rings to answer
b) average work time
c) disaster recovery options

(7) Intercept service for customers moving service will include:
a) referral to new number, either 7 or 10 digits
b) repeat of the new number twice on the referral announcement
c) repeat of the new recording twice.

27.1.2 ~~Until such time as BellSouth routes calls to the AT&T Local Operator Services platform,~~ BellSouth shall provide Operator Services to AT&T's customers at~~,~~ the same level of service available to BellSouth end users. ~~BellSouth agrees to provide AT&T performance metrics for this service that include a) number of rings to answer, b) average work time, c) disaster recovery.~~

~~Where BellSouth is the provider for Local Operator Service, (0+,0-),~~ BellSouth agrees to provide AT&T customers the same Operator Services available to BellSouth customers, ~~branded as required by Section 19~~. Additionally, BellSouth warrants that such service will provide the following minimum capabilities to AT&T customers:

(1) Instant credit on calls, as provided to BellSouth customers.

(2) Routing of calls to AT&T when requested via existing Operator Transfer Service (OTS), ~~at no charge~~.

(3) Busy Line Verification/Emergency Line Interrupt (BLV/ELI) services.

(4) Emergency call handling.

(5) Notification of the length of call.

(6) Caller assistance for the disabled in the same manner as provided to BellSouth customers.

(7) Handling of collect calls: person to person and/or station to station.

27.2 **Busy Line Verification and Emergency Line Interrupt**

AGREE TO DISAGREE: BellSouth shall perform Busy Line Verification

and Emergency Line Interrupt for AT&T on resold BellSouth lines. ~~permit AT&T to connect its Local Operator Service to BellSouth's Busy Line Verification and Emergency Line Interrupt ("BLV/ELI") systems and databases to enable AT&T to perform BLV/ELI services. BellSouth will engineer its BLV/ELI facilities to accommodate the anticipated volume of BLV/ELI requests during the Busy Hour. AT&T may, from time to time, provide its anticipated volume of BLV/ELI requests to BellSouth. In those instances when the BLV/ELI systems and databases become unavailable, BellSouth shall promptly inform AT&T.~~

27.3 **Access to the Line Information Database**

BellSouth shall use its service order process to update and maintain, on the same schedule that it uses for its end users, the AT&T Customer service information in the Line Information Database ("LIDB").

27.4 **Telephone Line Number Calling Cards**

Effective as of the date of an end-user's subscription to AT&T Service, BellSouth will terminate its existing telephone line number - based calling cards and remove any BellSouth-assigned Telephone Line Calling Card Number (including area code) ("TLN") from the LIDB. AT&T may issue a new telephone calling card to such customer, utilizing the same TLN, and AT&T ~~shall have the right to enter~~ may request such TLN be entered in LIDB for calling card validation purposes via the service order process.

28. **Service Functions**

28.1 **Electronic Interface**

BellSouth shall work with AT&T pursuant to the Georgia PSC Docket Number 6355-U to enhance or develop ~~provide a real-time~~ electronic interfaces ("EI") for transferring and receiving Service Orders and Provisioning data and materials (e.g., access to Street Address Guide ("SAG") and Telephone Number Assignment database). This interface shall be administered through a gateway that will serve as a ~~single~~ point of contact for the transmission of such data from AT&T to BellSouth, and from BellSouth to AT&T. The requirements and implementation of such a data transfer system shall be negotiated in good faith by the parties and be specified in a written agreement between AT&T and BellSouth that will be completed expeditiously after the Effective Date of this Agreement. AT&T and BellSouth agree that the Electronic Communications gateway described above is to be provided as soon as practicable, ~~but in no event later than the dates specified below. Until such time as a gateway is established, the EI to be used shall be the same EI as is currently used by BellSouth, as may be modified by agreement of the parties during the~~

~~interim period.~~ AT&T and BellSouth have agreed on interim solutions described below to address the Pre-ordering, Ordering and Provisioning interfaces. BellSouth warrants that such interim solutions shall provide AT&T customers with the same level of service available to BellSouth customers.

Pre-Ordering

1. BellSouth will provide AT&T access to BellSouth's Regional Street Address Guide (RSAG) via dial-up to be replaced with LAN to LAN access no later than September 15,1996.

2. BellSouth will provide AT&T access to BellSouth's Products and Services Inventory Management System (P/SIMS) data via Network Data Mover file transfer. BellSouth shall update this data at least once a week from BellSouth's P/SIMS database. The data shall be available with infrequent down time ~~at all times~~ and AT&T may retrieve the data at any time it is available.

3. BellSouth will supply AT&T with Interval Guide Job Aids to be used to determine service installation dates. BellSouth will implement an electronic interface to its Due Date Support Application (DSAP) no later than April, 30 1997. ~~December 31, 1996.~~

4. BellSouth will reserve up to 100 telephone numbers per NPA-NXX at AT&T's request, for AT&T's sole use. BellSouth will provide additional number at AT&T's request in order that AT&T have sufficient numbers available to meet expected needs. The telephone number reservations made in this manner are valid for AT&T's assignment for (90) ninety days from the reservation date. BellSouth will make the telephone number reservations available to AT&T via electronic file no later than September 15, 1996. ~~AT&T and BellSouth agree to implement an electronic interface to improve this process no later than: December 31, 1996.~~

5. BellSouth Local Carrier Service Center (LCSC) will assign vanity numbers and blocks of numbers for use with complex services including, but not limited to, DID and Hunting arrangements, as requested by AT&T, and documented in Work Center Interface agreements.

Ordering

BellSouth agrees to develop, and AT&T agrees to cooperate in the development of, a mutually acceptable Electronic Data Interchange (EDI) for ordering Local Services~~, Unbundled Elements and Combinations~~. The ordering process and related transactions, (i.e., order, confirmation, firm

order commitments, supplements and completions) shall be via the EDI interface.

BellSouth will use its best efforts ~~BellSouth agrees~~ to implement the EDI interface to support processes for Local Services for residence POTS and features, business POTS and features and PBX trunks with Direct Inward Dialing by September 1, 1996. By December 15, 1996, all Local Services shall be available for ordering via EDI interface. BellSouth will use its best efforts to, ~~B~~by March 31, 1997, an interactive direct order entry capability will be implemented for ordering all Local Services, ~~, Unbundled Elements and Combinations~~. Further development of the interface will be documented in a joint implementation agreement currently under negotiation.

28.2 **Work Order Processes**

28.2.1 BellSouth shall ensure that all work order processes used to provision Local Service to AT&T for resale meet the service parity requirements set forth in this Part.

28.2.2 Not later than September 15, 1996, BellSouth and AT&T shall develop mutually agreed-upon escalation and expedite procedures to be employed at any point in the Service Ordering, Provisioning, Maintenance, Billing and Customer Usage Data transfer processes to facilitate rapid and timely resolution of disputes.

These procedures will be maintained in the Work Center Interface Agreements.

28.3 **Point of Contact for the AT&T Customer**

28.3.1 Except as otherwise provided in this Agreement, AT&T shall be the single and sole point of contact for all AT&T Customers.

28.3.2 BellSouth shall refer all questions regarding any AT&T service or product ~~directly~~ to AT&T. ~~at~~ At the end user's request, a telephone number specified by AT&T will be provided to the end user.

28.3.3 BellSouth shall ensure that all BellSouth representatives who receive inquiries regarding AT&T services: (i) provide, at the caller's request, such numbers to callers who inquire about AT&T services or products; and (ii) do not in any way disparage or discriminate against AT&T, or its products or services; and (iii) do not provide unsolicited information about BellSouth products or services.

28.4 **Single Point of Contact**

Each party shall provide the other party with a single point of contact ("SPOC") for all inquiries regarding the implementation of this Part. Each party shall accept all inquiries from the other party and provide timely responses.

BellSouth Contact numbers will be kept current in the Work Center Interface Agreements.

28.5 **Service Order**

To facilitate the ordering of new service for resale or changes to such service to an AT&T Customer ("Service Order"), BellSouth shall provide AT&T's representative with ~~real-time~~ access (as described in Section 28.1) to BellSouth customer information to enable the AT&T representative to perform the following tasks:

~~BellSouth will provide AT&T real-time access to the customer profile no later than March 31, 1997. Until real-time access is available via electronic interface, BellSouth agrees that AT&T can obtain customer profile information via telephone conference. Methods and procedures for the interim interface will be defined in a Work Center Interface agreement;~~

BellSouth will provide AT&T with real-time access to information on all features and services available, including new services, trial offers and promotions. If real time access is not available via electronic interface, BellSouth agrees to make available to AT&T an electronic file with feature and service information in each BellSouth central office;

28.5.1 BellSouth will provide AT&T with enhanced ~~real-time access~~ to order entry pursuant to Georgia PSC Docket Number 6352-U. ~~no later than March 31, 1997~~. Until enhanced ~~real-time~~ access is available via electronic interface, BellSouth agrees to establish the Local Carrier Service Center (LCSC) as the SPOC for order entry. Orders will be received at the LCSC via the EDI interface. BellSouth agrees to enter the service order and provide Firm Order Confirmation (FOC) within 24 hours of receipt of correct Local Service Request.

28.5.2 BellSouth will provide AT&T with on0line ~~real-time~~ access to telephone number reservations pursuant to Georgia Docket Number 6352-U. ~~no later than December 31, 1996.~~ Until on-line ~~real-time~~ access is available via electronic interface, BellSouth agrees to provide AT&T with a ready supply of telephone numbers. The process is described in Section 28.1 of this document.

28.5.3 BellSouth will provide AT&T the capability to establish directory listings via the service order process. ~~with real-time ability to establish directory listings no later than March 31, 1997. Until real-time access is available via electronic interface, BellSouth agrees to establish the appropriate directory listing for AT&T end-users via the LSR and interim service ordering process. AT&T will provide the appropriate directory listing information on the LSR.~~

28.5.4 BellSouth will provide AT&T with the appropriate information and training materials (job aids) to assist AT&T work centers to determine the appropriate due date for a service order. ~~whether a service call will be required on a service installation. These job aids are to be the same information available to the BellSouth employees.~~

28.5.5 BellSouth will provide AT&T with on-line ~~real-time~~ ability to determine appropriate due dates pursuant to Georgia Docket Number 6352-U ~~schedule dispatch and installation no later than: December 31, 1996~~. Until real-time access is available via electronic communications, BellSouth agrees to provide AT&T with interval guides for BellSouth services;

28.5.6 **MAY NEED CLARIFICAITON:** ~~BellSouth will provide AT&T with real-time ability to order local intraLATA toll service and enter AT&T Customer's choice of primary interexchange carrier on a single, unified order no later that March 31, 1997.~~

28.5.7 BellSouth will suspend, terminate or restore service to an AT&T Customer at AT&T's request.

28.6 **Provisioning**

~~28.6.1~~ **AGREE TO DISAGREE:** ~~After receipt and acceptance of a Service Order, BellSouth shall provision such Service Order in accordance with the following Intervals and DMOQs:~~

~~28.6.1.1 Turn-up of Local Service where no installation of facilities is required:~~

~~Residence and Business: within twenty-four (24) hours of acceptance of Service Order~~

~~28.6.1.1 Turn-up of Local Service where installation of facilities is required:~~

~~Residence: within seventy-two (72) hours of acceptance of Service Order~~

~~28.6.1.1 Feature Changes (after service turn-up):~~

- ~~Feature changes received by BellSouth before 12:00 P.M. will be done on the day of receipt. If request is received after 12:00 P.M., the work will be done on the next day.~~

-

~~28.6.1.1 Service Disconnects:~~

~~Residence: Within twenty four (24) hours after acceptance of Service Order~~
~~Business: Within four (4) hours after acceptance of Service Order if only software change is required.~~
~~Business: Within twenty four (24) hours after acceptance of Service Order if central office change or customer premise visit is required.~~

~~28.6.1.1 Provisioning functions performed by BellSouth will meet the following DMOQs:~~

~~Installation Commitment~~
~~Residence: >99% met~~
~~Business: >99.5% met~~

~~Installation Provisioned Correctly in less than five (5) days~~
~~Residence: >99% met~~
~~Business: >99.5% met~~

~~Missed Appointments~~
~~Residence: <1%~~
~~Business: 0%~~

28.6.2 BellSouth shall provide AT&T with service status notices, within mutually agreed-upon intervals. Such status notices shall include the following:

28.6.2.1 Firm order confirmation, including service availability date and information regarding the need for a service dispatch for installation.

28.6.3 BellSouth will provide AT&T ~~with real-time notice of service installation no later than March 31, 1997. Until real-time electronic interface is available, BellSouth agrees to provide AT&T~~ with completion information on a daily basis for all types of service orders. BellSouth will utilize the EDI interface to transmit that data to AT&T.

If an installation requires deviation from the service order in any manner, or if an AT&T customer requests a service change at the time of installation, BellSouth will call AT&T in advance of performing the installation for authorization. BellSouth will provide to AT&T at that time an estimate of additional labor hours and/or materials required for that installation. After

installation is completed, BellSouth will immediately inform AT&T of actual labor hours and/or materials used.

28.6.4 BellSouth ~~will provide AT&T with real-time information exchange for rejection/errors in Service Orders no later than March 31, 1997. Until real-time electronic interface is available, BellSouth~~ agrees to notify AT&T via telephone of any rejection/errors on service orders within one hour of receipt. The process for that notification will be described further in the work center interface agreement between AT&T CNSC and BellSouth LCSC.

28.6.5 BellSouth ~~will provide AT&T real-time access to status information on Service Orders no later than March 31, 1997. Until real-time electronic interface is available, BellSouth~~ agrees that BellSouth's LCSC will immediately notify AT&T if a service appointment is in jeopardy of being missed.

28.6.6 BellSouth ~~will provide AT&T with real-time information on charges associated with necessary construction no later than March 31, 1997. Until real-time electronic interface is available, BellSouth~~ agrees that BellSouth's LCSC will promptly ~~immediately~~ notify AT&T of any changes associated with necessary construction.

28.6.7 BellSouth ~~will provide AT&T real-time access to status on service orders no later than March 31, 1997. Until such real-time access to status on Service Orders is available to AT&T, BellSouth~~ agrees to provide proactive status at the following critical intervals: acknowledgment, firm order confirmation, and completion on service orders. AT&T may call the BellSouth LCSC for status upon request.

28.6.8 BellSouth will perform all pre-service testing on resold Local Services.

28.6.9 Where BellSouth provides installation, BellSouth shall, ~~notify AT&T immediately~~ if an AT&T Customer requests a service change at the time of installation, request the AT&T customer to contact AT&T.

28.6.10 BellSouth shall provide provisioning support to AT&T on the same terms provided to BellSouth end users. ~~twenty-four (24) hours a day, seven (7) days a week.~~

28.6.11 BellSouth shall provide training for all BellSouth employees who may communicate with AT&T Customers, during the provisioning process. Such training shall conform to AT&T's specifications and shall comply with the branding requirements of this Agreement.

28.6.12 BellSouth will provide AT&T with the capability to provide AT&T customers the same ordering, provisioning intervals, and level of service experiences as BellSouth provides to its own customers, in accordance with standards or other measurements that are at least equal to the highest level that BellSouth provides or is required to provide by law or its own internal procedures.

28.6.13 BellSouth will maintain and staff an account team to support AT&T's inquires concerning the ordering of local complex service and designed business services for local services resale. This team will provide information regarding all services, features and functions available, know the forms and additional information required beyond the standard local service request, assist AT&T in preparation of such orders, and coordinate within BellSouth, ~~to insure parity with the end users of BellSouth's retail services.~~

28.6.14 BellSouth will provide AT&T with the information AT&T will need to certify customers as exempt from charges, or eligible for reduced charges associated with the provisioning of new services, including but not limited to handicapped individuals, and certain governmental bodies and public institutions. BellSouth, when notified that an order for new service is exempt in some fashion, will not bill AT&T.

28.6.15 BellSouth will provide the same intercept treatment and transfer of service announcements to AT&T's customers as BellSouth provides to its own end users without any branding.

28.6.16 BellSouth will provide AT&T with appropriate notification of all area transfers with line level detail 120 days before service transfer, and will also notify AT&T within 120 days before such change of any LATA boundary changes, or whatever time frame is required by the approving regulatory body.

28.6.17 BellSouth agrees to develop with AT&T cooperation, mutually acceptable interface agreements between work centers regarding the exchange of information and process expectations.

28.6.18 BellSouth will suspend AT&T local customers' service upon AT&T's request via the receipt of a Local Service Request. The service will remain suspended until such time as AT&T submits an Local Service Request requesting BellSouth to reactivate.

28.6.19 BellSouth will provide AT&T's end users the same call blocking options available to BellSouth's own end users.

28.6.20 BellSouth will work cooperatively with AT&T in practices and procedures regarding Law Enforcement and service annoyance call handling. To the extent that circuit-specific engineering is required for resold services, BellSouth will provide the same level of engineering support as BellSouth provides for its comparable retail services.

28.6.21 **AGREE TO DISAGREE:** BellSouth will provide information about the certification process for the provisioning of LifeLine, Linkup and other similar services.

28.6.22 BellSouth will provide a daily electronic listing of AT&T customers who change their local carrier. The process is described as OUTPLOC (See reference in Local Account Maintenance Requirements of Attachment 7.)

28.7 **Maintenance**

Maintenance shall be provided in accordance with the requirements and standards set forth in Attachment 5. Maintenance will be provided by BellSouth in accordance with the service parity requirements set forth in this Part.

28.8 **Provision of Customer Usage Data**

BellSouth shall provide the Customer Usage Data recorded by the BellSouth. Such data shall include complete AT&T Customer usage data for Local Service, including both local and intraLATA toll service (e.g., call detail for all services, including flat-rated and usage-sensitive features), in accordance with the terms and conditions set forth in Attachment 7.

28.9 **Service/Operation Readiness Testing**

28.9.1 In addition to testing described elsewhere in this Section, BellSouth shall test the systems used to perform the following functions in a mutually agreed upon time frame ~~at least ninety (90)~~ days prior to commencement of

BellSouth's provision of Local Service, in order to establish system readiness capabilities:

28.9.1.1 All interfaces between AT&T and BellSouth work centers for Service Order, Provisioning;

28.9.1.2 Maintenance, Billing and Customer Usage Data;

28.9.1.3 The process for BellSouth to provide customer profiles;

28.9.1.4 The installation scheduling process;

28.9.1.5 NOTE: NOT APPLICABLE TO RESALE.~~Network alarm reporting~~;

28.9.1.6 Telephone number assignment;

28.9.1.7 Procedures for communications and coordination between AT&T SPOC and BellSouth SPOC;

28.9.1.8 Procedures for transmission of Customer Usage Data; and

28.9.1.9 Procedures for transmitting bills to AT&T for Local Service; and

28.9.1.10 The process for wholesale billing for local service.

28.9.2 **AGREE TO DISAGREE:**~~The functionalities identified above shall be tested in order to determine whether BellSouth performance meets the applicable service parity requirements, DMOQs and other performance standards set forth herein. BellSouth shall make available sufficient technical staff to perform such testing. BellSouth technical staff shall be available to meet with AT&T as necessary to facilitate testing. BellSouth and AT&T shall mutually agree on the schedule for such testing~~.

28.9.3 At AT&T's request, BellSouth may ~~shall~~ provide to AT&T ~~any~~ results of the testing performed pursuant to the terms of this Part.~~ AT&T may review such results and may notify BellSouth of any failures to meet the requirements of this Agreement.~~

28.9.4 During the term of this Agreement, BellSouth shall participate in cooperative testing requested by AT&T whenever both companies agree it is ~~it is deemed~~ necessary ~~by AT&T~~ to ensure service performance, reliability and customer serviceability.

28.10 **Billing For Local Service**

28.10.1 BellSouth shall bill AT&T for Local Service provided by BellSouth to AT&T pursuant to the terms of this Part, and in accordance with the terms and conditions for Connectivity Billing and Recording in Attachment 6.

28.10.2 BellSouth shall recognize AT&T as the customer of record for all Local Service and will send all notices, bills and other pertinent information directly to AT&T unless AT&T specifically requests otherwise.

To be negotiated after Attachment 2 No Agreement on terms of Part II

PART II: UNBUNDLED NETWORK ELEMENTS

29. **Introduction**

This Part II sets forth the unbundled Network Elements that BellSouth agrees to offer to AT&T in accordance with its obligations under Section 251(c)(3) of the Act. The specific terms and conditions that apply to the unbundled Network Elements are described below and in the Network Elements Service Description, Attachment 2. The price for each Network Element is set forth in Part IV of this Agreement. Except as otherwise set forth in this Part II, BellSouth shall offer Network Elements to AT&T as of November 1, 1996.

30. **Unbundled Network Elements**

30.1 BellSouth shall offer Network Elements to AT&T on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement and the requirements of Section 251 and Section 252 of the Act.

30.2 BellSouth will permit AT&T to interconnect AT&T's facilities or facilities provided by AT&T or by third parties with each of BellSouth's unbundled Network Elements at any point designated by AT&T that is technically feasible.

30.3 AT&T, at its option, may designate any technically feasible network interface at a Served Premises, including without limitation, DS0, DS-1, DS-3, STS-1, and OC-n (where n equals 1 to 48) interfaces, and any other interface described in the applicable technical references.

30.4 AT&T may use one or more Network Elements to provide any feature, function, or service option that such Network Element is capable of providing or any feature, function, or service option that is described in the technical references identified herein, or as may otherwise be determined by AT&T.

30.5 BellSouth shall offer each Network Element individually and in combination with any other Network Element or Network Elements in order to permit AT&T to provide Telecommunications Services to its customers.

30.6 For each Network Element, BellSouth shall provide a demarcation point (e.g., an interconnection point at a Digital Signal Cross Connect or Light Guide Cross Connect panel or a Main Distribution Frame) and, if necessary, access to such demarcation point, which AT&T agrees is suitable. However, where BellSouth provides contiguous Network Elements to AT&T, BellSouth may provide the existing interconnections and no demarcation point shall exist between such contiguous Network Elements.

30.7 BellSouth shall not charge AT&T an interconnection fee or demand other consideration for directly interconnecting any Network Element or Combination to any other Network Element or Combination provided by BellSouth to AT&T if BellSouth directly interconnects same two Network Elements or Combinations in providing any service to its own customers or a BellSouth affiliate, including the use of intermediate devices, such as a digital signal cross connect panel, to perform such interconnection.

30.8 The total charge to AT&T to interconnect any Network Element or Combination to any other Network Element or Combination provided by BellSouth to AT&T if BellSouth does not directly interconnect the same two Network Elements or Combinations in providing any service to its own customers or a BellSouth affiliate (e.g., the interconnection required to connect the Loop Feeder to an ALEC's collocated equipment), shall be BellSouth's total service long-run incremental cost of providing the interconnection.

30.9 Subsections 1 through 11 below list the Network Elements that AT&T and BellSouth have identified as of the Effective Date of this Agreement. AT&T and BellSouth agree that the Network Elements identified in this Part II are not exclusive. Either party may identify additional or revised Network Elements as necessary to improve services to customers, to improve network or service efficiencies or to accommodate changing technologies, customer demand, or regulatory requirements. Upon the identification of a new or revised Network Element, the party so identifying the new or revised Network Element shall notify the other party of the existence of and the technical characteristics of the new or revised Network Element. If the parties do not agree on the existence of and the technical characteristics of the newly identified or revised Network Element, any issues that have not been resolved by the parties within thirty days of notification shall be submitted to the Dispute Resolution Procedures as set forth in this Agreement. Within thirty (30) days of AT&T and BellSouth agreeing on the technical characteristics of the new or revised Network Element, the parties will attempt to agree on the rates, terms and conditions that would apply to such Network Element and the effects, if any, on the price, performance or other terms and conditions of existing Network Elements. If the parties do not agree on rates, terms and conditions and other matters set forth herein, any issues that have not been resolved by the parties within thirty days shall be submitted to the Dispute Resolution Procedures as set forth in this Agreement. Additionally, if BellSouth provides any Network Element that is not identified in this Agreement, to itself, to its own customers, to a BellSouth affiliate or to any other entity, BellSouth will provide the same Network Element to AT&T on rates, terms and conditions no less favorable to AT&T than those provided to itself or to any other party. The Network Elements are described below. Additional descriptions and requirements for each Network Element are set forth in Attachment 2.

BellSouth shall provide a contiguous loop as of November 1, 1996. If BellSouth uses integrated Digital Loop Carrier (DLCs) systems to provide the local loop, BellSouth will make alternate arrangements to permit AT&T to order a contiguous unbundled local loop. These arrangements may, at BellSouth's option, include the following: provide AT&T with copper facilities that are acceptable to AT&T; deploy Virtual Remote Terminals; allow AT&T to purchase the entire integrated DLC; or convert integrated DLCs to non-integrated systems.

30.9.1 **"Loop Distribution"** is a Network Element that is composed of two distinct component parts: a Network Interface Device and Distribution Media. By no later than August 15, 1996, BellSouth shall provide AT&T with a proposal to develop the capacity to offer unbundled Loop Distribution. AT&T will respond to BellSouth's proposal by no later than October 1, 1996. If AT&T accepts BellSouth's proposal by November 1, 1996, BellSouth shall offer unbundled Loop Distribution as of October 1, 1997.

30.9.1.1 The "Network Interface Device (NID)" is a single-line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit. The fundamental function of the NID is to establish the official network demarcation point between a carrier and its end-user customer. The NID features two independent chambers or divisions which separate the service provider's network from the customer's inside wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider, and the end-user customer each make their connections. The NID provides a protective ground connection, and is capable of terminating cables such as twisted pair cable. If AT&T requires a NID without other subloop elements, AT&T shall provide and BellSouth shall accept AT&T's certified grounding of BellSouth's Loop Distribution Facility when it is disconnected from the NID. **[Subject to Negotiation]**

30.9.1.2 **Distribution Media**

30.9.1.2.1 "Distribution Media" provides connectivity between the NID component of Loop Distribution and the terminal block on the customer-side of a Feeder Distribution Interface (FDI). The FDI is a device that terminates the Distribution Media and the Loop Feeder, and cross-connects them in order to provide a continuous transmission path between the NID and a telephone company central office. For loop plant that contains a Loop Concentrator/Multiplexer, the Distribution Media may terminate at the FDI (if one exists), or at a termination and cross-connect field associated with the Loop Concentrator/Multiplexer. This termination and cross-connect field may be in the form of an outside plant distribution closure, remote terminal or fiber node, or an underground vault.

30.9.1.2.2 The Distribution Media may be copper twisted pair, coax cable, or single or multi-mode fiber optic cable. A combination that includes two or more of these media is also possible. In certain cases, AT&T shall require a copper twisted pair Distribution Media even in instances where the Distribution Media for services that BellSouth offers is other than a copper facility.

30.9.2 **Loop Concentrator/Multiplexer**

30.9.2.1 The "Loop Concentrator/Multiplexer" is the Network Element that: (1) aggregates lower bit rate or bandwidth signals to higher bit rate or bandwidth signals (multiplexing); (2) disaggregates higher bit rate or bandwidth signals to lower bit rate or bandwidth signals (demultiplexing); (3) aggregates a specified number of signals or channels to fewer channels (concentrating); (4) performs signal conversion, including encoding of signals (*e.g.*, analog to digital and digital to analog signal conversion); and (5) in some instances performs electrical to optical (E/O) conversion.

30.9.2.2 The Loop Concentrator/Multiplexer function may be provided through a Digital Loop Carrier (DLC) system, channel bank, multiplexer or other equipment at which traffic is encoded and decoded, multiplexed and demultiplexed, or concentrated. In cases where this Network Element is required on an integrated DLC, BellSouth will provide it by a universal DLC alternative.

30.9.2.3 By no later than August 15, 1996, BellSouth shall provide AT&T with a proposal to develop the capacity to offer unbundled Loop Concentrator/Multiplexer. AT&T will respond to BellSouth's proposal by no later than October 1, 1996. If AT&T accepts BellSouth's proposal by November 1, 1996, BellSouth shall offer unbundled Loop Concentrator/Multiplexer by October 1, 1997.

30.9.3 **Loop Feeder**

30.9.3.1 The "Loop Feeder" is the Network Element that provides connectivity between (1) a FDI associated with Loop Distribution and a termination point appropriate for the media in a central office, or (2) a Loop Concentrator/Multiplexer provided in a remote terminal and a termination point appropriate for the media in a central office. BellSouth shall provide AT&T physical access to the FDI, and the right to connect the Loop Feeder to the FDI.

30.9.3.2 The physical medium of the Loop Feeder may be copper twisted pair, or single or multi-mode fiber as designated by AT&T. In certain cases, AT&T will require a copper twisted pair loop even in instances where the medium of the Loop Feeder for services that BellSouth offers is other than a copper facility.

30.9.4 **Local Switching**

30.9.4.1 "Local Switching" is the Network Element that provides the functionality required to connect the appropriate originating lines or trunks wired to the Main Distributing Frame (MDF) or Digital Cross Connect (DSX) panel to a desired terminating line or trunk. Such functionality shall include all of the features, functions, and capabilities that the underlying BellSouth switch that is providing such Local Switching function is then capable of providing, including but not limited to: line signaling and signaling software, digit reception, dialed number translations, call screening, routing, recording, call supervision, dial tone, switching, telephone number provisioning, announcements, calling features and capabilities (including call processing), Centrex, Automatic Call Distributor (ACD), Carrier pre-subscription (e.g. long distance carrier, intraLATA toll), Carrier Identification Code (CIC) portability capabilities, testing and other operational features inherent to the switch and switch software. It also provides access to transport, signaling (ISDN User Part (ISUP) and Transaction Capabilities Application Part (TCAP), and platforms such as adjuncts, Public Safety Systems (911), operator services, directory services and Advanced Intelligent Network (AIN). Remote Switching Module functionality is included in the Local Switching function. The switching capabilities used will be based on the line side features they support. Local Switching 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.

30.9.4.2 Local Switching, including the ability to route to AT&T's transport facilities, dedicated facilities and systems, shall be unbundled from all other unbundled Network Elements, i.e., Operator Systems, Common Transport, and Dedicated Transport. In addition, BellSouth agrees to work with AT&T and other ALECs on a routing resource conservation program and file a capacity expansion program to relieve routing resource constraints for 95% of the market in each state by December 31, 1997. Local Switching includes Data Switching as described in Attachment 2.

30.9.5 **"Operator Systems"** is the Network Element that provides operator and automated call handling and billing, special services, customer telephone listings and optional call completion services separate and distinct from local switching. The Operator Systems, Network Element provides two types of functions: Operator Service functions and Directory Service functions, each of which are described below.

30.9.5.1 **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 Interrupt (BLV/EI), Emergency Agency Call, Operator-assisted Directory Assistance, and Rate Quotes.

30.9.5.2 **Directory Service** provides local customer telephone number listings with the option to complete the call at the callers direction separate and distinct from local switching.

30.9.6 **"Common Transport"** is an interoffice transmission path between BellSouth Network Elements. Where BellSouth Network Elements are connected by intra-office wiring, such wiring is provided as a part of the Network Elements and is not Common Transport. BellSouth shall offer Common Transport as of November 1, 1996, at DS1, DS3, STS-1 or higher transmission bit rate circuits. Common Transport consists of BellSouth inter-office transport facilities and is distinct and separate from local switching.

30.9.7 **"Dedicated Transport"** is an interoffice transmission path between AT&T designated locations separate and distinct from local switching .

BellSouth shall offer AT&T Digital Cross Connect Systems (DCS). DCS provides for the automated cross connection of digital signals at DSO and higher bit rates. BellSouth shall offer DCS at DSO, DS1, DS3, STS-1, and other technically feasible cross connects as designated by AT&T. BellSouth agrees to provide operations support to AT&T twenty-four (24) hours a day, seven (7) days a week.

30.9.8 AT&T designated locations may include BellSouth central offices or other equipment locations, AT&T network components, other carrier network components, or customer premises. Dedicated Transport includes all Dedicated Transport technologies such as DS1, DS3, and SONET. In addition, Dedicated transport includes the Digital Cross-Connect System (DCS) functionality as an option. Transport facilities consist of optical fiber, copper, and coaxial cable.

30.9.8.1 **"Signaling Link Transport"** is a set of two or four dedicated 56 Kbps. transmission paths between AT&T-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity. BellSouth shall offer Signaling Link Transport as of November 1, 1996.

30.9.9 **"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 STPSs. BellSouth shall offer SS7 AIN unmediated access through its STPSs. BellSouth shall offer Signaling Transfer Points as of November 1, 1996.

30.9.10 **Service Control Points (SCPs)/Databases**

30.9.10.1 **Databases** are the Network Elements that provide the functionality for storage of, access to, and manipulation of information required to offer a particular service 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).

30.9.10.2 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. SCPs also provide operational interfaces to allow for provisioning, administration and maintenance of subscriber data and service application data. (*e.g.*, an 800 database stores customer record data that provides information necessary to route 800 calls).

30.9.11 **"Tandem Switching"** is the function that establishes a communications path between two switching offices through a third switching office (the tandem switch). BellSouth shall offer Tandem Switching as of November 1, 1996.

30.10 **Standards for Network Elements**

30.10.1 Each Network Element shall be equal to or better than the requirements set forth in the technical references, as well as any performance or other requirements, identified herein. If another Bell Communications Research, Inc. ("Bellcore"), or industry standard (e.g., American National Standards Institute ("ANSI")) technical reference or a more recent version of such reference sets forth a different requirement, AT&T may elect, where technically feasible, which standard shall apply.

30.10.2 If one or more of the requirements set forth in this Agreement are in conflict, AT&T shall elect which requirement shall apply.

30.10.3 Each Network Element provided by BellSouth to AT&T shall be at least equal in the quality of design, performance, features, functions and other characteristics, including but not limited to levels and types of redundant equipment and facilities for power, diversity and security, that BellSouth provides in the BellSouth network to itself, BellSouth's own customers, to a BellSouth affiliate or to any other entity.

30.10.3.1 BellSouth shall provide to AT&T, upon reasonable request, such engineering, design, performance and other network data sufficient for AT&T to determine that the requirements of this Section 30 are being met. In the event that such data indicates that the requirements of this Section 30 are not being met, BellSouth shall, within 10 days, cure any design, performance or other deficiency and provide new data sufficient for AT&T to determine that such deficiencies have been cured.

30.10.3.2 BellSouth agrees to work cooperatively with AT&T to provide Network Elements that will meet AT&T's needs in providing services to its customers.

30.10.4 Unless otherwise designated by AT&T, each Network Element and the interconnections between Network Elements provided by BellSouth to AT&T shall be made available to AT&T on a priority basis that is equal to or better than the priorities that BellSouth provides to itself, BellSouth's own customers, to a BellSouth affiliate or to any other entity.

To be negotiated after appropriate attachments are negotiated

PART III: ANCILLARY FUNCTIONS

No agreement on terms of Part III

31. **Introduction**

This Part III sets forth the Ancillary Functions that BellSouth agrees to offer to AT&T so that AT&T may obtain and use unbundled Network Elements or BellSouth services to provide services to its customers.

32. **BellSouth Provision of Ancillary Functions**

32.1 BellSouth will offer Ancillary Functions to AT&T on rates, terms and conditions that are just, reasonable, and non-discriminatory and in accordance with the terms and conditions of this Agreement.

32.2 BellSouth will permit AT&T to interconnect AT&T's equipment and facilities or equipment and facilities provided by AT&T or by third parties at any point designated by AT&T that is technically feasible.

32.3 AT&T may use any Ancillary Function to provide any feature, function, or service option that such Ancillary Function is capable of providing or any feature, function, or service option that is described in the technical references identified herein, or as may otherwise be designated by AT&T.

32.4 The Ancillary Functions that AT&T has identified as of the Effective Date of this Agreement are Collocation; Rights Of Way (ROW); Conduits and Pole Attachments and Used Transmission Media. AT&T and BellSouth agree that the Ancillary Functions identified in this Part III are not exclusive. Either party may identify additional or revised Ancillary Functions as necessary to improve services to customers, to improve network or service efficiencies or to accommodate changing technologies, customer demand, or regulatory requirements. Upon the identification of a new or revised Ancillary Function, the party so identifying the new or revised Ancillary Function shall notify the other Party of the existence of and the technical characteristics of the new or revised Ancillary Function. If the Parties do not agree on the existence of and the technical characteristics of the newly identified or revised Ancillary Function, any issues that have not been resolved by the parties within thirty (30) days of notification shall be submitted to the Dispute Resolution Procedures as set forth in Section 16 of the General Terms and Conditions. Within thirty (30) days of AT&T and BellSouth agreeing on the technical characteristics of the new or revised Ancillary Function, the Parties will attempt to agree on the rates, terms and conditions that would apply to such Ancillary Function and the effects, if any, on the price, performance or other terms and conditions of existing Network Elements or Ancillary Functions. If the parties do not agree on rates, terms and conditions and other matters set forth herein, any issues that have not been resolved by the parties within thirty

days shall be submitted to the Dispute Resolution Procedures as set forth in this Agreement. Additionally, if BellSouth provides any Ancillary Function that is not identified in this Agreement to itself, to its own customers, to a BellSouth affiliate or to any other entity, BellSouth will provide the same Ancillary Function to AT&T at rates, terms and conditions no less favorable to AT&T than those provided by BellSouth to itself or to any other party. The Ancillary Functions and requirements for each Ancillary Function are set forth in Attachment 3.

33. **Standards for Ancillary Functions**

33.1 Each Ancillary Function shall meet or exceed the requirements set forth in the technical references, as well as the performance and other requirements, identified herein. If another Bell Communications Research, Inc. ("Bellcore"), or industry standard (e.g., American National Standards Institute ("ANSI")) technical reference sets forth a different requirement, AT&T may elect, where technically feasible, which standard shall apply.

33.2 Each Ancillary Function provided by BellSouth to AT&T shall be at least equal in the quality of design, performance, features, functions and other characteristics, including, but not limited to levels and types of redundant equipment and facilities for diversity and security, that BellSouth provides in BellSouth network to itself, its own customers, its affiliates or any other entity.

33.3 BellSouth shall provide to AT&T, upon reasonable request, such engineering, design, performance and other network data sufficient for AT&T to determine that the requirements of this Agreement are being met. In the event that such data indicates that the requirements of this Agreement are not being met, BellSouth shall, within thirty (30) days, cure any design, performance or other deficiency and provide new data sufficient for AT&T to determine that such deficiencies have been cured.

33.3.1 BellSouth agrees to work cooperatively with AT&T to provide Ancillary Functions that will meet AT&T's needs in providing services to its customers.

33.4 Unless otherwise designated by AT&T, each Ancillary Function provided by BellSouth to AT&T shall be made available to AT&T on a priority basis that is at least equal to the priorities that BellSouth provides to itself, its customers, its affiliates or any other entity.

PART IV PRICING[1]:

34. **General Principles**

All services currently provided hereunder (including resold Local Services), Network Elements and Combinations and all new and additional services or Network Elements to be provided hereunder, shall be priced in accordance with all applicable provisions of the Act and the rules and orders of the Federal Communications Commission and any state public utility commission having jurisdiction over this Agreement.

34.1 **Most Favored Customer**

35. Pursuant to Section 5 of this Agreement, BellSouth will treat AT&T as a Most Favored Customer.

36. **Price Schedules**

36.1 **Local Service Resale**

The rates that AT&T shall pay to BellSouth for Local Services resale shall be BellSouth's Retail Rates less the Total Applicable Discount. If BellSouth reduces its Retail Rates after AT&T executes this Agreement, the Total Applicable Discount shall be applied to the reduced Retail Rates.

36.1.1 **Total Applicable Discount**

The Total Applicable Discount is the sum of three separate discounts: (i) the Region-wide Base Line discount; (ii) the Operational Parity Discount; and (iii) the Volume Discount.

36.1.1.1 **Region-Wide Base Line**

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[1] THIS PART IV CONTAINS AT&T PROPRIETARY AND COMMERCIALLY SENSITIVE INFORMATION WHICH MAY BE DISCLOSED BY BELLSOUTH ONLY TO EMPLOYEES OR REPRESENTATIVES OF BELLSOUTH WITH A "NEED TO KNOW" PURSUANT TO THE BELLSOUTH/AT&T CONFIDENTIALITY AGREEMENT ENTERED INTO FOR PURPOSES OF NEGOTIATIONS UNDER THE TELECOMMUNICATIONS ACT OF 1996. DISCLOSURE TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF AT&T IS PROHIBITED.

The Region-Wide Base Line discount equals twenty-five (25) percent and applies to any and all Telecommunication Services available for Resale as described in Part II of this agreement.

36.1.1.2 Operational Parity Discount

36.1.1.3 BellSouth shall provide the electronic interfaces required under this Agreement to enable AT&T to achieve operational parity with BellSouth by December 31, 1996. If the respective electronic interfaces are not fully operational by the dates specified in this Agreement then each of the specified elements of the Operational Parity discount shall become effective immediately at such specified dates and shall apply to all Telecommunication Services until the respective electronic interfaces are fully operational for ninety (90) consecutive days. BellSouth and AT&T shall agree on performance metrics that BellSouth must meet to be considered "fully operational."

Interface Elements	Operational Parity Discount
Pre-Service Ordering Interfaces	3%
Service Order Processing & Provisioning Interfaces	3%
Directory Listing and Line Information Database	3%
Service Trouble Reporting Interfaces	3%
Daily Local Usage Data	3%

36.1.1.3.1 **Non-Recurring Charges for OUTPLOC**

BellSouth will charge eight (8) dollars for each "switch as requested" until electronic interfaces are fully operational, at which time BellSouth will charge the same rate as it charges for PIC changes.

36.1.1.4 **Volume Discount**

AT&T agrees to purchase from BellSouth the number of lines (basic

residence lines plus business lines) specified below between the effective dates specified below and December 31, 1999. If AT&T meets its volume commitment levels before the specified effective dates, the discount rate corresponding to higher volume commitment level shall apply immediately to all Telecommunication Services.

Effective Date	Lines (Millions)	Volume Discount
4/1/97	.070	2.5%
7/1/97	.185	5.0%
10/1/97	.300	7.5%
1/1/98	.416	10.0%
4/1/98	.600	12.5%
7/1/98	.800	15.0%
10/1/98	1.000	17.5%
1/1/99	1.200	20.0%

BellSouth will not be required to make available for resale all of its Contract Service Arrangements, Special Arrangements, and Promotion after the applicable Volume Discount equals or exceeds fifteen (15) percent.

36.1.2 **Physical Arrangements**

BellSouth will make interconnection arrangements available at all tandem switching and end office switching locations.

At the discretion of AT&T, local interconnection may be accomplished via one-way local trunks, or two way local trunks, or AT&T may choose to deliver both Local Traffic and toll traffic over the same trunk group(s). With respect to the latter scenario, AT&T will have to provide an Percent Local Usage (PLU) to facilitate billing if it desires application of the local interconnection rate.

36.1.3 Compensation for the exchange of Local Traffic shall be accomplished initially on a "bill and keep" basis. After twelve months of performance under this Agreement, either BellSouth or AT&T may demand that compensation due both parties for the exchange of Local Traffic be set at an amount equal to the TSLRIC incurred by BellSouth to provide interconnection service on a per-minute-of-use basis. For the first twelve months of TSLRIC compensation, each party's payments will be limited to one hundred five (105) percent of the calculated reciprocal payment on a monthly billing basis. In no event shall TSLRIC exceed $0.001 per-minute-of-use during the term of this Agreement.

36.1.4 AT&T shall pay BellSouth the TSLRIC associated with the tandem switching function where local calls originated by an AT&T customer traverses a BellSouth tandem switch to be completed to another ALEC. In no event shall the TSLRIC exceed $0.0003 per-minute-of-use during the term of the Agreement.

36.1.5 Compensation for the termination of toll traffic and the origination of 800 traffic between the interconnecting parties shall equal the applicable interexchange access charges.

36.1.6 Standard meet point billing arrangements shall apply when the completion of a toll call involves both BellSouth and AT&T facilities.

36.1.7 In the event a toll call is completed through an interim service provider's number portability arrangement (e.g., remote call forwarding, flexible DID, etc.) to a Customer of the new Carrier of Record, the new Carrier of Record is entitled to applicable end office terminating switched access charges (e.g., local switching, line termination, carrier common line, residential interconnection charge, etc.) The company forwarding the call will be considered to be adequately compensated through the charges it receives for porting the number.

36.2 **Unbundled Network Elements/Ancillary Function**

The charges that AT&T shall pay to BellSouth for Unbundled Network elements are set forth in Table 1.

36.3 **Directory Listing**

BellSouth will not charge AT&T or its customers for (i) basic white page listings for residential customers; (ii) basic yellow page and business white page listings (as available to BellSouth customers) for business customers; or (iii) distribution of white and yellow page directories. BellSouth shall offer for resale enhanced directory listings at Retail Rates, less the Total applicable Discount, and pursuant to the terms and conditions offered to BellSouth customers.

36.3.1 AT&T is responsible for providing BellSouth with accurate directory information in an established format and in a timely manner.

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

BELLSOUTH TELECOMMUNICATIONS, INC.	AT&T Corp.
By:_____	By:_____
_____ Name	_____ Name
_____ Title	_____ Title
_____ Date	_____ Date

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ALTERNATIVE DISPUTE RESOLUTION

1. Purpose

Attachment 1 provides for the expeditious, economical, and equitable resolution of disputes between BellSouth and AT&T arising under this Agreement.

2. Exclusive Remedy

2.1 Negotiation and arbitration under the procedures provided herein shall be the exclusive remedy for all disputes between BellSouth and AT&T arising under or related to this Agreement including its breach, except for: (i) disputes arising pursuant to Attachment 6, Connectivity Billing, disputes or matters for which the Telecommunications Act of 1996 specifies a particular remedy or procedure. BellSouth and AT&T agree not to resort to any court, agency, or private group with respect to such disputes except in accordance with this Attachment.

2.1.1 If, for any reason, certain claims or disputes are deemed to be non-arbitrable, the non-arbitrability of those claims or disputes shall in no way affect the arbitrability of any other claims or disputes.

2.1.2 If, for any reason, the Federal Communications Commission or any other federal or state regulatory agency exercises jurisdiction over and decides any dispute related to this Agreement or to any BellSouth Tariff and, as a result, a claim is adjudicated in both an agency proceeding and an arbitration proceeding under this Attachment 1, the following provisions shall apply:

2.1.2.1 To the extent required by law, the agency ruling shall be binding upon the parties for the limited purposes of regulation within the jurisdiction and authority of such agency.

2.1.2.2 The arbitration ruling rendered pursuant to this Attachment 1 shall be binding upon the parties for purposes of establishing their respective contractual rights and obligations under this Agreement, and for all other purposes not expressly precluded by such agency ruling.

3. Informal Resolution of Disputes

3.1 The parties to this Agreement shall submit any and all disputes between BellSouth and AT&T for resolution to an Inter-Company Review Board consisting of one representative from AT&T at the Director-or-above level and

one representative from BellSouth at the Vice-President-or-above level (or at such lower level as each Party may designate).

3.2 The Parties may enter into a settlement of any dispute at any time.

4. **Initiation of an Arbitration**

If the Inter-Company Review Board is unable to resolve the dispute within thirty (30) days (or such longer period as agreed to in writing by the Parties) of such submission, and the Parties have not otherwise entered into a settlement of their dispute, either Party may initiate an arbitration in accordance with the rules of the American Arbitration Association ("AAA").

5. **Governing Rules for Arbitration**

The rules set forth below and the rules of the AAA shall govern all arbitration proceedings initiated pursuant to this Attachment; however, such arbitration proceedings shall not be conducted under the auspices of the AAA unless the Parties mutually agree. Where any of the rules set forth herein conflict with the rules of the AAA, the rules set forth in this Attachment shall prevail.

6. **Appointment and Removal of Arbitrator**

6.1 A sole Arbitrator (the "Arbitrator") will preside over each dispute submitted for arbitration under this Agreement.

6.2 The Parties shall appoint an Arbitrator who will serve for the term of this Agreement, unless removed pursuant to Section 6.4 of this Attachment 1. The appointment will be made by mutual agreement in writing within thirty (30) days after the Parties have initiated an arbitration proceeding (or such longer period as the Parties may mutually agree to in writing).

6.3 In the event that multiple arbitration proceedings are in progress simultaneously under this Agreement, the Arbitrator may request, in writing, the appointment of one or more additional Arbitrators. The Parties shall appoint such additional Arbitrators within thirty (30) days after receipt of such request (or within such longer period as the Arbitrator's request designates). The Arbitrator may assign arbitration proceedings to the additional Arbitrators in his or her sole discretion, provided that each such proceeding shall be presided over by a single Arbitrator. Additional Arbitrators shall have all the powers and responsibilities of the Arbitrator in proceedings over which they

preside, but shall serve only for the duration of the disputes for which they were retained.

6.4 The Parties may, by mutual written agreement, remove an Arbitrator at any time, and shall provide prompt written notice of removal to such Arbitrator. Notwithstanding the foregoing, any Arbitrator appointed pursuant to Section 6.6 of this Attachment 1 may be removed at any time unilaterally by either Party, upon thirty (30) days' prior written notice to the Arbitrator and to the other Party.

6.5 In the event that an Arbitrator resigns, is removed pursuant to Section 6.4 of this Attachment 1, or becomes unable to discharge his or her duties, the Parties shall, by mutual written Agreement, appoint a replacement Arbitrator within thirty (30) days after such resignation, removal, or inability, unless a different time period is mutually agreed upon in writing by the Parties. Any matters pending before the Arbitrator at the time he or she resigns, is removed, or becomes unable to discharge his or her duties, will be assigned to the replacement Arbitrator as soon as the replacement Arbitrator is appointed.

6.6 In the event that the Parties do not appoint an Arbitrator within the time limit set forth in Section 6.2 of this Attachment 1, an additional Arbitrator within the time limit set forth in Section 6.3 of this Attachment 1, or a replacement Arbitrator within the time limit set forth in Section 6.5 of this Attachment 1, either Party may apply to AAA for appointment of such Arbitrator. Prior to filing an application with the AAA, the Party filing such application shall provide ten (10) days' prior written notice to the other Party to this Agreement.

7. Duties and Powers of the Arbitrator

7.1 The Arbitrator shall receive complaints and other permitted pleadings, oversee discovery, administer oaths and subpoena witnesses pursuant to the United States Arbitration Act, hold hearings, issue decisions, and maintain a record of proceedings. The Arbitrator shall have the power to award any remedy or relief that a court with jurisdiction over this Agreement could order or grant, including, without limitation, the awarding of damages, pre-judgment interest, specific performance of any obligation created under the Agreement, issuance of an injunction, or imposition of sanctions for abuse or frustration of the arbitration process, except that the Arbitrator may not: (i) award punitive damages; (ii) or any remedy rendered unavailable to the Parties pursuant to Section 10.3 of this Agreement; or (iii) limit, expand, or otherwise modify the terms of this Agreement.

7.2

8. Discovery

8.1 BellSouth and AT&T shall attempt, in good faith, to agree on a plan for document discovery. Should they fail to agree, either BellSouth or AT&T may request a joint meeting or conference call with the Arbitrator. The Arbitrator shall resolve any disputes between BellSouth and AT&T, and such resolution with respect to the scope, manner, and timing of discovery shall be final and binding.

9. **Privileges**

9.1 Although conformity to certain legal rules of evidence may not be necessary interconnection with arbitrations initiated pursuant to this Attachment, the Arbitrator shall, in all cases, apply the attorney-client privilege and the work product immunity.

9.2 At no time, for any purposes, may a Party introduce into evidence or inform the Arbitrator of any statement or other action of a Party in connection with negotiations between the Parties pursuant to the Informal Resolution of Disputes provision of this Attachment 1.

10. **Location of Hearing**

Unless both Parties agree otherwise, hearings shall take place in Atlanta, Georgia.

11. **Decision**

The Arbitrator's decision and award shall be final and binding, and shall be in writing unless the Parties mutually agree to waive the requirement of a written opinion. Judgment upon the award rendered by the Arbitrator may be entered in any court having jurisdiction thereof. Either Party may apply to the United States District Court for the district in which the hearing occurred for an order enforcing the decision.

12. **Fees**

12.1 The Arbitrator's fees and expenses that are directly related to a particular proceeding shall be paid by the losing Party. In cases where the Arbitrator determines that neither Party has, in some material respect, completely prevailed or lost in a proceeding, the Arbitrator shall, in his or her discretion, apportion expenses to reflect the relative success of each Party. Those fees and expenses not directly related to a particular proceeding shall be shared

equally. In the event that the Parties settle a dispute before the Arbitrator reaches a decision with respect to that dispute, the Settlement Agreement must specify how the Arbitrator's fees for the particular proceeding will be apportioned.

12.2 In an action to enforce or confirm a decision of the Arbitrator, the prevailing Party shall be entitled to its reasonable attorneys' fees, expert fees, costs, and expenses without regard to the local rules of the district in which the suit is brought.

13. **Confidentiality**

13.1 BellSouth, AT&T, and the Arbitrator will treat the arbitration proceeding, including the hearings and conferences, discovery, or other related events, as confidential, except as necessary in connection with a judicial challenge to, or enforcement of, an award, or unless otherwise required by an order or lawful process of a court or governmental body.

13.2 In order to maintain the privacy of all arbitration conferences and hearings, the Arbitrator shall have the power to require the exclusion of any person, other than a Party, counsel thereto, or other essential persons.

13.3 To the extent that any information or materials disclosed in the course of an arbitration proceeding contains proprietary or confidential Information of either Party, it shall be safeguarded in accordance with Section 16 of this Agreement. However, nothing in Section 16 of this Agreement shall be construed to prevent either Party from disclosing the other Party's Information to the Arbitrator in connection with or in anticipation of an arbitration proceeding. In addition, the Arbitrator may issue orders to protect the confidentiality of proprietary information, trade secrets, or other sensitive information.

14. **Service of Process**

Service may be made by submitting one copy of all pleadings and attachments and any other documents requiring service to each Party and one copy to the Arbitrator. Service shall be deemed made (i) upon receipt if delivered by hand; (ii) after three (3) business days if sent by first class certified U.S. mail; (iii) the next business day if sent by overnight courier service; (iv) upon confirmed receipt if transmitted by facsimile. If service is by facsimile, a copy shall be sent the same day by hand delivery, first class U.S. mail, or overnight courier service.

14.1 Service by AT&T to BellSouth and by BellSouth to AT&T at the address designated for delivery of notices in this Agreement shall be deemed to be service to BellSouth or AT&T, respectfully.

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SERVICE DESCRIPTION: UNBUNDLED NETWORK ELEMENTS

1. **Introduction**

This Attachment sets forth the descriptions and requirements for unbundled network elements that BellSouth agrees to offer to AT&T under this Agreement.

2. **Contiguous Loop**

The appropriate technical arrangement for a contiguous unbundled loop is a voice grade local loop which is available in the State Access Services Tariff (section E7, Voice Grade Local Channel) today. These local channels provide the facilities from an end user's premises to that end user's serving wire center. Additionally, any interoffice transport facilities necessary to connect a local channel from the end user's serving wire center to the new entrant's point of interface are also available in the Access Services Tariff.

3. Where BellSouth uses integrated Digital Loop Carrier (DLCs) systems to provide the local loop, BellSouth will make alternative arrangements to permit AT&T to order a contiguous unbundled local loop. ~~These arrangements may, at BellSouth's option, include the following: provide AT&T with copper facilities that are acceptable to AT&T; deploy Virtual Remote Terminals; allow AT&T to purchase the entire integrated DLC; or convert integrated DLCs to non-integrated systems.~~ These arrangements are, at BellSouth's option, one of the following alternatives

: Alternative 1: Reassign the loop from an integrated carrier system and use a physical copper pair.

This is a technically feasible alternative in cases where sufficient copper pair facilities are available. If sufficient physical pairs are available, BellSouth will assign the unbundled loop to a physical pair. Available facilities are those that are generally available for use rather than those specifically placed there for other reasons. Such cases could include but are not limited to the following: Unloaded pairs in a loaded area reserved for digital services or limited physical pairs placed in a carrier area for services that cannot be integrated.

Alternative 2: For Next Generation Digital Loop Carrier (NGDLC) systems, groom the integrated loop to a virtual Remote Terminal (RT) set up for universal service.

This is a technically feasible alternative in cases where NGDLC facilities are available. Both of the NGDLC systems currently approved for use in the BellSouth network have "grooming" capabilities. However, the availability of this option is limited. Given that NGDLC is still a relatively new technical capability, there is not a large amount of NGDLC in the BellSouth network at present. Also, availability will be limited due to the fact that the universal portion of a NGDLC system is sized for those special service circuits that cannot be integrated that were forecast for a given site. This option is available only where our two existing fully approved NGDLC systems are operating (RELTEC DISC*S and DSC Litespan 2000). As in the case of Alternative 1 described above, available facilities are those that are generally available for use rather than those specifically placed there for other reasons.

Loop Concentration

BellSouth offers loop concentration at BellSouth's central office. The actual method of providing this concentration will depend upon office specific capabilities, the current serving arrangement for each unbundled loop, and the OLEC's requirements. BST can concentrate loops from a given wire center onto a digital transport facility. Interfaces will be at the DS1, or higher, rate. The Channel Bank may be a TR-08 , Mode 2 TR-08 or aTR-303 channel bank, or some other multiplexer (chosen by AT&T from a list of BellSouth standards). BellSouth cannot concentrate loops from multiple wire centers onto a single DS1 digital transport facility.

4. **Loop Distribution**

~~Loop Distribution is a Network Element that is composed of two distinct component parts: a Network Interface Device and Distribution Media. Each component part is defined in detail below.~~

4.1 **Network Interface Device**

~~4.1.1~~ **Definition: Note: Even though it is not technically feasible to unbundle the network interface device, BellSouth has offered and**

agreed to provide a new NID at AT&T's request for time and material charges.

~~The Network Interface Device (NID) is a single line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit. The fundamental function of the NID is to establish the official network demarcation point between a carrier and its end-user customer. The NID features two independent chambers or divisions which separate the service provider's network from the customer's inside wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider, and the end-user customer each make their connections. The NID provides a protective ground connection, and is capable of terminating cables such as twisted pair cable.~~

~~With respect to multiple-line termination devices, AT&T shall specify the quantity of NIDs it requires within such device.~~

~~4.1.1.1~~ ~~Figure 1 shows a schematic of a NID.~~

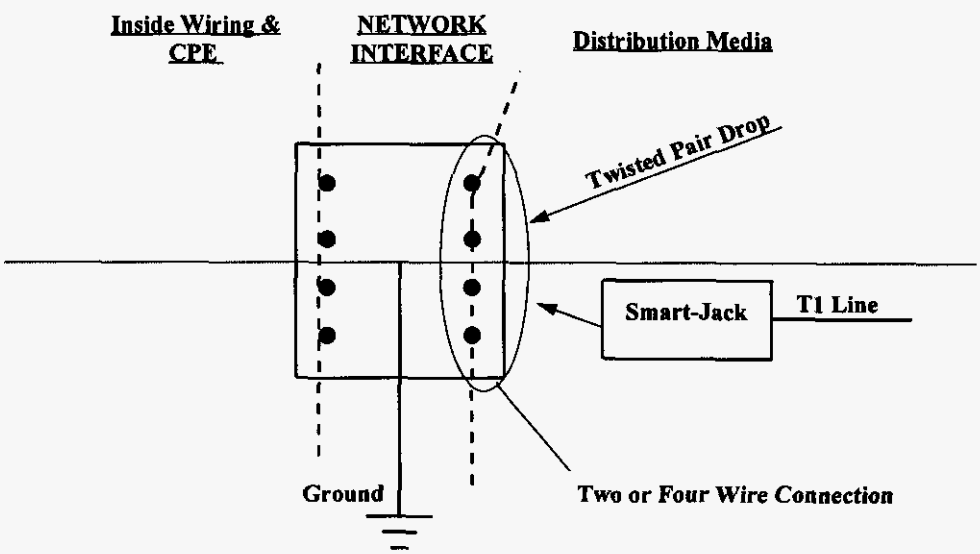


Figure 1 - Network Interface Device

~~4.1.2~~ ~~**Technical Requirements**~~

~~4.1.1.1~~ ~~The Network Interface Device shall provide a clean, accessible point of connection for the inside wiring and for the Distribution Media and shall maintain a connection to ground that meets the requirements set forth below.~~

4.1.1.1 The NID shall be capable of transferring electrical analog or digital signals between the customer's inside wiring and the Distribution Media.

4.1.1.1 All NID posts or connecting points shall be in place, secure, usable and free of any rust or corrosion. The protective ground connection shall exist and be properly installed. The ground wire will also be free of rust or corrosion and have continuity relative to ground.

4.1.1.1 The NID shall be capable of withstanding all normal local environmental variations.

4.1.1.1 Where the NID is not located in a larger, secure cabinet or closet, the NID shall be protected from physical vandalism. The NID shall be physically accessible to AT&T designated personnel. In cases where entrance to the customer premises is required to give access to the NID, AT&T shall obtain entrance permission directly from the customer.

4.1.1.1 BellSouth shall offer the NID together with, and separately from the Distribution Media component of Loop Distribution.

4.1.2 **Interface Requirements**

4.1.1.1 The NID shall be the interface to customers' premises wiring for alternative loop technologies.

4.1.1.1 BellSouth shall permit AT&T to remove any existing terminations to the NID and replace them with terminations designated by AT&T. BellSouth shall not remove or alter customer inside wiring. If AT&T requires a NID without other subloop elements, AT&T shall provide and BellSouth shall accept AT&T's certified grounding of BellSouth's Loop[Distribution Facility when it is disconnected from the NID. **[Subject to Negotiation]**

4.1.1.1 The NID shall be equal to or better than all of the requirements for NIDs set forth in the following technical references:

4.1.1.1.1 Bellcore Technical Advisory TA-TSY-000120 "Customer Premises or Network Ground Wire";

4.1.1.1.1 Bellcore Generic Requirement GR-49-CORE "*Generic Requirements for* Outdoor Telephone Network Interface Devices";

4.1.1.1.1 Bellcore Technical Requirement TR-NWT-00239 "Indoor Telephone Network Interfaces";

4.1.1.1.1 Bellcore Technical Requirement TR-NWT-000937 "Generic Requirements for Outdoor and Indoor Building Entrance"; and,

~~4.1.1.1.1~~ ~~Bellcore Technical Requirement TR-NWT-000133 "Generic Requirements for Network Inside Wiring."~~

4.2 **Distribution Media**

4.2.1 **Definition:**

~~4.2.1.1~~ ~~Distribution Media provides connectivity between the NID component of Loop Distribution and the terminal block on the customer side of a Feeder Distribution Interface (FDI). The FDI is a device that terminates the Distribution Media and the Loop Feeder, and cross-connects them in order to provide a continuous transmission path between the NID and a telephone company central office. For loop plant that contains a Loop Concentrator/Multiplexer, the Distribution Media may terminate at the FDI (if one exists), or at a termination and cross-connect field associated with the Loop Concentrator/Multiplexer. This termination and cross-connect field may be in the form of an outside plant distribution closure, remote terminal or fiber node, or an underground vault.~~

~~4.2.1.1~~ ~~The Distribution Media may be copper twisted pair, coax cable, or single or multi-mode fiber optic cable. A combination that includes two or more of these media is also possible. In certain cases, AT&T shall require a copper twisted pair Distribution Media even in instances where the Distribution Media for services that BellSouth offers is other than a copper facility.~~

~~4.2.2~~ ~~**Requirements for All Distribution Media**~~

~~4.2.1.1~~ ~~Distribution Media shall be capable of transmitting signals for the following services (as needed by AT&T to provide end-to-end service capability to its customer):~~

~~4.2.1.1.1~~ ~~2-wire voice grade basic telephone services;~~

~~4.2.1.1.1~~ ~~2-wire ISDN;~~

~~4.2.1.1.1~~ ~~2-wire Centrex;~~

~~4.2.1.1.1~~ ~~2 and 4-wire PBX lines or trunks;~~

~~4.2.1.1.1~~ ~~2 and 4-wire voice grade private lines and foreign exchange lines;~~

~~4.2.1.1.1~~ ~~4-wire digital data (2.4Kbps through 64Kbps and n times 64Kbps (where n ≤ 24); and~~

~~4.2.1.1.1~~ ~~4-wire DS1 (switched or private line).~~

4.2.1.1 Distribution Media shall transmit all signaling messages or tones. Where the Distribution Media includes any active elements that terminate any of the signaling messages or tones, these messages or tones shall be reproduced by the Distribution Media at the interfaces to an adjacent Network Element in a format that maintains the integrity of the signaling messages or tones.

4.2.1.1 Distribution Media shall support functions associated with provisioning, maintenance and testing of the Distribution Media itself, as well as provide necessary access to provisioning, maintenance and testing functions for Network Elements to which it is associated.

4.2.1.1 Distribution Media shall provide performance monitoring of the Distribution Media itself, as well as provide necessary access for performance monitoring for Network Elements to which it is associated.

4.2.1.1 Distribution Media shall be equal to or better than all of the applicable requirements set forth in the following technical references:

4.2.1.1.1 Bellcore TR-TSY-000057, "Functional Criteria for Digital Loop Carrier Systems"; and,

4.2.1.1.1 Bellcore TR-NWT-000393, "Generic Requirements for ISDN Basic Access Digital Subscriber Lines."

4.2.1.1 BellSouth shall provide AT&T with physical access to, and the right to connect to, the FDI.

4.2.1.1.1 BellSouth shall offer Distribution Media together with, and separately from the NID component of Loop Distribution.

4.2.2 **Additional Requirements for Special Copper Distribution Media**

In addition to Distribution Media that supports the requirements in Section 2.2.2 (above), AT&T may designate Distribution Media to be copper twisted pair which are unfettered by any intervening equipment (*e.g.*, filters, load coils, range extenders) so that AT&T can use these loops for a variety of services by attaching appropriate terminal equipment at the ends.

4.2.2 **Additional Requirements for Fiber Distribution Media**

Fiber optic cable Distribution Media shall be capable of transmitting signals for the following services in addition to the ones under Section 2.2.2.1 above:

4.2.1.1 DS3 rate private line service;

4.2.1.1 Optical SONET OCn rate private lines (where n is defined in the technical reference in Section 3.2.4.4; and

4.2.1.1 Analog Radio Frequency based services (*e.g.*, Cable Television (CATV)

4.2.2 **Additional Requirements for Coaxial Cable Distribution Media**

Coaxial cable (coax) Distribution Media shall be capable of transmitting signals for the following services in addition to the ones under Section 2.2.2.1 above:

4.2.1.1 Broadband data, either one way or bi-directional, symmetric or asymmetric, at rates between 1.5 Mb/s and 45 Mb/s; and

4.2.1.1 Analog Radio Frequency based services (e.g. CATV).

4.2.2 **Interface Requirements**

4.2.1.1 Signal transfers between the Distribution Media and the NID and an adjacent Network Element shall have levels of degradation that are within the performance requirements set forth in Section 13.2 of this Attachment 2.

4.2.1.1 Distribution Media shall be equal to or better than each of the applicable interface requirements set forth in the following technical references:

4.2.1.1.1 Bellcore TR-NWT-000049, "Generic Requirements for Outdoor Telephone Network Interface Devices," Issued December 1,1994;

4.2.1.1.1 Bellcore TR-NWT-000057, "Functional Criteria for Digital Loop Carrier Systems," Issued January 2, 1993;

4.2.1.1.1 Bellcore TR-NWT-000393, "Generic Requirements for ISDN Basic Access Digital Subscriber Lines";

4.2.1.1.1 Bellcore TR-NWT-000253, SONET Transport Systems: Common Criteria (A module of TSGR, FR-NWT-000440), Issue 2, December 1991;

4.2.1.1.1 AT&T Data Communications Technical Reference TR 62310, DS0 Digital Local Channel Description and Interface Specification, August 1993; Also Addendum 1 and Addendum 2;

4.2.1.1.1 AT&T Technical Reference TR 62411, ACCUNET T1.5 Service Description and Interface Specification, December 1990; Addendum 1, March 1991; Addendum 2, October 1992; and

4.2.1.1.1 AT&T Technical Reference TR 62421, ACCUNET Spectrum of Digital Services Description and Interface Specification, December 1989; Also TR 62421A Addendum 2, November 1992.

5. Loop Concentrator/Multiplexer

5.1 **Definition:**

5.1.1 The Loop Concentrator/Multiplexer is the Network Element that: (1) aggregates lower bit rate or bandwidth signals to higher bit rate or bandwidth signals (multiplexing); (2) disaggregates higher bit rate or bandwidth signals to lower bit rate or bandwidth signals (demultiplexing); (3) aggregates a specified number of signals or channels to fewer channels (concentrating); (4) performs signal conversion, including encoding of signals (*e.g.*, analog to digital and digital to analog signal conversion); and (5) in some instances performs electrical to optical (E/O) conversion.

5.1.1 The Loop Concentrator/Multiplexer function may be provided through a Digital Loop Carrier (DLC) system, channel bank, multiplexer or other equipment at which traffic is encoded and decoded, multiplexed and demultiplexed, or concentrated.

5.1 **Technical Requirements**

5.1.1 The Loop Concentrator/Multiplexer shall be capable of performing its functions on the signals for the following services, including but not limited to, (as needed by AT&T to provide end-to-end service capability to its customer):

5.1.1.1 2-wire voice grade basic telephone services;

5.1.1.1 2-wire ISDN;

5.1.1.1 2-wire Centrex;

5.1.1.1 2 and 4-wire PBX lines or trunks;

5.1.1.1 2 and 4-wire voice grade private lines and foreign exchange lines;

5.1.1.1 4-wire digital data (2.4Kbps through 64Kbps and n times 64Kbps (where $n \leq 24$);

5.1.1.1 4-wire DS1 (switched or private line);

5.1.1.1 DS-3 rate private lines;

~~5.1.1.1~~ ~~Optical SONET rate private lines; and~~

~~5.1.1.1~~ ~~Coin services~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall perform the following functions as appropriate:~~

~~5.1.1.1~~ ~~Analog to digital signal conversion of both incoming and outgoing (upstream and downstream) analog signals;~~

~~5.1.1.1~~ ~~Multiplexing of the individual digital signals up to higher transmission bit rate signals (*e.g.*, DS0, DS1, DS3, or optical SONET rates) for transport to BellSouth central office through the Loop Feeder; and~~

~~5.1.1.1~~ ~~Concentration of end-user customer signals onto fewer channels of a Loop Feeder (The concentration ratio provided for the Network Elements requested by AT&T shall be no higher than the Loop Concentrator/Multiplexer concentration ratio BellSouth uses to provide service to its own customers.).~~

~~5.1.1~~ ~~BellSouth shall provide power for the Loop Concentrator/ Multiplexer, through a non-interruptible source if the function is performed in a central office, or from a commercial AC power source with battery backup if the equipment is located outside a central office. Such power shall also adhere to the requirements stated in the Section 2 Attachment 3.~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall be provided to AT&T in accordance with the following Technical References:~~

~~5.1.1.1~~ ~~Bellcore TR-NWT-000057, Functional Criteria for Digital Loop Carrier Systems, Issue 2, January 1993.~~

~~5.1.1.1~~ ~~Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines.~~

~~5.1.1.1~~ ~~ANSI T1.106 - 1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode).~~

~~5.1.1.1~~ ~~ANSI T1.105 - 1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats.~~

~~5.1.1.1~~ ~~ANSI T1.102 - 1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces.~~

~~5.1.1.1~~ ~~ANSI T1.403-1989, American National Standard for Telecommunications - Carrier to Customer Installation, DS1 Metallic Interface Specification.~~

~~5.1.1.1~~ ~~Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET), Common Generic Criteria.~~

~~5.1.1.1~~ ~~AT&T Data Communications Technical Reference TR 62310, DS0 Digital Local Channel Description and Interface Specification, August 1993; Also Addendum 1 and Addendum 2.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 62411, ACCUNET T1.5 Service Description and Interface Specification, December 1990; Addendum 1, March 1991; Addendum 2, October 1992.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 62421, ACCUNET Spectrum of Digital Services Description and Interface Specification, December 1989; Also TR 62421A Addendum 2, November 1992.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 54014, ACCUNET T45 Reserved Services - Service Description and Interface Specification.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 54018, ACCUNET T155 Service Description and Interface Specification.~~

~~5.1.1.1~~ ~~Bellcore TR-TSY-000008, Digital Interface Between the SLC 96 Digital Loop Carrier System and a Local Digital Switch, Issue 2, August 1987.~~

~~5.1.1.1~~ ~~Bellcore TR-NWT-000303, Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, Issue 2, December 1992; Rev.1, December 1993; Supplement 1, December 1993.~~

~~5.1.1.1~~ ~~Bellcore TR-TSY-000673, Operations Systems Interface for an IDLC System, (LSSGR) FSD 20-02-2100, Issue 1, September 1989.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 62411, ACCUNET T1.5 Service Description and Interface Specification, December 1990; Addendum 1, March 1991; Addendum 2, October 1992.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 62421, ACCUNET Spectrum of Digital Services Description and Interface Specification, December 1989; Also TR 62421A Addendum 2, November 1992.~~

~~5.1.1.1~~ ~~AT&T Technical Reference TR 54014, ACCUNET T45 Reserved Services - Service Description and Interface Specification.~~

5.1.1.1 AT&T Technical Reference TR 54018, ACCUNET T155 Service Description and Interface Specification.

5.1 **Requirements for an Intelligent Loop Concentrator/Multiplexer**

5.1.1 In addition to the basic functions described above for the Loop Concentrator/Multiplexer, the Intelligent Loop Concentrator/Multiplexer (IC/M) shall provide facility grooming, facility test functions, format conversion and signaling conversion as appropriate.

5.1.1 At AT&T's option, BellSouth shall provide immediate and continuous configuration and reconfiguration of the channels within the physical interfaces (i.e., of cross connects, as well as direct AT&T control of such configurations and reconfigurations) on the underlying device that provides such IC/M function.

5.1.1 At AT&T's option, BellSouth shall provide scheduled configuration and reconfiguration of the channels within the physical interfaces (i.e., of cross connects, as well as direct AT&T control of such configurations and reconfigurations) on the underlying device that provides such IC/M function.

5.1.1 The underlying equipment that provides such IC/M function shall continuously monitor protected circuit packs and redundant common equipment.

5.1.1 The underlying equipment that provides such IC/M function shall automatically switch to a protection circuit pack on detection of a failure or degradation of normal operation.

5.1.1 The underlying equipment that provides such IC/M function shall be equipped with a redundant power supply or a battery back-up.

5.1.1 At AT&T's option, BellSouth shall provide AT&T with real time performance monitoring and alarm data on IC/M elements that may affect AT&T's traffic. This includes IC/M hardware alarm data and facility alarm data on the underlying device that provides such IC/M function.

5.1.1 At AT&T's option, BellSouth shall provide AT&T with real time ability to initiate tests on the underlying device that provides such IC/M function integrated test equipment as well as other integrated functionality for routine testing and fault isolation.

5.1.1 The IC/M shall be capable of performing signaling conversion and data conditioning in compliance with AT&T Technical Reference TR 62421 ACCUNET® Spectrum of Digital Services, December 1989 and AT&T

~~Technical Reference TR 62310 DS0 Digital Local Channel Description and Interface Specification, August 1993, including current addendums.~~

~~5.1~~ **~~Interface Requirements~~**

~~The Loop Concentrator/Multiplexer shall meet the following interface requirements, as appropriate for the configuration that AT&T designates:~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall provide an analog voice frequency copper twisted pair interface to the local switch (*e.g.*, universal DLC applications), as described in the references in Section 3.2.4.~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall provide digital 4-wire electrical interfaces to the local digital switch, as described in the references in Section 3.2.3.1.~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall provide optical SONET interfaces at rates of OC-1, OC-3, OC-12 and OC-48#, # as described in the references in Section 3.2.3.1.4.~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall provide the Bellcore TR-303 DS1 level interface to a Local Digital switch. Loop Concentrator/Multiplexer shall provide Bellcore TR-08 modes 1&2 DS1 interfaces when designated by AT&T. Such interface requirements are specified in the references in Section 3.2.4.~~

~~5.1.1~~ ~~The Loop Concentrator/Multiplexer shall provide Integrated Network Access (INA) DS1s for non-locally switched or non-switched special services, as described in the references in Section 3.2.4.~~

~~5.1~~ ~~The Intelligent Loop Concentrator/Multiplexer shall be provided to AT&T in accordance with the Technical References set forth in Sections 3.2.3.1.13 through 3.2.1.19. above.~~

6. Loop Feeder

This functionality is available as a dedicated point to point circuit, via the terms and conditions found in BellSouth's existing State Special Access tariff (Section E7).

~~6.1~~ **~~Definition:~~**

~~6.1.1~~ The Loop Feeder is the Network Element that provides connectivity between (1) a FDI associated with AT&T's Loop Distribution and a termination-point appropriate for the media in a central office, or (2) an AT&T Loop-Concentrator/Multiplexer provided in a remote terminal and a

termination point appropriate for the media in a central office. ~~BellSouth shall provide AT&T physical access to the FDI, and the right to connect, the Loop Feeder to the FDI.~~

~~6.1.2~~ ~~The physical medium of the Loop Feeder may be copper twisted pair, or single or multi-mode fiber as designated by AT&T. In certain cases, AT&T will require a copper twisted pair loop even in instances where the medium of the Loop Feeder for services that BellSouth offers is other than a copper facility.~~

~~6.2~~ ~~**Requirements for All Loop Feeder Media**~~

~~6.1.2~~ ~~The Loop Feeder shall be capable of transmitting analog voice frequency, basic rate ISDN, digital data, or analog radio frequency signals.~~

~~6.1.2~~ ~~BellSouth shall provide appropriate power for all active elements in the Loop Feeder. BellSouth will provide appropriate power from a central office source, or from a commercial AC source with rectifiers for AC to DC conversion and 8-hour battery back-up when the equipment is located in an outside plant Remote Terminal (RT).~~

~~6.2~~ ~~**Additional Requirements for Special Copper Loop Feeder Medium**~~

~~In addition to requirements set forth in Section 4.2 (above), AT&T may require BellSouth to provide copper twisted pair Loop Feeder which are unfettered by any intervening equipment (e.g. filters, load coils, and range extenders), so that AT&T can use these Loop Feeders for a variety of services by attaching appropriate terminal equipment at the ends.~~

~~6.2~~ ~~**Additional Technical Requirements for DS1 Conditioned Loop Feeder**~~

~~In addition to the requirements set forth in Section 4.2 above, AT&T may designate that the Loop Feeder be conditioned to transport a DS1 signal. The requirements for such transport are defined in the references below in Section 4.6.~~

~~6.2~~ ~~**Additional Technical Requirements for Optical Loop Feeder**~~

~~In addition to the requirements set forth in Section 4.2 above, AT&T may designate that Loop Feeder will transport DS3 and OCn (where n is defined in the technical reference in Section 3.2.4.4. The requirements for such transport are defined in the references below in Section 4.6.~~

~~6.2~~ ~~BellSouth shall offer Loop Feeder in accordance with the requirements set forth in the following Technical References:~~

6.1.2 AT&T Technical Reference TR 62415 "Access Specifications for High Capacity DS1/DS3 Dedicated Digital Service";

6.1.2 Bellcore Technical Requirement TR-NWT-000499, Issue 5, December 1993, section 7 for DS1 interfaces;

6.1.2 AT&T Data Communications Technical Reference TR 62310, DS0 Digital Local Channel Description and Interface Specification, August 1993; Also Addendum 1 and Addendum 2.

6.1.2 Bellcore TR-NWT-000057, Functional Criteria for Digital Loop Carrier Systems, Issue 2, January 1993.

6.1.2 Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines.

6.1.2 ANSI T1.106 - 1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode).

6.1.2 ANSI T1.105 - 1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats.

6.1.2 ANSI T1.102 - 1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces.

6.1.2 ANSI T1.403- 1989, American National Standard for Telecommunications - Carrier to Customer Installation, DS1 Metallic Interface Specification.

6.1.2 Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET), Common Generic Criteria.

6.1.2 AT&T Technical Reference TR 62411, ACCUNET T1.5 Service Description and Interface Specification, December 1990; Addendum 1, March 1991; Addendum 2, October 1992.

6.1.2 AT&T Technical Reference TR 62421, ACCUNET Spectrum of Digital Services Description and Interface Specification, December 1989; Also TR 62421A Addendum 2, November 1992.

6.1.2 AT&T Technical Reference TR 54014, ACCUNET T45 Reserved Services - Service Description and Interface Specification.

6.1.2 AT&T Technical Reference TR 54018, ACCUNET T155 Service Description and Interface Specification.

~~6.2~~ ~~**Interface Requirements**~~

~~6.1.2~~ ~~The Loop Feeder point of termination (POT) within a BellSouth central office will be as follows:~~

~~6.1.1.1~~ ~~Copper twisted pairs shall terminate on the MDF;~~

~~6.1.1.1~~ ~~DS1 Loop Feeder shall terminate on a DSX1, DCS1/0 or DCS3/1; and~~

~~6.1.1.1~~ ~~Fiber Optic cable shall terminate on a LGX.~~

~~6.1.2~~ ~~When requested by AT&T:~~

~~The Loop Feeder shall provide the analog voice frequency copper twisted pair interface for switched or private line services, as defined in the references in Section 4.6.3.~~

~~6.1.1.1~~ ~~The Loop Feeder shall provide the ISDN basic rate interface, as defined in the references in Section 4.6.3, to the local digital switch designated by AT&T.~~

~~6.1.1.1~~ ~~The Loop Feeder shall provide digital 4-wire electrical interfaces for digital data services, as defined in the references in Section 4.6.3.~~

~~6.1.1.1~~ ~~The Loop Feeder shall provide the standard electrical DS1 interface for applications utilizing DS1 feeder, as defined in the references in Section 4.6.3.~~

~~6.1.1.1~~ ~~The Loop Feeder shall provide optical SONET interfaces at one or more of the following rates, OC-1, OC-3, OC-12 or OC-48, as defined in the references in Section 4.6.3.~~

~~6.1.2~~ ~~Loop Feeder shall be equal to or better than each of the applicable interface requirements set forth in the following technical references:~~

~~6.1.1.1~~ ~~Bellcore TR-TSY-000008, Digital Interface Between the SLC 96 Digital Loop Carrier System and a Local Digital Switch, Issue 2, August 1987.~~

~~6.1.1.1~~ ~~Bellcore TR-NWT-000303, Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, Issue 2, December 1992; Rev.1, December 1993; Supplement 1, December 1993.~~

~~6.1.1.1~~ ~~AT&T Technical Reference TR 62411, ACCUNET T1.5 Service Description and Interface Specification, December 1990; Addendum 1, March 1991; Addendum 2, October 1992.~~

7.1 **Local Switching Definition:**

7.1.1 Local Switching is the Network Element that provides the functionality required to connect the appropriate originating lines or trunks wired to the Main Distributing Frame (MDF) or Digital Cross Connect (DSX) panel to a desired terminating line or trunk. Such functionality shall include all of the features, functions, and capabilities that the underlying BellSouth switch that is providing such Local Switching function is then capable of providing, including but not limited to: line signaling and signaling software, digit reception, dialed number translations, call screening, routing, recording, call supervision, dial tone, switching, telephone number provisioning, announcements, calling features and capabilities (including call processing), Centrex, Automatic Call Distributor (ACD), Carrier pre-subscription (e.g. long distance carrier, intraLATA toll), Carrier Identification Code (CIC) portability capabilities, testing and other operational features inherent to the switch and switch software. It also provides access to transport, signaling (ISDN User Part (ISUP) and Transaction Capabilities Application Part (TCAP), and platforms such as adjuncts, Public Safety Systems (911), *BellSouth* operator services, *BellSouth* directory services, *BellSouth repair service* and Advanced Intelligent Network (AIN) *services*. Remote Switching Module functionality is included in the Local Switching function. The switching capabilities used will be based on the line side features they support. Local Switching 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.

~~7.1.2 Local Switching also includes Data Switching, which provides:~~

~~7.1.1.1 For Asynchronous Transfer Mode (ATM) and Frame Relay Service, data services switching functionality that is required to connect the facilities from the User to Network Interface (UNI) to either another UNI or to a communications path at the Network to Network Interface (NNI). In this case, the purpose of Data Switching is to terminate, concentrate, and switch data traffic from Customer Premises Equipment (CPE) in the digital format consistent with the UNI specification for the customer. Data Switching also provides connectivity for the purpose of conveying the customer data to its final destination. The UNI and NNI are industry standard interface specifications that contain physical transmission layer requirements for speeds and line formats; data link layer requirements for the format of the data units that are passed between the user and the network; and protocol requirements for control procedures used in managing the interface. Data Switching provides this functionality in two distinct formats, ATM and Frame Relay. As these formats each have their own sets of industry UNI and NNI specifications, they are described separately below.~~

~~7.1.1.1 For ISDN Packet and Circuit Switched Data service, the data switching functionality that is required to connect between industry standard ISDN interfaces. In this case, the purpose of Data Switching is to terminate, concentrate, and switch data traffic from Customer Premises Equipment (CPE) in the digital format consistent with~~

~~ISDN standards. Data Switching also provides connectivity for the purpose of conveying the customer data to its final destination.~~

7.2 The requirements set forth in this Section 5.2 apply to Local Switching, but not to the Data Switching function of Local Switching.

7.2.1 **Technical Requirements**

7.2.1.1 Local Switching shall be equal to or better than the requirements for Local Switching set forth in Bellcore's Local Switching Systems General Requirements (FR-NWT-000064).

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

~~7.2.1.3 BellSouth local switch shall maintain translations necessary to direct AIN queries for select lines and dialing sequences to the AT&T SS7 network.~~

7.2.1.3 ~~BellSouth local switch shall accept AIN responses from the AT&T SCP via SS7 network interconnection then continue call handling according to instructions contained in the response~~.

~~7.2.1.3 BellSouth shall route calls on a per line or per screening class basis to (1) BellSouth platforms providing Network Elements or additional requirements, (2) AT&T designated platforms, or (3) third party platforms.~~

~~7.2.1.3 BellSouth shall provide recorded announcements as designated by AT&T and call progress tones to alert callers of call progress and disposition.~~

~~7.2.1.3 BellSouth shall activate service for an AT&T customer or network interconnection on any of the Local Switching interfaces. This includes provisioning changes to change a customer from BellSouth's services to AT&T's services without loss of feature functionality.~~

~~7.2.1.3 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 schedule designated by AT&T.~~

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

~~7.2.1.4 BellSouth shall control congestion points such as those caused by radio station call-ins, and network routing abnormalities, using capabilities such as Automatic Call Gapping, Automatic Congestion Control, and Network Routing Overflow.~~

~~7.2.1.4 BellSouth shall perform manual call trace as designated by AT&T and permit customer originated call trace.~~

~~7.2.1.4 BellSouth shall record billable events and send the appropriate billing data to AT&T as outlined in Attachment 7.~~

7.2.1.4 For Local Switching used as 911 Tandems, BellSouth shall allow interconnection from AT&T local switching elements and BellSouth shall route the calls to the appropriate Public Safety Access Point (PSAP).

7.2.1.5 BellSouth shall provide, ~~at least~~, each of the following special services:

7.2.1.5.1 Essential Service Lines;

7.2.1.5.2 Telephone Service Prioritization;

7.2.1.5.3 Related services for handicapped;

7.2.1.5.4 Soft dial tone where required by law; and

7.2.1.5.5 Any other service required by law.

7.2.1.6 BellSouth shall provide Switching Service Point (SSP) capabilities and signaling software to interconnect the signaling links destined to the Signaling Transfer Point Switch (STPS). ~~In the event that Local Switching is provided out of a switch without SS7 capability, the Tandem shall provide this capability as discussed in the section on Tandem Switching. These capabilities shall adhere to Bellcore specifications - TCAP (GR-1432-CORE), ISUP(GR-905-CORE), Call Management (GR-1429-CORE), Switched Fractional DS1 (GR-1357-CORE), Toll Free Service (GR-1428-CORE), Calling Name (GR-1597-CORE), Line Information Database (GR-954-CORE), and Advanced Intelligent Network (GR-2863-CORE).~~

7.2.1.7 BellSouth shall provide interfaces to adjuncts through ~~industry standard and~~ Bellcore interfaces. These adjuncts can include, but are not limited to, the Service Circuit Node and Automatic Call Distributors. ~~Examples of existing interfaces are ANSI ISDN standards Q.931 and Q.932.~~

~~7.2.1.8 BellSouth shall provide performance data regarding a customer line, traffic characteristics or other measurable elements to AT&T, upon AT&T's request.~~

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

7.2.1.8.1 Basic and primary rate ISDN;

7.2.1.8.2 Residential features;

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

~~7.2.1.8.4 Centrex (including equivalent administrative capabilities, such as customer accessible reconfiguration and detailed message recording); and~~

~~7.2.1.8.4 Advanced intelligent network triggers supporting AT&T features. BellSouth shall offer to AT&T all AIN triggers currently available to BellSouth for offering AIN-based services in accordance with the technical reference in Section 5.2.1.6.3, e.g.:~~

~~7.2.1.8.3.1 Off-Hook Immediate;~~

~~7.2.1.8.3.1 Off-Hook Delay;~~

~~7.2.1.8.3.1 Private EAMF Trunk;~~

~~7.2.1.8.3.1 Shared Interoffice Trunk (EAMF, SS7);~~

~~7.2.1.8.3.1 Termination Attempt;~~

~~7.2.1.8.3.1 3/6/10;~~

~~7.2.1.8.3.1 N11;~~

~~7.2.1.8.3.1 Feature Code Dialing;~~

~~7.2.1.8.3.1 Custom Dialing Plan; and~~

~~7.2.1.8.3.1 Automatic Route Selection.~~

~~7.2.1.9 BellSouth shall assign each AT&T customer line the class of service designated by AT&T (e.g., using line class codes or other switch specific provisioning methods), and shall route directory assistance calls from AT&T customers to AT&T directory assistance operators at AT&T's option.~~

~~7.2.1.9 BellSouth shall assign each AT&T customer line the class of services designated by AT&T (e.g., using line class codes or other switch specific provisioning methods) and shall route operator calls from AT&T customers to AT&T operators at AT&T's option. For example, BellSouth may translate 0- and 0+ intraLATA traffic, and route the call through appropriate trunks to an AT&T Operator Services Position System (OSPS). Calls from Local Switching must pass the ANI-II digits unchanged.~~

~~7.2.1.9 If AT&T requests the termination of Local Switching, BellSouth shall promptly remove the class of service assignment from the line.~~

7.2.1.9 If an AT&T customer subscribes to AT&T provided voice mail and messaging services, BellSouth shall redirect incoming calls to the AT&T system based upon presubscribed service arrangements (e.g., busy, don't answer, number of rings). In addition, BellSouth shall provide a Standard Message Desk Interface-Enhanced (SMDI-

E) interface to the AT&T system. BellSouth shall support the Inter-switch Voice Messaging Service (IVMS) capability.

~~7.2.1.10 Local Switching shall be offered in accordance with the requirements of the following technical references:~~

~~7.2.1.9.1 GR-1298-CORE, AIN Switching System Generic Requirements;~~

~~7.2.1.9.1 GR-1299-CORE, AIN Switch-Service Control Point (SCP)/Adjunct Interface Generic Requirements;~~

~~7.2.1.9.1 TR-NWT-001284, AIN 0.1 Switching System Generic Requirements;~~

~~7.2.1.9.1 SR-NWT-002247, AIN Release 1 Update.~~

7.2.2 **Interface Requirements**

7.2.2.1 BellSouth shall provide the following interfaces to loops:

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

7.2.2.1.2 Coin phone signaling;

7.2.2.1.3 Basic Rate Interface ISDN adhering to ~~ANSI standards Q.931, Q.932 and~~ appropriate Bellcore Technical Requirements;

7.2.2.1.4 Two-wire analog interface to PBX;

7.2.2.1.5 Four-wire analog interface to PBX;

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

7.2.2.1.7 Primary Rate ISDN to PBX adhering to ~~ANSI standards Q.931, Q.932 and~~ appropriate Bellcore Technical Requirements;

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

7.2.2.1.9 Loops adhering to Bellcore TR-NWT-08 and TR-NWT-303 specifications to interconnect Digital Loop Carriers.

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

7.2.2.2.1 SS7 Signaling Network or Multi-Frequency trunking if requested by AT&T;

7.2.2.2.2 Interface to AT&T operator services systems or Operator Services through appropriate trunk interconnections for the system; and

7.2.2.2.3 Interface to AT&T directory assistance services through the AT&T switched network or to Directory Services through the appropriate trunk interconnections for the system; and 950 access or other AT&T required access to interexchange carriers as requested through appropriate trunk interfaces.

7.3 The requirements set forth in this Section 5.3 applies only to the Data Switching function of Local Switching.

7.3.1 Data Switching Technical Requirements

7.3.1 BellSouth will unbundle all its data switching services. The unbundled elements will consist of an unbundled loop and an unbundled port for each data switching service that BST offers.

7.3.2 BellSouth will ensure that the unbundled data switching elements will provide a level of service and quality that is equal to that which BellSouth provides to itself or to its customers

~~7.3.1.1 Data Switching includes the necessary cross-office connectivity to the DSX or other appropriate connection point where interconnection to transport, or a cross-connect device can occur. Wherever Data Switching interconnects across network boundaries, it shall be in accordance with Network-to-Network Interface standards.~~

~~7.3.1.1 **Frame Relay Functional Requirements**~~

~~7.3.1.1.1 Frame Relay Data Switching shall provide Permanent Virtual Circuits (PVCs) in accordance with the core protocol in ANSI Standard T1.618 ("Core aspects of Frame Protocol for use with Frame Relay Bearer Service," ANSI Standard T1.618, October 1991).~~

~~7.3.1.1.1 Control procedures for PVC management that shall be provided by Data Switching over the UNI include at least the Local Management interface (LMI) (as described in "Frame Relay Specification with Extensions," Rev 1.0, Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc., September 18, 1990), ANSI Standard T1.617: Annex D ("Signaling Specification for Frame Relay Bearer Service," ANSI Standard T1.617, October 1991), and ITU-T Recommendation Q.933: Annex A ("Digital subscriber Signaling System No. 1 -- Signaling specification for frame mode bearer service," ITU-T Recommendation Q.933, March 1993) specifications.~~

~~7.3.1.1.1 Data Switching provided to AT&T shall be given equal priority to BellSouth's's own traffic during overflow and congestion conditions. To control the flow of data through the network and to prevent congestion of shared resources, Data Switching~~

shall perform traffic management and policing functions on the ingress of data (flowing from customer into the network) and the egress of data (flowing from the network out to the customer). Traffic management is the mechanism used by Data Switching to prevent and reduce congestion within the network, such as buffering data and discarding data when buffers overflow, and may be performed on ingress or egress. Traffic policing is the enforcement by Data Switching of the contracted rate for the ingress of data, described in terms of several parameters such as Peak Rate, Committed Rate, and Burst Size. Traffic management and policing performed at ingress and egress on AT&T's traffic shall be at parity with that performed on BellSouth's traffic.

7.3.1.1.1 Data Switching shall provide remote data access to integrated test equipment and other integrated functionality on a demand basis in accordance with the following:

7.3.1.1.1.1 Real-time, remote data access to systems that enable the determination of Data Link Connection Identifiers (DLCIs) used by a PVC;

7.3.1.1.1.1 Real-time, remote data access to performance monitoring and alarm data on events affecting (or potentially affecting) AT&T's traffic; and

7.3.1.1.1.1 Real-time, remote data access to maintenance systems to enable end-to-end (customer site-to-customer site) performance and error testing.

7.3.1.1.1 BellSouth shall provision and maintain the underlying facilities required to provide Data Switching.

7.3.1.1 **Frame Relay Interface Requirements**

7.3.1.1.1 From Customer Premises Equipment (CPE), AT&T's customers may interconnect to Data Switching using the transmission speeds, formats, and protocols as specified in the Frame Relay Forum Implementation Agreement 1 (FRF.1.1) ("User-to-Network Implementation Agreement (UNI)," FRF.1.1, Frame Relay Forum Technical Committee, January 18, 1996) and the standards cited in that document for the physical layer, data transfer, and control procedures. This includes, but is not limited to, access circuits at fractional T1 rates (56Kbps, Nx64 Kbps, (where N is 1 to 24)), T1, and T3.

7.3.1.1.1 Each T1 UNI interface port shall provide at least 250 PVCs.

7.3.1.1.1 T1 interfaces shall be provided using Extended SuperFrame (ESF) format, for enhanced error monitoring and to aid in sectionalizing problems.

7.3.1.1 **NNI Interface B Requirements**

7.3.1.1.1 Data Switching shall interconnect across network boundaries using the Network-to-Network Interface standards as specified in Frame Relay Forum Implementation Agreement 2 (FRF.2.1) ("Network-to-Network Implementation Agreement (NNI)," FRF.2.1, Frame Relay Forum Technical Committee, July 10, 1995)

~~for the physical layer, data transfer, and control (signaling) procedures. This standard includes both DS1 and DS3 among its listed physical interface formats.~~

~~7.3.1.1.1 Each T1 NNI should be capable of providing at least 200 PVCs; each T3 NNI should be capable of providing at least 1700 PVCs.~~

~~7.3.1.1.1 Frame Relay Variant A Functional Requirement: The distinction between Frame Relay Variant A format and the Frame Relay format is the interconnection to other carriers. The Frame Relay Variant A format shall provide such connectivity. This connectivity to other carriers may also take place through an ATM format NNI.~~

~~7.3.1.1.1 Frame Relay Variant A Interface Requirement: The NNI interface shall support the BICI specification from the ATM Forum ("Broadband Inter-Carrier Interface," V. 1.1, ATM Forum, August 1994). This requires that the customer data be converted from Frame Relay format to ATM based on either the Frame Relay/ATM Network Interworking standard consistent with the technical requirements in, "Frame Relay/ATM PVC Network Interworking Implementation Agreement," FRF.5, Frame Relay Forum Technical Committee, December 20, 1994, or the Frame Relay/ATM Service Interworking standard consistent with the technical requirements in "Frame Relay/ATM PVC Service Interworking Implementation Agreement," FRF.8, Frame Relay Forum Technical Committee, April 14, 1995.~~

~~7.3.1.1 **ATM Functional Requirements**~~

~~7.3.1.1.1 ATM Data Switching shall provide ATM PVCs and Switched Virtual Circuits (SVCs) according to the most recent ATM Forum UNI specifications that have been implemented by the vendor of the underlying device that provides Data Switching (e.g., "ATM User-to-Network Interface Specification," Version 3.1, ATM Forum, September 1994, ("ATM User-to-Network Interface Specification," Version 4.0, ATM Forum, (expected 1996)).~~

~~7.3.1.1.1 Data Switching provided to AT&T shall be given equal priority to BellSouth's own traffic during overflow and congestion conditions. Traffic management and policing performed at ingress and egress on AT&T's traffic shall be at least at parity with that provided by BellSouth for its own traffic.~~

~~7.3.1.1.1 Data Switching shall provide on-demand, real time, remote data access to integrated test equipment and other integrated functionality in accordance with the following:~~

~~7.3.1.1.1.1 Real time, remote data access to systems that enable the determination of Virtual Path Identifiers (VPIs) and Virtual Channel Identifiers (VCIs) that are used by a PVC or an SVC;~~

~~7.3.1.1.1.1 Real time, remote data access to performance monitoring and alarm data affecting (or potentially affecting) AT&T's traffic (upon AT&T's request); and~~

7.3.1.1.1.1 Real time, remote data access to maintenance systems to enable end-to-end (customer site-to-customer site) performance testing and error monitoring shall be provided by BellSouth.

7.3.1.1.1 Data Switching shall provide spare facilities and equipment necessary to support provisioning and maintenance Direct Measures of Quality (DMOQs). This shall require sufficient redundancy, hot standby, and Mean Time To Restore engineering to meet the required availability DMOQs. Similarly, sufficient spare facilities, spare parts, and provisioning staff and systems shall be provided to meet DMOQs on time to provision new requests for service, at least at parity with BellSouth's own services.

7.3.1.1.1 BellSouth shall provision and maintain the facilities required to provide Data Switching.

7.3.1.1 **ATM Interface Requirements** —the following interfaces shall be provided by BellSouth:

7.3.1.1.1 **UNI Interface Requirements**

7.3.1.1.1.1 AT&T's customers may interconnect to Data Switching using the transmission speeds, formats, and protocols as specified in the latest ATM Forum UNI specification that has been implemented by the switch vendor. This includes, but is not limited to, access circuits at T1, T3, and OC-3 speeds.

7.3.1.1.1.1 BellSouth shall provide T1 interfaces using Extended SuperFrame (ESF) format, for enhanced error monitoring and to aid in sectionalizing problems.

7.3.1.1.1 **FUNI Interface Requirements**

AT&T's customers may interconnect to Data Switching using the transmission speeds, formats, and protocols as specified in the ATM Forum Frame-based User-to-Network Interface ("ATM Inverse Multiplexer NxT1," Version 1.0, (expected 1996)) with access speeds including DS1 and N*xDS0* (where $N \leq 24$).

7.3.1.1.1 **ATM Inverse Multiplexing Interface Requirements**

AT&T's customers may interconnect to Data Switching using the transmission speeds, formats, and protocols as specified in the ATM Forum's inverse Multiplexer specification ("ATM Inverse Multiplexer NxT1," Version 1.0, (expected 1996)), expected in 1996. The speeds will be NxT1 (where N equals 1 to 8).

7.3.1.1.1 **NNI Interface D Requirements**

Data Switching shall interconnect across network boundaries using the Network-to-Network Interface standards as specified by the ATM Forum that will be available in the following time frames:

~~7.3.1.1.1.1 1996 – Implementation not yet available.~~

~~7.3.1.1.1.1 1997 – Interim Interswitch Signaling Protocol (IISP) ("Interim Interswitch Signaling Protocol (IISP)," Version 1.0, ATM Forum , December 14, 1994) for PVC and SVC services.~~

~~7.3.1.1.1.1 1997 – Broadband Inter-Carrier Interface (BICI) Version 1.1 for PVC services.~~

~~7.3.1.1.1.1 1998 – BICI Version 2.0 ("Broadband Inter-Carrier Interface," V. 2.0, ATM Forum, December 1995) for PVC and SVC services.~~

~~7.3.1.1.1.1 BellSouth shall provide the BICI interface if available in the specified timeframe. The IISP is not specified for use between two public networks, but may be provided as a second alternative for an interface.~~

~~7.3.1.1.1.1 Data Switching shall provide Interface speeds of: T3 and OC-3, and OC-12 in 1998.~~

~~7.3.1.1.1 **Network Management Systems Interconnection (M5) Interface Requirements**~~

~~7.3.1.1.1 Effective as of the date this unbundled Network Element is offered, BellSouth will perform network management function twenty-four (24) hours a day, seven (7) days a week electronic interfaces between the AT&T and BellSouth Network Management Centers.~~

~~7.3.1.1.1.1 Network Management systems shall be interconnected starting in the 1997-98 time frame by the M5 interface ("ATM Forum M5 Interface Specification," ATM Forum, (expected 1997)) which provides the following management capabilities for PVC and SVC services across the BICI:~~

~~7.3.1.1.1.1.1 Configuration Management;~~

~~7.3.1.1.1.1.1 Fault Management;~~

~~7.3.1.1.1.1.1 Loopbacks (ATM and Physical);~~

~~7.3.1.1.1.1.1 Threshold Reporting;~~

~~7.3.1.1.1.1.1 Alarm Indication Signal/Remote Defect Indication (RDI) cell support;~~

~~7.3.1.1.1.1.1 Operation and Maintenance (OAM) F4 and F5 cells for sectional and end to end tests;~~

~~7.3.1.1.1.1.1 Performance Management -- access Management Information Bases (MIBs) via BellSouth Network Management Systems (NMS) to obtain network level information and status;~~

~~7.3.1.1.1.1.1 Security Management -- read-only access between networks; and~~

~~7.3.1.1.1.1.1 Accounting Management -- ability to retrieve required usage information from BellSouth for billing purposes~~

~~7.3.1.1.1.1 The M5 Interface shall interface with the CMIP and SNMP protocols.~~

7.3.1.1 **~~Integrated Services~~**

7.3.1.1

7.3.1.2

7.3.1.3

7.3.1.4

7.3.1.5

7.3.1.6

7.3.1.7 **Integrated Serfices Digital Network (ISDN)**

Integrated Services Digital Network (ISDN) is defined in two variations. The first variation is Basic Rate ISDN (BRI). BRI consists of 2 Bearer (B) Channels and one Data (D) Channel. The second variation is Primary Rate ISDN (PRI). PRI consists of 23 B Channels and one D Channel. Both BRI and PRI B Channels may be used for voice, Circuit Switched Data (CSD) or Packet Switched Data (PSD). The BRI D Channel may be used for call related signaling, non-call related signaling or packet switched data. The PRI D Channel may be used for call related signaling.

7.3.1.7.1 **Technical Requirements - ISDN**

7.3.1.7.1.1 BellSouth shall offer Data Switching providing ISDN that, at a minimum:

7.3.1.7.1.1.1 Provides integrated packet handling capabilities;

7.3.1.7.1.1.2 Allows for full 2B+D Channel functionality for BRI; and

7.3.1.7.1.1.3 Allows for full 23B+D Channel functionality for PRI.

7.3.1.7.1.2 Each B Channel shall allow for voice, 64Kbs CSD, and PSD of 128 logical channels at minimum speeds of 19Kbs throughput of each logical channel up to the total capacity of the B Channel.

7.3.1.7.1.3 Each B Channel shall provide capabilities for alternate voice and data on a per call basis.

7.3.1.7.1.4 The BRI D Channel shall allow for call associated signaling, non-call associated signaling and PSD of 16 logical channels at minimum speeds of 9.6 Kbs throughput of each logical channel up to the total capacity of the D channel.

7.3.1.7.1.5 The PRI D Channel shall allow for call associated signaling.

7.3.1.7.2 **Interface Requirements - ISDN**

7.3.1.7.2.1 BellSouth shall provide the BRI U interface using 2 wire copper loops in accordance with TR-NWT-000393, January 1991, *Generic Requirements for ISDN Basic Access Digital Subscriber Lines.*

7.3.1.7.2.2 BellSouth shall provide the BRI interface using Digital Subscriber Loops adhering to Bellcore TR-NWT-303 specifications to interconnect Digital Loop Carriers.

7.3.1.7.2.3 BellSouth shall offer PSD interfaces adhering to the X.25, S.75 and S.75' ANSI and Bellcore requirements.

7.3.1.7.2.4 BellSouth shall offer PSD trunk interfaces operating at 56Kbs.

8. Operator Systems

Operator Systems (not used in conjunction with BST switching)

8.1 Definition

Operator Systems is the Network Element that provides operator and automated call handling and billing, special services, customer telephone listings and optional call completion services. The Operator Systems, Network Element provides two types of functions: Operator Service functions and Directory Service functions, each of which are described in detail below.

8.2 Operator Service

8.2.1 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.

8.2.2 **Requirements**

8.2.2.1 Operator Services for calls which are routed from the local switch shall be in accordance with the following:

8.2.2.1.1 BellSouth shall complete 0+ and 0- dialed local calls.

8.2.2.1.2 BellSouth shall complete 0-, 0+ intraLATA toll calls.

8.2.2.1.3 ~~BellSouth shall complete calls that are billed to a calling card and AT&T shall designate to BellSouth the acceptable types of special billing.~~

8.2.2.1.4 BellSouth shall complete person-to-person calls.

8.2.2.1.5 BellSouth shall complete collect calls.

8.2.2.1.6 BellSouth shall provide the capability for callers to bill to a third party and complete such calls.

8.2.2.1.7 BellSouth shall complete station-to-station calls.

8.2.2.1.8 BellSouth shall process emergency calls.

8.2.2.1.9 BellSouth shall process Busy Line Verify and Emergency Line Interrupt requests.

8.2.2.1.10 ~~BellSouth shall process emergency call trace.~~

8.2.2.1.11 BellSouth shall process operator-assisted directory assistance calls.

Need clarification from AT&T

8.2.2.1.12 BellSouth shall provide rate quotes *at BellSouth rates.*

8.2.2.1.13 BellSouth shall process time-and-charges requests *using BellSouth rates.*

8.2.2.1.14 ~~BellSouth shall route 0- traffic directly to a "live" operator team~~.

8.2.2.1.15 ~~BellSouth shall brand Operator Service as specified by AT&T in Part I, Section 19, entitled "Branding."~~

8.2.2.2 ~~Operator Service shall provide AT&T's local service rates when providing rate quote and time-and-charges services.~~

8.2.2.3 Operator Service shall adhere to equal access requirements.

Need clarification from AT&T

8.2.2.4 BellSouth shall exercise at least the same level of fraud control in providing Operator Service to AT&T that BellSouth provides for its own operator service.

8.2.2.5 BellSouth shall perform Billed Number Screening when handling Collect, Person-to-Person, and Billed-to-Third-Party calls.

~~8.2.2.6 BellSouth shall provide service measurements and accounting reports as designated by AT&T.~~

8.2.2.7 BellSouth shall direct customer account and other similar inquiries to the customer service center designated by AT&T.

8.2.2.8 BellSouth shall provide an electronic feed of customer call records in "EMR" format to AT&T in accordance with the time schedule designated by AT&T.

Need clarification from AT&T

~~8.2.2.9 BellSouth shall accept and process overflow 911 traffic routed from AT&T to the underlying platform used to provide Operator Service.~~

8.2.3 **Interface Requirements:**

With respect to Operator Services for calls that originate on local switching capability provided by or on behalf of AT&T, 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.

Need clarification from AT&T

8.3 **Directory Service**

8.3.1 **Definition:**

Directory Service provides local customer telephone number listings with the option to complete the call at the callers direction.

8.3.2 **Requirements**

8.3.2.1 Directory Service shall provide up to two listing requests per call and, if requested, shall complete the call to one of the provided listings.

~~8.3.2.2 BellSouth shall brand Directory Service with the brand designated by AT&T. If such branding is not technically feasible, then BellSouth shall not brand Directory Service whatsoever.~~

8.3.2.3 ~~At AT&T's request, caller optional directory assistance call completion service which meets the service parity requirements set forth in this Attachment;~~

8.3.2.4 ~~BellSouth shall provide data regarding billable events as requested by AT&T.~~

8.3.2.5 **Directory Service Updates**

8.3.2.5.1 BellSouth shall update customer listings changes daily. These changes include:

8.3.2.5.1.1 New customer connections;

BST will provide service to AT&T that is equal to service it provides to itself.

8.3.2.5.1.2 Customer disconnections; and

BST will provide service to AT&T that is equal to service it provides to itself.

8.3.2.5.1.3 Customer address changes.

BST will provide service to AT&T that is equal to service it provides to itself.

8.3.2.6 These updates shall also be provided for non-listed and non-published numbers for use in emergencies.

9.Common Transport

~~10.~~Dedicated Transport

11.**Signaling Link Transport**

11.1 **Definition:**

Signaling Link Transport is a set of two or four dedicated 56 Kbps. transmission paths between AT&T-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity.

11.2 **Technical Requirements**

11.2.1 Signaling Link Transport shall consist of full duplex mode 56 kbps transmission paths.

11.2.2 Of the various options available, Signaling Link Transport shall perform in the following two ways:

11.2.2.1 As an "A-link" which is a connection between a switch or SCP and a home Signaling Transfer Point Switch (STPS) pair; and

11.2.2.2 As a "D-link" which is a connection between two STPS pairs in different company networks (e.g., between two STPS pairs for two Competitive Local Exchange Carriers (CLECs)).

11.2.3 Signaling Link Transport shall consist of two or more signaling link layers as follows:

11.2.3.1 An A-link layer shall consist of two links.

11.2.3.2 A D-link layer shall consist of four links.

11.2.4 A signaling link layer shall satisfy a performance objective such that:

~~11.2.4.1 There shall be no more than two minutes down time per year for an A-link layer; and~~

~~11.2.4.1 There shall be negligible (less than 2 seconds) down time per year for a D-link layer.~~

11.2.5 A signaling link layer shall satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

11.2.5.1 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

11.2.5.2 No two concurrent failures of facilities or equipment shall cause the failure of all four links in a D-link layer (i.e., the links should be provided on a minimum of three separate physical paths end-to-end).

11.3 **Interface Requirements**

11.3.1 There shall be a DS1 (1.544 Mbps) interface at the AT&T-designated SPOIs. Each 56 kbps transmission path shall appear as a DS0 channel within the DS1 interface.

12. Signaling Transfer Points (STPs)

12.1 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.

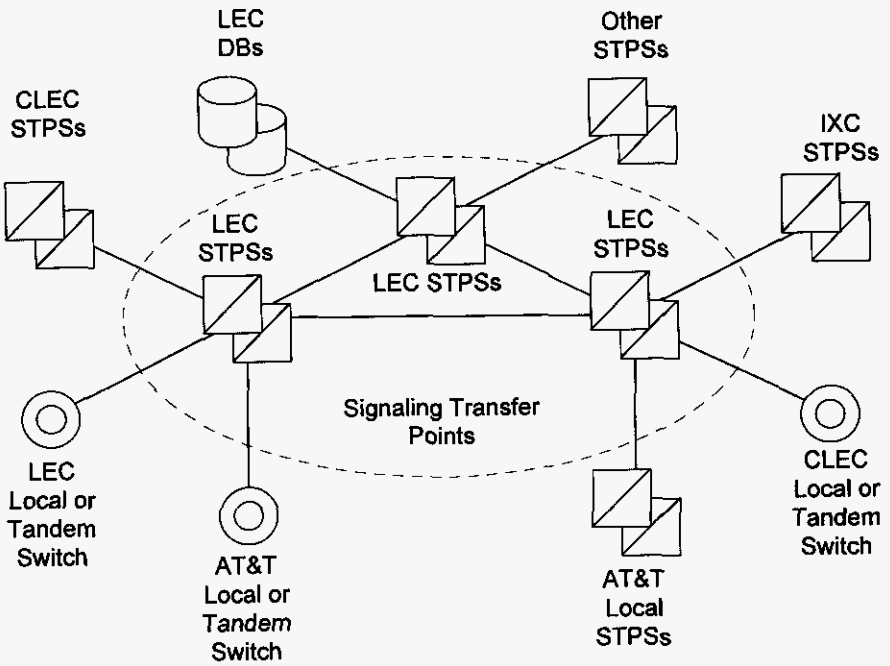


Figure 4

12.2 Technical Requirements

12.2.1 STPs shall provide access to ~~all other~~ Network Elements connected to BellSouth SS7 network. These include:

12.2.1.1 BellSouth Local Switching or Tandem Switching;

12.2.1.2 BellSouth Service Control Points/DataBases;

12.2.1.3 ~~Third-party local or tandem switching systems; and~~

12.2.1.4 ~~Third-party provided STPSs.~~

12.2.2 ~~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~~

12.2.3 ~~If a BellSouth tandem switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between an AT&T 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 AT&T 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.~~

12.2.4 STPs shall provide all functions of the MTP as as defined in Bellcore ANSI Interconnection Requirements. ~~specified in ANSI T1.111 (Reference 12.12.4.12.4.1). This includes:~~

12.2.4.1 Signaling Data Link functions, as defined in Bellcore ANSI Interconnection Requirements ~~specified in ANSI T1.111.2; as defined in Bellcore ANSI Interconnection Requirements~~

12.2.4.2 Signaling Link functions, as *defined in Bellcore ANSI Interconnection Requirements* ~~specified in ANSI T1.111.3; and *defined in Bellcore ANSI Interconnection Requirements*~~

12.2.4.3 Signaling Network Management functions, as defined in Bellcore ANSI Interconnection Requirements ~~specified in ANSI T1.111.4. defined in Bellcore ANSI Interconnection Requirements~~

12.2.5 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as as defined in Bellcore ANSI Interconnection Requirements ~~specified in ANSI T1.112 (Reference 12.12.4.12.4.3).~~ 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 an AT&T 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.

12.2.6 STPs shall also provide the capability to route SCCP messages based on ISNI, as defined in Bellcore ANSI Interconnection Requirements ~~as specified in ANSI T1.118~~

~~(Reference 12.12.4.12.4.6),~~ when this capability becomes available on BellSouth STPSs.

12.2.7 STPs shall provide all functions of the OMAP commonly provided by STPSs, as specified in the reference in Section 10.4.5. This includes: OMAP functions will be on a "where available" basis

12.2.7.1 ~~MTP Routing Verification Test (MRVT); and,~~

12.2.7.2 ~~SCCP Routing Verification Test (SRVT).~~

12.2.8 In ~~cases where the destination signaling point is a BellSouth local or tandem switching system or DB, or is an AT&T 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~~

12.2.9 STPs shall be equal to or better than the following performance requirements:

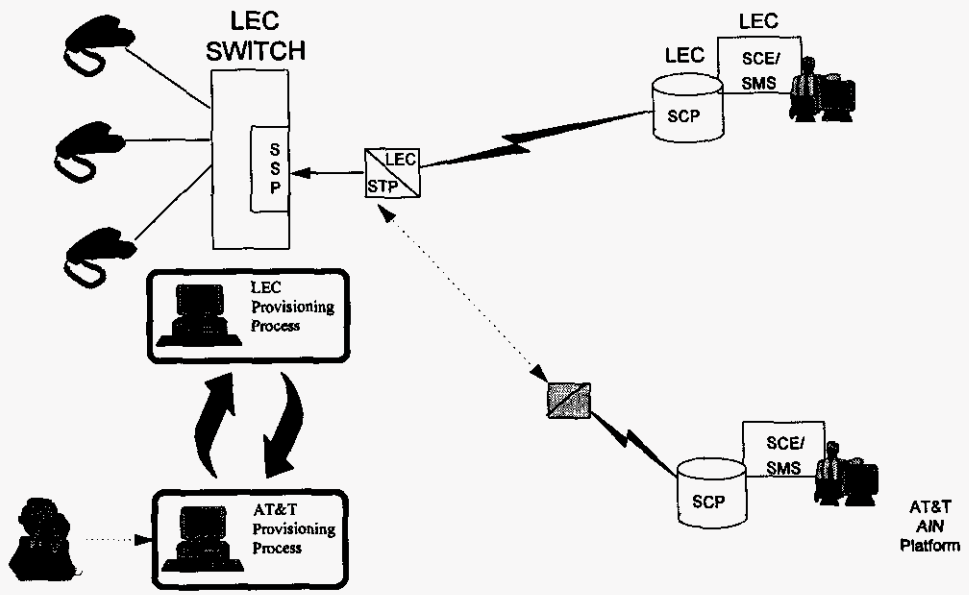
12.2.9.1 MTP Performance, as defined in Bellcore ANSI Interconnection Requirements ~~specified in ANSI T1.111.6; and Agree as defined in Bellcore ANSI Interconnection Requirements~~

12.2.9.2 SCCP Performance, as defined in Bellcore ANSI Interconnection Requirements ~~specified in ANSI T1.112.5. Agree as defined in Bellcore ANSI Interconnection Requirements~~

12.2.10 SS7 Advanced Intelligent Network (AIN) Access____

12.2.10.1 SS7 AIN Access, defined as, ~~shall provide~~ the AT&T SCP access to BellSouth local switch via interconnection of BellSouth SS7 and AT&T SS7 networks is not technically feasible. ~~This interconnection arrangement shall result in the BellSouth local switch recognizing the AT&T SCP as at least at parity with BellSouth SCPs in terms of interfaces, performance and capabilities~~.

12.2.10.2 ~~SS7 AIN Access is the provisioning of AIN triggers in a BellSouth local switch and interconnection of the BellSouth SS7 network with the AT&T SS7 network to exchange TCAP queries and responses with an AT&T SCP. See Figure 5 below.~~



~~Figure 5~~

~~12.2.10.3 Physical interconnection between the BellSouth SS7 and the AT&T SS7 networks shall be through facilities and protocols as specified in the SS7 Network Interconnection section of this Agreement~~

~~12.2.10.3 Reliability of interconnection shall be consistent with requirements for diversity and survivability as specified in the SS7 Network Interconnection section of this Agreement.~~

~~12.2.10.3 Delay associated with BellSouth local switch queries to the AT&T SCP shall be equal to or shorter than the delay associated with queries to BellSouth SCP.~~

~~12.2.10.3 BellSouth STPs shall maintain global title translations necessary to direct AIN queries for select global title address and translation type values to the AT&T SS7 network.~~

~~12.2.10.3 BellSouth STPs shall route AIN responses from the AT&T SCP via SS7 network interconnect to the local switch designated in the Signaling Connection Control Part (SCCP) called party address.~~

~~12.2.10.3 Network management controls resulting from an overload in elements not supporting AT&T customers shall not affect queries to AT&T SCPs.~~

~~12.2.10.3 Requirements for billing and recording information to track AIN query response usage shall be consistent with Connectivity Billing and Recording requirements as specified in Attachment 6 (e.g., recorded message format and content, timeliness of feed, data format and transmission medium).~~

~~12.2.10.3 BellSouth shall provide to AT&T all necessary testing resources and staff to perform service certification testing prior to service deployment in accordance with the Cooperative section of this Agreement.~~

~~12.2.10.3 When AT&T selects SS7 AIN Access, BellSouth will provide an interface to BellSouth STP provisioning process for provisioning of BellSouth STP global title translation data.~~

~~12.2.10.3 When AT&T selects SS7 AIN Access, BellSouth will provide interconnection of its SS7 network with BellSouth SS7 network for exchange of AIN TCAP messages as described in Section 10.2.10.13.2~~

~~12.2.10.3 STPs shall offer SS7 AIN Access in accordance with the requirements of the following technical references:~~

~~12.2.10.2.1 GR-2863-CORE, CCS Network Interface Specification Supporting Advanced Intelligent Network (AIN); and~~

~~12.2.10.2.1 GR-2902-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll Free Service Using Advanced Intelligent Network (AIN).~~

12.3 **Interface Requirements**

12.3.1 BellSouth shall provide the following STPs options to connect AT&T or AT&T-designated local switching systems or STPSs to BellSouth SS7 network:

12.3.1.1 An A-link interface from AT&T local switching systems; and,_____

12.3.1.2 A D-link interface from AT&T local STPSs.__

12.3.2 Each type of interface shall be provided by one or more sets (layers) of signaling links, as follows:

12.3.2.1 An A-link layer shall consist of two links, as depicted in Figure 6.

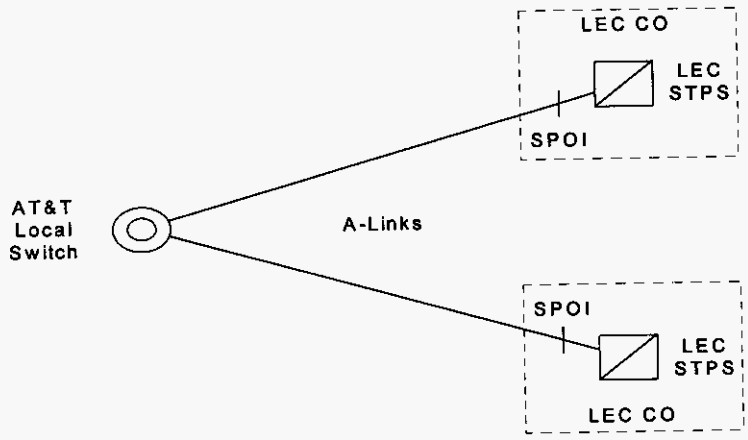


Figure 6. A-Link Interface

12.3.2.2 A D-link layer shall consist of four links, as depicted in Figure 7.

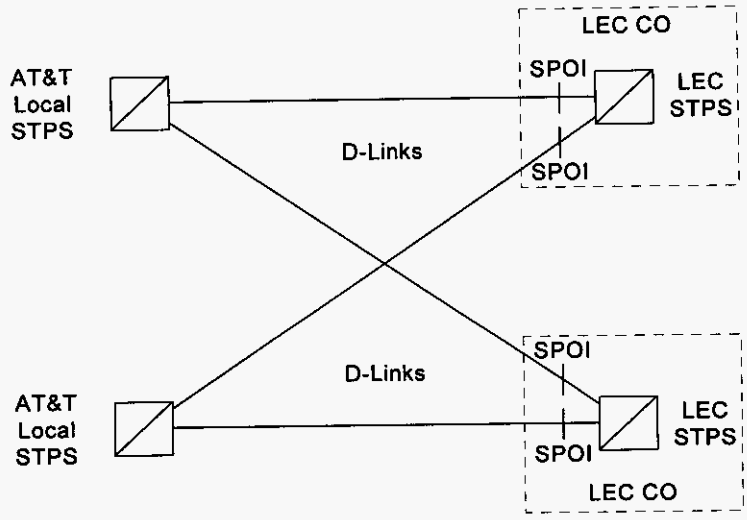


Figure 7. D-Link Interface

12.3.3 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 AT&T local switching systems or STPSs with BellSouth STPSs as soon as these become approved ANSI standards and available capabilities of BellSouth STPSs. BST and AT&T will work jointly to establish mutually acceptable SPOIs

12.3.4 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 D-links in a layer connecting to a BellSouth STPS. BST and AT&T will work jointly to establish mutually acceptable SPOIs

12.3.5 BellSouth shall provide MTP and SCCP protocol interfaces that shall conform to all sections relevant to the MTP or SCCP in the following specifications:

12.3.5.1 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);

12.3.5.2 Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP).

12.3.5.3 **Message Screening**

12.3.6 BellSouth shall set message screening parameters so as to accept messages from AT&T local or tandem switching systems destined to any signaling point in BellSouth SS7 network with which the AT&T switching system has a legitimate signaling relation. BellSouth will accept SS7 messages destined for any signaling point with which AT&T has a legitimate signaling relation.

12.3.7 BellSouth shall set message screening parameters so as to accept messages from AT&T local or tandem switching systems destined to any signaling point or network interconnected within BellSouth SS7 network with which the AT&T switching system has a legitimate signaling relation.

12.3.8 BellSouth shall set message screening parameters so as to accept messages destined to an AT&T local or tandem switching system from any signaling point or network interconnected within BellSouth SS7 network with which the AT&T switching system has a legitimate signaling relation.

12.3.9 BellSouth shall set message screening parameters so as to accept and send messages destined to an AT&T SCP from any signaling point or network

interconnected within BellSouth SS7 network with which the AT&T SCP has a legitimate signaling relation.

12.4 STPs shall be equal to or better than all of the requirements for STPs set forth in Bellcore ANSI Interconnection Requirements ~~the following technical references~~:

~~12.4.1 ANSI T1.111-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP);~~

~~12.4.2 ANSI T1.111A-1994 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement;~~

~~12.4.3 ANSI T1.112-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP);~~

~~12.4.4 ANSI T1.115-1990 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks;~~

~~12.4.5 ANSI T1.116-1990 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP);~~

~~12.4.6 ANSI T1.118-1992 American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI);~~

~~12.4.7 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~~

~~12.4.8 Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP).~~

13. **Service Control Points/Databases**

13.1 **Definition:**

13.1.1 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.

13.1.2 A Service Control Point (SCP) is a specific type of Database Network Element 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. SCPs also provide operational interfaces to allow for

provisioning, administration and maintenance of subscriber data and service application data. (*e.g.*, an 800 database stores customer record data that provides information necessary to route 800 calls).

13.2 **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 AT&T in accordance with the following requirements, except where such a requirement is superseded by specific requirements set forth in Subsections 11.3 through 11.7:

13.2.1 BellSouth shall provide physical interconnection to SCPs through the SS7 network and protocols, as specified in Section 10 of this Attachment, with TCAP as the application layer protocol.

13.2.2 BellSouth shall provide physical interconnection to databases via industry standard interfaces and protocols (e.g. ISDN and X.25).

13.2.3 The reliability of interconnection options shall be consistent with requirements for diversity and survivability as specified in Section 10 of this Attachment (which applies to both SS7 and non-SS7 interfaces).

~~13.2.4 Database functionality shall be unavailable a maximum of 30 minutes per year.~~

13.2.4 BellSouth shall provide Database provisioning consistent with the provisioning requirements of this Agreement (e.g., data required, edits, acknowledgments, data format and transmission medium and notification of order completion).

13.2.5 The operational interface provided by BellSouth shall complete Database transactions (i.e., add, modify, delete) for AT&T customer records stored in BellSouth databases within 24 hours, or sooner where BellSouth provisions its own customer records within a shorter interval.

13.2.6 BellSouth shall provide Database maintenance consistent with the maintenance requirements as specified in this Agreement (e.g., notification of BellSouth Network Affecting Events, testing, dispatch schedule and measurement and exception reports).

13.2.7 BellSouth shall provide billing and recording information to track database usage consistent with connectivity billing and recording requirements as specified in this Agreement (e.g., recorded message format and content, timeliness of feed, data format and transmission medium).

13.2.8 BellSouth shall provide SCPs/Databases in accordance with the physical security requirements specified in this Agreement.

13.2.9 BellSouth shall provide SCPs/Databases in accordance with the logical security requirements specified in this Agreement.

13.3 **Local Number Portability Database LNP Database will not be addressed here. See Attachment 8.**

~~13.3.1 **Definition**~~

~~The Local Number Portability (LNP) database supplies routing numbers for calls involving numbers that have been ported from one local service provider to another. LNP database functionality shall also include Global Title Translations (GTT) for calls involving ported numbers even if BellSouth provides GTT functionality in another Network Element. This Subsection 11.3 supplements the requirements of Subsection 11.2 and 11.7. BellSouth shall provide the Local Number Portability Database in accordance with the following:~~

~~13.3.2 **Requirements**~~

~~13.3.2.1 BellSouth shall make the BellSouth LNP database available for AT&T switches to query to obtain the appropriate routing number on calls to ported numbers or the industry specified indication that the number is not ported for non-ported numbers in NPA-NXXs that are opened to portability. The specified indication will also be provided when the NPA-NXX is not open to portability;~~

~~13.3.2.2 Query responses shall provide such additional information, for example, Service Provider identification, as may be specified in the LNP implementation in the relevant regulatory jurisdiction;~~

~~13.3.2.3 BellSouth shall provide GTT for CLASS or LIDB queries routed to BellSouth network by AT&T switches. BellSouth database or other Network Element shall perform the GTT function and route the query to the appropriate switch or LIDB accordingly;~~

~~13.3.2.4 The LNP database shall provide such other functionality as has been specified in the regulatory jurisdiction in which portability has been implemented;~~

~~13.3.2.5 Unavailability of the LNP database query and GTT applications shall not exceed 4 minutes per year; and~~

~~13.3.2.6 The BellSouth LNP database shall respond to a query within 125 msec. of receipt of the query.~~

~~13.3.3 **Interface Requirements**~~

~~BellSouth shall interconnect the signaling interface between the AT&T or other local switch and the LNP database using the TCAP protocol as specified in the technical reference in Section 11.7.1, together with the signaling network interface as specified in the technical reference in~~

13.1 **Local Switching Definition:**

13.2

13.3

13.4 **Line Information Database (LIDB). See BellSouth proposed replacement section below. To facilitate negotiations, we have left the original wording in tact. We are still discussing internally and may provide a "combined" version tomorrow.**

This Subsection 11.4 defines and sets forth additional requirements for the Line Information Database. This Subsection 11.4 supplements the requirements of Subsection 11.2 and 11.7.

13.4.1 **Definition:**

The Line Information Database (LIDB) is a transaction-oriented database accessible through Common Channel Signaling (CCS) networks. It contains records associated with customer Line Numbers and Special Billing Numbers (in accordance with the requirements in the technical reference in Section 11.7.5). LIDB accepts queries from other Network Elements and provides appropriate responses. The query originator need not be the owner of LIDB data. LIDB queries include functions such as screening billed numbers that provides the ability to accept Collect or Third Number Billing calls and validation of Telephone Line Number based non-proprietary calling cards. The interface for the LIDB functionality is the interface between BellSouth CCS network and other CCS networks. LIDB also interfaces to administrative systems. The administrative system interface provides Work Centers with an interface to LIDB for functions such as provisioning, auditing of data, access to LIDB measurements and reports.

13.4.2 ***Technical Requirements***

13.4.2.1 Prior to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number record, (in accordance with the technical reference in Section 11.7.5) whether ported or not, for which the NPA-NXX or NXX-0/1XX Group is supported by that LIDB.

13.4.2.2 Prior to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number (in accordance with the technical reference in Section 11.7.5) record, whether ported or not, and NPA-NXX and NXX-0/1XX Group Records, belonging to an NPA-NXX or NXX-0/1XX owned by AT&T.

13.4.2.3 Subsequent to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number (in accordance with the technical reference in Section 11.7.5) record, whether ported or not, regardless of the number's NPA-NXX or NXX-0/1XX.

13.4.2.4 BellSouth shall perform the following LIDB functions (i.e., processing of the following query types as defined in the technical reference in Section 11.7.5) for AT&T's customer records in LIDB:

13.4.2.4.1 Billed Number Screening (provides information such as whether the Billed Number may accept Collect or Third Number Billing calls); and

13.4.2.4.2 Calling Card Validation

13.4.2.5 BellSouth shall process AT&T's customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions (as defined in the technical reference in Section 11.7.5). BellSouth shall indicate to AT&T what additional functions (if any) are performed by LIDB in their network.

13.4.2.6 Within two (2) weeks after a request by AT&T, BellSouth shall provide AT&T with a list of the customer data items which AT&T would have to provide in order to support each required LIDB function. The list shall indicate which data items are essential to LIDB function, and which are required only to support certain services. For each data item, the list shall show the data formats, the acceptable values of the data item and the meaning of those values.

13.4.2.7 BellSouth shall provide LIDB systems for which operating deficiencies that would result in calls being blocked, shall not exceed 30 minutes per year.

13.4.2.8 BellSouth shall provide LIDB systems for which operating deficiencies that would not result in calls being blocked shall not exceed 12 hours per year.

13.4.2.9 BellSouth shall provide LIDB systems for which the LIDB function shall be in overload (degraded performance in accordance with the technical reference in Section 11.7.5) no more than 12 hours per year. Such deficiency period is in addition to the periods specified in Sections 11.4.2.7 and 11.4.2.8 above.

13.4.2.10 BellSouth shall provide AT&T with the capability to provision (e.g., to add, update, and delete) NPA-NXX and NXX-0/1XX Group Records, and Line Number and Special Billing Number Records, associated with AT&T customers, directly into the BellSouth's LIDB provisioning process.

13.4.2.11 In the event that end user customers changes their local service provider, BellSouth shall maintain customer data (for line numbers, card numbers, and for any

other types of data maintained in LIDB) so that such customers shall not experience any interruption of service due to the lack of such maintenance of customer data.

13.4.2.12 All additions, updates and deletions of AT&T data to the LIDB shall be solely at the direction of AT&T.

13.4.2.13 BellSouth shall provide priority updates to LIDB for AT&T data upon AT&T's request (e.g., to support fraud protection).

13.4.2.14 BellSouth shall provide AT&T the capability to directly obtain, through an electronic interface, reports of all AT&T data in LIDB.

13.4.2.15 BellSouth shall provide LIDB systems such that no more than 0.01% of AT&T customer records will be missing from LIDB, as measured by AT&T audits.

13.4.2.16 BellSouth shall perform backup and recovery of all of AT&T's data in LIDB as frequently as AT&T may reasonably specify, including sending to LIDB all changes made since the date of the most recent backup copy.

13.4.2.17 BellSouth shall provide to AT&T access to LIDB measurements and reports at least at parity with the capability the BellSouth has for its own customer records and that BellSouth provides to any other party. Such access shall be electronic.

13.4.2.18 BellSouth shall provide AT&T with LIDB reports of data which are missing or contain errors, as well as any misroute errors, within the time period reasonably designated by AT&T.

13.4.2.19 BellSouth shall prevent any access to or use of AT&T data in LIDB by BellSouth personnel or by any other party that is not authorized by AT&T in writing.

13.4.2.20 BellSouth shall provide AT&T performance of the LIDB Data Screening function, which allows a LIDB to completely or partially deny specific query originators access to LIDB data owned by specific data owners, (in accordance with the technical reference in Section 11.7.5) for Customer Data that is part of an NPA-NXX or NXX-0/1XX wholly or partially owned by AT&T at least at parity with BellSouth Customer Data. BellSouth shall obtain from AT&T the screening information associated with LIDB Data Screening of AT&T data in accordance with this requirement.

13.4.2.21 BellSouth shall accept queries to LIDB associated with AT&T customer records, and shall return responses in accordance with the requirements of this Section 11.

13.4.2.22 BellSouth shall provide mean processing time at the LIDB within 0.50 seconds under normal conditions as defined in the technical reference in Section 11.7.5.

13.4.2.23 BellSouth shall provide processing time at the LIDB within 1 second for 99% of all messages under normal conditions as defined in the technical reference in Section 11.7.5.

13.4.2.24 BellSouth shall provide 99.9 % of all LIDB queries in a round trip within 2 seconds.

13.4.2.25 BellSouth shall provide LIDB performance that complies with the following AT&T Direct Measures of Quality (DMOQs) :

13.4.2.25.1 There shall be at least a 99.9.% reply rate to all query attempts.

13.4.2.25.2 Queries shall time out at LIDB no more than 0.1% of the time.

13.4.2.25.3 Data in LIDB replies shall have at no more than 2% unexpected data values, for all queries to LIDB.

13.4.2.25.4 No more than 0.01% of all LIDB queries shall return a missing customer record.

13.4.2.25.5 There shall be no defects in LIDB Data Screening of responses.

13.4.2.25.6 Group troubles shall occur for no more than 1% of LIDB queries. Group troubles include:

13.4.2.25.6.1 Missing Group - When reply is returned "vacant" but there is no active record for the 6-digit NPA-NXX group.

13.4.2.25.6.2 Vacant Code - When a 6-digit code is active but is not assigned to any customer on that code.

13.4.2.25.6.3 Non-Participating Group and unavailable Network Resource - should be identified in the LARG (LIDB Access Routing Guide) so AT&T does not pay access for queries that will be denied in LIDB.

13.4.3 **Interface Requirements.**

BellSouth shall offer LIDB in accordance with the requirements of this subsection 11.4.3.

13.4.3.1 The interface to LIDB shall be in accordance with the technical reference in Section 11.7.3.

13.4.3.2 The CCS interface to LIDB shall be the standard interface described in Section 11.7.3.

13.4.3.3 The LIDB Data Base interpretation of the ANSI-TCAP messages shall comply with the technical reference in Section 11.7.4. Global Title Translation shall be

maintained in the signaling network in order to support signaling network routing to the LIDB.

Addendum 1

BellSouth's Line Information Database (LIDB) conforms to the functional requirements as specified in the following documents that support our LIDB validation service:

GR-1149-CORE Issue 1, October 1995
GR-1158-CORE Issue 2, October 1995
GR-446-CORE Issue 3, April 1996
GR-954-CORE Issue 1, June 1994, Rev.1, October 1995

BellSouth is not currently able to identify AT&T customer records below the NXX level. We expect to have this capability in 4Q97 via LIDB Service Provider ID.

Addendum 2

Attachment 1 provides a list of the data items, data formats, acceptable values of each data item and meaning of the values that need to be populated in the LIDB to support the required services listed in "LIDB Functionality's Requirements" (Addendum 1).

Group updates (e.g., NPA/NXX, RAO 0/1) will need to be coordinated with BellSouth's Administrative DBAC.

Addendum 3

(see attachment 2)

Addendum 4

(see attachment 2)

Addendum 5

1. Provisioning (add/update/delete) NPA-NXX Group Records is provided by the BellSouth DBAC. BellSouth does not currently permit direct access to LIDB for provisioning NPA-NXX Group Records.

2. BellSouth will provision Line Number Records into LIDB via the DBAC. Currently access to LIDB and its supporting Administrative Systems is not permitted.

3. The BellSouth DBAC will maintain customer data, however, changing the Local Service Provider will result in an interruption of service to the customer.

4. BellSouth agrees that all adds/updates/deletes of AT&T data will be initiated by AT&T.

5. LIDB data provisioning via electronic interface is not currently available. BellSouth agrees that this is both appropriate and desirable and BellSouth agrees to work with AT&T to that end, contingent upon adequate development time and resources on the part of both BellSouth and AT&T.

6. BellSouth agrees that the availability of LIDB provisioning will be the same as that provided for BellSouth's customers.

7. The BellSouth Fraud Center will provide 24 hour/7 day a week coverage for priority updates. The medium for these updates will be negotiated with AT&T.

8. An electronic Interface is not currently available. Interim procedures can be negotiated between AT&T and the BellSouth DBAC while interface development is in progress, should both parties allocate resources to support that development.

9. Auditing on a scheduled basis will be provided. Direct access to LIDB for auditing purposes is not permitted. (this requires additional clarification e.g. it appears that on-demand refers to unscheduled audits, however, there is a Demand Audit program that could be used)

10. This needs clarification e.g. how does AT&T define missing record? What units/data elements will be compared to determine per cent missing records? How would they expect to audit data?

11. BellSouth will provide Backup and Recovery for all of AT&T's data in LIDB.

12. When BellSouth performs a data restoral from backup copy, the DBAS will restore the database to include all data updates made since the date and time that the backup copy was used for restoral.

13. BellSouth will protect AT&T data in LIDB and in the DBAS from access or use that is not authorized by AT&T. BellSouth will treat AT&T data the same as we currently do for all of our LIDB customers.

14. BellSouth will perform LIDB Data Screening for queries to AT&T customer data that is part of an NPA-NXX or NXX-0/1XX owned or shared by AT&T. AT&T will provide the screening information associated with LIDB Data Screening of AT&T data.

15. BellSouth does not currently support the feature capability to load "ghost" numbers associated with Local Number Portability.

16. BellSouth will negotiate the setting of threshold parameters for fraud protection with AT&T. Minimum thresholds settings will include:

(a) Domestic terminating threshold
(b) International terminating threshold

(a) and (b) are dependent upon queries containing both calling and called ANI.

(c) Simultaneous calls threshold is not technically feasible at this time.

(d) geographically distributed call threshold is not technically feasible at this time.

17. The BellSouth Fraud Center will notify AT&T immediately if agreed upon thresholds have been exceeded. The notification process will be negotiated.

18. AT&T will be able to accomplish initial provisioning or subsequent update provisioning of customer lines with total denied capability for Collect and Billed-to-third calls through service order activity.

Addendum 6

1. An electronic report is not currently available. BellSouth will provide to AT&T a query report from the Billing Measurements System.

2. This report will be provided monthly to coincide with the negotiated billing date.

Addendum 7

1. Electronic access to measurements and reports is not currently available. BellSouth will provide a hard copy report including measurements associated with AT&T data.

2. The BellSouth Fraud Center will provide AT&T with reports on fraud detection/protection data. The measurements/requirements for reporting will be negotiated.

3. This needs the same clarification as question 10 in Addendum 5.

4. BellSouth will provide to AT&T any detected Misroute errors for NPA-NXX and NXX-0/1XX numbers that include AT&T customer data.

5. BellSouth will provide to AT&T a Billing Measurements System report on usage, traffic and performance measurements associated with queries to AT&T customer data.

13.5 **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. This Subsection 11.5 supplements the requirements of Subsection 11.2 and 11.7. BellSouth shall provide the Toll Free Number Database in accordance with the following: **AGREE**

Addendum 1 BellSouth's

13.5.1 **Technical Requirements**

13.5.1.1 BellSouth shall make BellSouth Toll Free Number Database available for AT&T to query with a toll-free number and originating information. **AGREE**

13.5.1.2 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. **AGREE**

13.5.1.3 The SCP shall also provide, at AT&T'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:

~~13.5.1.3.1 Network Management;~~ **DELETE**

~~13.5.1.3.1 Customer Sample Collection; and~~ **DELETE**

~~13.5.1.3.1 Service Maintenance~~ **DELETE**

13.5.2 **Interface Requirements**

(a) The signaling interface between the AT&T or other local switch and the Toll-Free Number database shall use the TCAP protocol as specified in the technical reference in Section 11.7.1, together with the signaling

network interface as specified in the technical reference in Sections 11.7.2 and 11.7.6 **AGREE**

~~Section 11.7.2, and such further requirements (e.g., AIN or IN protocols) as may be specified by bodies responsible for implementation of number portability in the jurisdiction at hand; (e.g., Generic Requirements for SCP Application and GTT Function for Number Portability, Issue 0.3, Final Draft, March 22, 1996 [Editor - Ameritech Inc.]).~~

13.4 **Line Information Database (LIDB).**

13.5 TOLL FREE DATABASE

13.6 **Automatic Location Identification/Data Management System (ALI/DMS)**

13.7 SCPs/Databases shall be equal to or better than all of the requirements for SCPs/Databases set forth in the following technical references:

13.7.1 GR-246-CORE, Bell Communications Research Specification of Signaling System Number 7, ISSUE 1 (Bellcore, December 199

13.7.2 GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP). (Bellcore, March 1994);

13.7.3 GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line Information Database (LIDB) Service 6, Issue 1, Rev. 1 (Bellcore, October 1995);

13.7.4 GR-1149-CORE, OSSGR Section 10: System Interfaces, Issue 1 (Bellcore, October 1995) (Replaces TR-NWT-001149);

13.7.5 GR-1158-CORE, OSSGR Section 22.3: Line Information Database 6, Issue (Bellcore, October 1995);

13.7.6 GR-1428-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll Free Service (Bellcore, May 1995); and

13.7.7 BOC Notes on BellSouth Networks, SR-TSV-002275, ISSUE 2, (Bellcore, April 1994).

13.8 ***Service Creation Environment and Service Management System (SCE/SMS) Advanced Intelligent Network (AIN) Access***

13.8.1 BellSouth's DesignEDGE℠ service supports the capability that will allow AT&T and other third parties to create service applications in a BellSouth Service Creation Environment and deploy those applications via the BellSouth SMS to a BellSouth SCP. The third party service applications interact with AIN triggers provisioned on a BellSouth

SSP. See Figure 8 below. [This figure may be misinterpreted to imply that some sort of automated interface exists between the BellSouth and AT&T provisioning processes. This interface does not currently exist.]

13.8.2 ~~SCE/SMS AIN Access shall provide AT&T the ability to create service applications in BellSouth SCE and deploy those applications via BellSouth SMS to BellSouth SCP. This interconnection arrangement shall provide AT&T access to BellSouth development environment and administrative system in a manner at least at parity with BellSouth's ability to deliver its own AIN based services. SCE/SMS AIN Access is the provisioning of AIN triggers in a BellSouth local switch, development of service applications within BellSouth Service Creation Environment, and deployment of service applications via BellSouth Service Management System. See Figure 8 below~~.

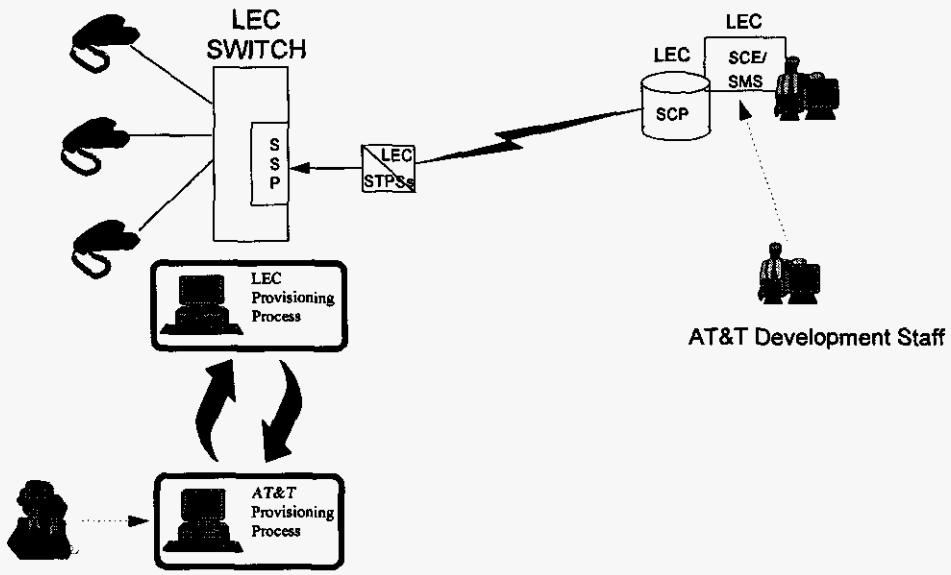


Figure 8

13.8.2 BellSouth's DesignEDGE[sm] service ~~BellSouth shall~~ will make SCE hardware, software, testing and technical support (*e.g.*, help desk, system administrator) resources available to AT&T. Scheduling of SCE resources shall allow AT&T at least equal priority to BellSouth.

13.8.3 BellSouth's DesignEDGE[sm] service will ~~BellSouth SCE/SMS shall~~ allow for multi-user access with proper source code management and other logical security functions as specified in the Security section of this Agreement.

13.8.4 With DesignEDGE[sm] service, BellSouth's SCP shall partition and protect AT&T service logic and data from unauthorized access, execution or other types of compromise.

13.8.5 ~~BellSouth shall provide training, documentation, and technical support of AT&T development staff in a manner at least at parity with that provided to BellSouths own development staff. Training sessions shall be "suitcased" to AT&T facilities or delivered at BellSouth facilities, at AT&T's discretion.~~

13.8.6 BellSouth's DesignEDGE[sm] service will ~~When AT&T selects SCE/SMS AIN Access, BellSouth shall~~ provide for a secure, controlled access environment on-site as well as via remote data connections (*e.g.*, dial up, LAN, WAN).

13.8.7 BellSouth's DesignEDGE[sm] service will ~~When AT&T selects SCE/SMS AIN Access, BellSouth shall~~ allow AT&T to download data forms and/or tables to BellSouth SCP via BellSouth SMS without intervention from BellSouth (*e.g.*, service customization and customer subscription).

13.8.8 ~~SCPs/Databases shall offer SCE/SMS AIN Access in accordance with the requirements of: GR-1280-CORE, AIN Service Control Point (SCP) Generic Requirements.~~

14. Tandem Switching

14.1 Definition

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

14.2 Technical Requirements

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

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

14.2.1.2 ~~Tandem Switching shall provide screening and routing as designated by AT&T~~; Tandem Switching will provide screening and routing as jointly agreed to by AT&T and BellSouth

14.2.1.2 ~~Tandem Switching shall provide recording of all billable events designated by AT&T~~; Tandem Switching will provide recording of all billable events as jointly agreed to by AT&T and BellSouth

~~14.2.1.2 Tandem Switching shall provide Advanced Intelligent Network triggers supporting AIN features~~

14.2.1.2 ~~Tandem Switching shall provide connectivity to Operator Systems as designated by AT&T~~; Tandem Switching will provide connection to BST operator system

14.2.1.2 Tandem Switching shall provide access to Toll Free number portability database as designated by AT&T; **Need clarification from AT&T**

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

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

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

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

14.2.3 Tandem Switching shall provide local tandeming functionality between two end offices including two offices belonging to different CLEC's (e.g., between an AT&T end office and the end office of another CLEC).

14.2.4 Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed. Additional signaling information and requirements are provided in Section 10

14.2.5 ~~Tandem Switching shall record billable events and send them to the area billing centers designated by AT&T. Billing requirements are specified in Attachment 6 of this Agreement.~~ Tandem Switching will provide recording of all billable events as jointly agreed to by AT&T and BellSouth

14.2.5 ~~BellSouth shall perform routine testing and fault isolation on the underlying switch that is providing Tandem Switching and all its interconnections. When requested by AT&T, the results and reports of the testing shall be made immediately available to AT&T~~.

14.2.5 BellSouth shall maintain AT&T's trunks and interconnections associated with Tandem Switching at least at parity to its own trunks and interconnections.

14.2.6 ~~When requested by AT&T, BellSouth shall provide performance data regarding traffic characteristics or other measurable elements to AT&T for review~~.

14.2.6 Tandem Switching shall control congestion using capabilities such as Automatic Congestion Control and Network Routing Overflow. Congestion control provided or imposed on AT&T traffic shall be at parity with controls being provided or imposed on BellSouth traffic (e.g., BellSouth shall not block AT&T traffic and leave its traffic unaffected or less affected).

~~14.2.7 Tandem Switching shall route calls to BellSouth or AT&T endpoints or platforms (e.g., operator services and PSAPs) on a per call basis as designated by AT&T. Detailed primary and overflow routing plans for all interfaces available within BellSouth switching network shall be mutually agreed to by AT&T and BellSouth. Such plans shall meet AT&T requirements for routing calls through the local network.~~

14.2.7 Tandem Switching shall process originating toll-free traffic received from an AT&T local switch.

~~14.2.8 In support of AIN triggers and features, Tandem Switching shall provide SSP capabilities when these capabilities are not available from the Local Switching Network Element.~~

~~14.2.8 The Local Switching and Tandem Switching functions may be combined in an office. If this is done, both Local Switching and Tandem switching shall provide all of the functionality required of each of those Network Elements in this Agreement.~~

14.3 **Interface Requirements**

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

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

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

14.3.4 Tandem Switching shall interconnect with AT&T's switch, using two-way trunks, for traffic that is transiting via BellSouth network to interLATA or intraLATA carriers. At AT&T's request, Tandem Switching shall record and keep records of traffic for billing.

14.3.5 ~~At AT&T's request, Tandem Switching shall provide overflow routing of traffic from a given trunk group or groups onto another trunk group or groups according to the methodology that AT&T designates.~~ Tandem Switching shall provide an alternate final

routing pattern for AT&T traffic overflowing from direct end office high usage trunk groups

14.3.5 ~~Tandem Switching shall adhere to the Trunk Interface Requirements provided in the "Network Interconnection" section~~.

14.4 Tandem Switching shall meet or exceed (i.e., be more favorable to AT&T) each of the requirements for Tandem Switching set forth in the following technical references:

14.4.1 Bell Communications Research TR-TSY-000540 Issue 2R2, Tandem Supplement, 6/1/90;

14.4.2 GR-905-CORE covering CCSNIS;

14.4.3 GR-1429-CORE for call management features; and
GR-2863-CORE and GR-2902-CORE covering CCS AIN interconnection

~~6.1.1.1~~ ~~AT&T Technical Reference TR 62421, ACCUNET Spectrum of Digital Services Description and Interface Specification, December 1989; Also TR 62421A Addendum 2, November 1992.~~

~~6.1.1.1~~ ~~AT&T Technical Reference TR 54014, ACCUNET T45 Reserved Services - Service Description and Interface Specification.~~

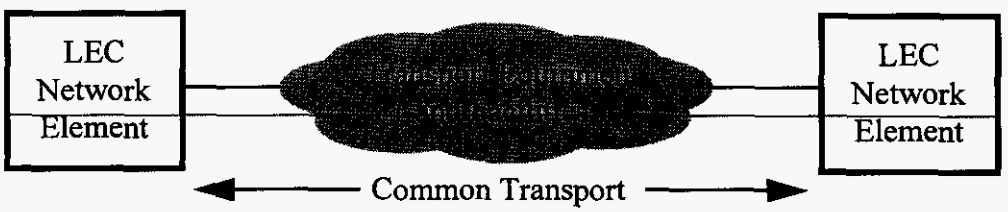
~~6.1.1.1~~ ~~AT&T Technical Reference TR 54018, ACCUNET T155 Service Description and Interface Specification.~~

7. **Local Switching** to be provided 7/26/96

8. **Operator Systems** to be provided 7/30

9. **Common Transport**

~~9.1~~ **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 provided as a part of the Network Elements and is not Common Transport.~~



~~Figure 2~~

~~9.2~~ ~~**Technical Requirements**~~

~~9.1.1~~ ~~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 7.2.4.31.~~

~~9.1.1~~ ~~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 7.2.4.30.~~

~~9.1.1~~ ~~BellSouth shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common Transport.~~

~~9.1.1~~ ~~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):~~

~~9.1.1.1~~ ~~ANSI T1.101-1994, American National Standard for Telecommunications - Synchronization Interface Standard Performance and Availability;~~

~~9.1.1.1~~ ~~ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces;~~

~~9.1.1.1~~ ~~ANSI T1.102.01-199x, American National Standard for Telecommunications - Digital Hierarchy - VT1.5;~~

~~9.1.1.1~~ ~~ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats;~~

~~9.1.1.1~~ ~~ANSI T1.105.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Automatic Protection Switching;~~

~~9.1.1.1~~ ~~ANSI T1.105.02-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Payload Mappings;~~

~~9.1.1.1~~ ~~ANSI T1.105.03-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Jitter at Network Interfaces;~~

~~9.1.1.1~~ ~~ANSI T1.105.03a-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET): Jitter at Network Interfaces - DS1 Supplement;~~

~~9.1.1.1~~ ~~ANSI T1.105.05-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Tandem Connection;~~

~~9.1.1.1~~ ~~ANSI T1.105.06-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Physical Layer Specifications;~~

9.1.1.1 ANSI T1.105.07-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Sub STS-1 Interface Rates and Formats;

9.1.1.1 ANSI T1.105.09-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Network Element Timing and Synchronization;

9.1.1.1 ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode);

9.1.1.1 ANSI T1.107-1988, American National Standard for Telecommunications - Digital Hierarchy - Formats Specifications;

9.1.1.1 ANSI T1.107a-1990 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications (DS3 Format Applications);

9.1.1.1 ANSI T1.107b-1991 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications;

9.1.1.1 ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach);

9.1.1.1 ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification;

9.1.1.1 ANSI T1.404-1994, Network to Customer Installation - DS3 Metallic Interface Specification;

9.1.1.1 ITU Recommendation G.707, Network node interface for the synchronous digital hierarchy (SDH);

9.1.1.1 ITU Recommendation G.704, Synchronous frame structures used at 1544, 6312, 2048, 8488 and 44736 kbit/s hierarchical levels;

9.1.1.1 Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements;

9.1.1.1 Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance;

9.1.1.1 Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria;

~~9.1.1.1~~ ~~Bellcore TR-NWT-000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.);~~

~~9.1.1.1~~ ~~Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access;~~

~~9.1.1.1~~ ~~Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1 February 1991;~~

~~9.1.1.1~~ ~~Bellcore ST-TEC-000052, Telecommunications Transmission Engineering Textbook, Volume 2: Facilities, Third Edition, Issue I May 1989;~~

~~9.1.1.1~~ ~~Bellcore ST-TEC-000051, Telecommunications Transmission Engineering Textbook Volume 1: Principles, Third Edition. Issue 1 August 1987;~~

~~9.1.1.1~~ ~~AT&T Technical Reference 54014, ACCUNET T45 Service Description and Interface Specification, May 1992; and~~

9.1.1.1 ~~AT&T Technical Reference TR 62411 ACCUNET T1.5 Service Description And Interface Specification, December 1990 and all addenda.~~

10. **Dedicated Transport**

10.1 **Definition:**

10.1.1 BellSouth agrees to dedicated point-to-point transport not used in conjunction with local switching. These terms and conditions for these services are found in existing BellSouth State Special Access tariff (Section E7).

10.1.2 ~~Dedicated Transport is an interoffice transmission path between AT&T designated locations. Such locations may include BellSouth central offices or other equipment locations, AT&T network components, other carrier network components, or customer premises. Dedicated Transport is depicted below in Figure 3.~~

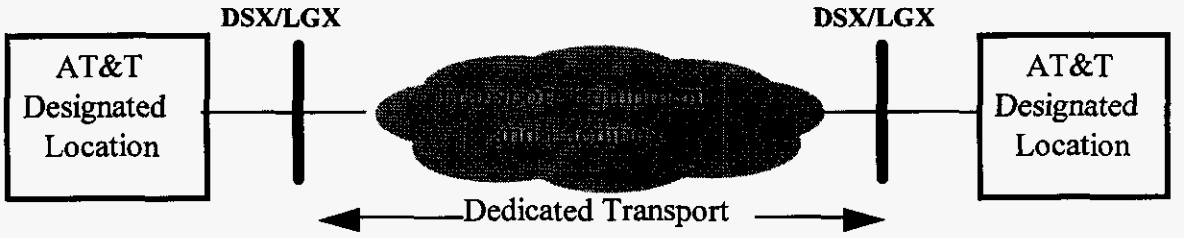


Figure 3

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

10.1.1.1 As capacity on a shared circuit.

10.1.1.1 As a circuit (e.g., DS1, DS3, STS-1) dedicated to AT&T.

10.1.1.1 As a system (i.e., the equipment and facilities used to provide Dedicated Transport such as SONET ring) dedicated to AT&T.

10.1.2 When Dedicated Transport is provided as a circuit or as capacity on a shared circuit, it shall include (as appropriate):

10.1.1.1 Multiplexing functionality;

10.1.1.1 Grooming functionality; and,

10.1.1.1 Redundant equipment and facilities necessary to support protection and restoration.

10.1.2 When Dedicated Transport is provided as a system it shall include:

10.1.1.1 Transmission equipment such as multiplexers, line terminating equipment, amplifiers, and regenerators;

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

10.1.1.1 Redundant equipment and facilities necessary to support protection and restoration; and,

10.1.1.1 Dedicated Transport includes the Digital Cross-Connect System (DCS) functionality as an option. DCS is described below in Section 8.5.

10.2 **Technical Requirements**
This Section sets forth technical requirements for all Dedicated Transport.

10.1.2 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 AT&T designated traffic.

10.1.2 BellSouth shall offer Dedicated Transport in all then currently available technologies including, but not limited to, DS1 and DS3 transport systems, SONET (or SDH) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONET (or SDH) point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates.

10.1.2 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 technical reference set forth in Section 7.2.4.31.

10.1.2 For DS3 circuits, STS-1 circuits, and higher rate 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 reference set forth in Section 7.2.4.30.

10.1.2 When requested by AT&T, 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.

10.1.2 When physical diversity is requested by AT&T, BellSouth shall provide the maximum feasible physical separation between intra-office and inter-office transmission paths (unless otherwise agreed by AT&T).

10.1.2 Upon AT&T's request, BellSouth shall provide real time and continuous remote access to performance monitoring and alarm data affecting, or potentially affecting, AT&T's traffic.

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

10.1.1.1 DS1 (Extended SuperFrame - ESF, D4, and unframed applications shall be provided);

10.1.1.1 DS3 (C-bit Parity, M13, and unframed applications shall be provided);

10.1.1.1 SONET standard interface rates in accordance with ANSI T1.105 and ANSI T1.105.07 and physical interfaces per ANSI T1.106.06 (including

referenced interfaces). In particular, VT1.5 based STS-1s will be the interface at an AT&T service node.

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

10.1.2 BellSouth shall provide cross-office wiring up to a suitable Point of Termination (POT) between Dedicated Transport and AT&T designated equipment. BellSouth shall provide the following equipment for the physical POT:

10.1.1.1 DSX1 for DS1s or VT1.5s;

10.1.1.1 DSX3 for DS3s or STS-1s; and

10.1.1.1 LGX for optical signals (e.g., OC-3 and OC-12)

10.1.2 BellSouth shall provide physical access to the POT for personnel designated by AT&T (for testing, facility interconnection, and other purposes designated by AT&T) 24 hours a day, 7 days a week.

10.1.2 For Dedicated Transport provided as a system, BellSouth shall design the system (including but not limited to facility routing and termination points) according to AT&T specifications.

10.1.2 Upon AT&T's request, BellSouth shall provide AT&T with electronic provisioning control of an AT&T specified Dedicated Transport.

10.1.2 BellSouth shall offer Dedicated Transport together with and separately from DCS.

10.2 **Technical Requirements for Dedicated Transport Using SONET technology**.

This Section sets forth additional technical requirements for Dedicated Transport using SONET technology including rings, point-to-point systems, and linear add-drop systems.

10.1.2 All SONET Dedicated Transport provided as a system shall:

10.1.1.1 Be synchronized from both a primary and secondary Stratum 1 level timing source. Additional detail on synchronization requirements are given in Section 13.4.

~~10.1.1.1~~ ~~Provide SONET standard interfaces which properly interwork with SONET standard equipment from other vendors. This includes, but is not limited to, SONET standard Section, Line, and Path performance monitoring, maintenance signals, alarms, and data channels.~~

~~10.1.1.1~~ ~~Provide Data Communications Channel (DCC) or equivalent connectivity through the SONET transport system. Dedicated Transport provided over a SONET transport system shall be capable of routing DCC messages between AT&T SONET network components connected to the Dedicated Transport. For example, if AT&T leases a SONET ring from BellSouth, that ring shall support DCC message routing between AT&T SONET network components connected to the ring.~~

~~10.1.1.1~~ ~~Support the following performance requirements for each circuit (STS-1, DS1, DS3, etc.):~~

~~10.1.1.1.1~~ ~~No more than 10 Errored Seconds Per Day (Errored Seconds are defined in the technical reference at Section 8.4.5); and~~

~~10.1.1.1.1~~ ~~No more than 1 Severely Errored Second Per Day (Severely Errored Seconds are defined in the technical reference at Section 8.4.5).~~

~~10.1.2~~ ~~All SONET rings shall:~~

~~10.1.1.1~~ ~~Be provisioned on physically diverse fiber optic cables (including separate building entrances where available and diversely routed intra-office wiring). "Diversely routed" shall be interpreted as the maximum feasible physical separation between transmission paths, unless otherwise agreed by AT&T.~~

~~10.1.1.1~~ ~~Support dual ring interworking per SONET Standards.~~

~~10.1.1.1~~ ~~Provide the necessary redundancy in optics, electronics, and transmission paths (including intra-office wiring) such that no single failure will cause a service interruption.~~

~~10.1.1.1~~ ~~Provide the ability to disable ring protection switching at AT&T's direction (selective protection lock-out). This requirement applies to line switched rings only.~~

~~10.1.1.1~~ ~~Provide the ability to use the protection channels to carry traffic (extra traffic). This requirement applies to line switched rings only.~~

~~10.1.1.1~~ ~~Provide 50 millisecond restoration unless a ring protection delay is set to accommodate dual ring interworking schemes.~~

~~10.1.1.1~~ ~~Have settable ring protection switching thresholds that shall be set in accordance with AT&T's specifications.~~

~~10.1.1.1~~ ~~Provide revertive protection switching with a settable wait to restore delay with a default setting of 5 minutes. This requirement applies to line switched rings only.~~

~~10.1.1.1~~ ~~Provide non-revertive protection switching. This requirement applies to path switched rings only.~~

~~10.1.1.1~~ ~~Adhere to the following availability requirements, where availability is defined in the technical reference set forth in Section 8.4.5.~~

~~10.1.1.1.1~~ ~~No more than 0.25 minutes of unavailability month; and~~

~~10.1.1.1.1~~ ~~No more than 0.5 minutes of unavailability per year.~~

~~10.2~~ ~~At a minimum, Dedicated Transport shall meet each of the requirements set forth in Section 7.2.4 and in the following technical references.~~

~~10.1.2~~ ~~ANSI T1.105.04-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Data Communication Channel Protocols and Architectures;~~

~~10.1.2~~ ~~ANSI T1.119-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications;~~

~~10.1.2~~ ~~ANSI T1.119.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Protection Switching Fragment;~~

~~10.1.2~~ ~~ANSI T1.119.02-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Performance Monitoring Fragment;~~

~~10.1.2~~ ~~ANSI T1.231-1993 -American National Standard for Telecommunications - Digital Hierarchy - Layer 1 In-Service Digital Transmission performance monitoring.~~

~~10.1.2~~ ~~AT&T Technical Reference TR 54016, Requirements For Interfacing Digital Terminal Equipment To Services Employing The Extended Superframe Format, September 1989;~~

~~10.1.2~~ ~~AT&T Technical Reference TR 62421 ACCUNET Spectrum of Digital Services Description And Interface Specification, December 1989 and all addenda;~~

~~10.1.2~~ ~~AT&T Technical Reference TR 62310, DS0 Digital Local Channel Description And Interface Specification, August 1993 and all addenda; and~~

~~10.1.2~~ ~~AT&T Technical Reference TR 62415, Access Specification For High Capacity (DS1/DS3) Dedicated Digital Service, June 1989 and all addenda.~~

10.2 **Digital Cross-Connect System (DCS)**

10.2.1 **Definition:**

~~10.2.1.1~~ The terms and conditions for DCS are found in BellSouth's Special Access Tariff (Section 7, FlexServ). ~~is a function which provides automated cross connection of Digital Signal level 0 (DS0) or higher transmission bit rate digital channels within physical interface facilities. Types of DCSs include but are not limited to DCS 1/0s, DCS 3/1s, and DCS 3/3s, where the nomenclature 1/0 denotes interfaces typically at the DS1 rate or greater with cross-connection typically at the DS0 rate. This same nomenclature, at the appropriate rate substitution, extends to the other types of DCSs specifically cited as 3/1 and 3/3. Types of DCSs that cross-connect Synchronous Transport Signal level 1 (STS-1s) or other Synchronous Optical Network (SONET) signals (*e.g.*, STS-3) are also DCSs, although not denoted by this same type of nomenclature. DCS may provide the functionality of more than one of the aforementioned DCS types (e.g., DCS 3/3/1 which combines functionality of DCS 3/3 and DCS 3/1). For such DCSs, the requirements will be, at least, the aggregation of requirements on the "component" DCSs.~~

~~10.2.1.2~~ ~~In locations where automated cross-connection capability does not exist, DCS will be defined as the combination of the functionality provided by a Digital Signal Cross-Connect (DSX) or Light Guide Cross-Connect (LGX) patch panels and D4 channel banks or other DS0 and above multiplexing equipment used to provide the function of a manual cross connection.~~

~~10.2.1.2~~ ~~Interconnection between a DSX or LGX, to a switch, another cross-connect, or other service platform device, is included as part of DCS.~~

~~10.3~~ ~~**DCS Technical Requirements**~~

~~10.2.2~~ ~~DCS shall provide completed end-to-end cross-connection of the channels designated by AT&T.~~

~~10.2.2~~ ~~DCS shall perform facility grooming, multipoint bridging, one-way broadcast, two-way broadcast, and facility test functions.~~

~~10.2.2~~ ~~DCS shall provide multiplexing, format conversion, signaling conversion, or other functions.~~

~~10.2.2~~ ~~The end-to-end cross-connection assignment shall be input to the underlying device used to provide DCS from an operator at a terminal or via an intermediate system. The cross-connection assignment shall remain in effect whether or not the circuit is in use.~~

~~10.2.2~~ ~~BellSouth shall continue to administer and maintain DCS, including updates to the control software to current available releases.~~

~~10.2.2~~ ~~BellSouth shall provide various types of Digital Cross-Connect Systems including:~~

~~10.2.1.2~~ ~~DS0 cross-connects (typically termed DCS 1/0);~~

~~10.2.1.2~~ ~~DS1/VT1.5 (Virtual Tributaries at the 1.5Mbps rate) cross-connects (typically termed DCS 3/1);~~

~~10.2.1.2~~ ~~DS3 cross-connects (typically termed DCS 3/3);~~

~~10.2.1.2~~ ~~STS-1 cross-connects; and~~

~~10.2.1.2~~ ~~Other technically feasible cross-connects designated by AT&T.~~

~~10.2.2~~ ~~BellSouth shall provide immediate and continuous configuration and reconfiguration of the channels between the physical interfaces (*i.e.*, BellSouth shall establish the processes to implement cross connects on demand, or, at AT&T's option, permit AT&T control of such configurations and reconfigurations).~~

~~10.2.2~~ ~~BellSouth shall provide scheduled configuration and reconfiguration of the channels between the physical interfaces (*i.e.*, BellSouth shall establish the processes to implement cross connects on the schedule designated by AT&T, or, at AT&T's option, permit AT&T to control such configurations and reconfigurations).~~

~~10.2.2~~ ~~DCS shall continuously monitor protected circuit packs and redundant common equipment.~~

10.2.2 DCS shall automatically switch to a protection circuit pack on detection of a failure or degradation of normal operation.

10.2.2 The underlying equipment used to provide DCS shall be equipped with a redundant power supply or a battery back-up.

10.2.2 BellSouth shall make available to AT&T spare facilities and equipment necessary for provisioning repairs, and to meet AT&T's Direct Measures Of Quality (DMOQs) as specified in the Provisioning and Maintenance sections.

10.2.2 Effective as of the date this unbundled network element is offered, BellSouth will perform network management functions twenty-four (24) hours a day seven (7) days a week via electronic interfaces between AT&T and BellSouth network management centers. At AT&T's option, BellSouth shall provide AT&T with real time performance monitoring and alarm data on the signals and the components of the underlying equipment used to provide DCS that actually impact or might impact AT&T's services. For example, this may include hardware alarm data and facility alarm data on a DS3 in which an AT&T DS1 is traversing.

10.2.2 At AT&T's option, BellSouth shall provide AT&T with real time ability to initiate tests on integrated equipment used to test the signals and the underlying equipment used to provide DCS, as well as other integrated functionality for routine testing and fault isolation.

10.2.2 DCS shall provide SONET to asynchronous gateway functionality (*e.g.*, STS-1 to DS1 or STS-1 to DS3).

10.2.2 DCS shall perform optical to electrical conversion where the underlying equipment used to provide DCS contains optical interfaces or terminations (*e.g.*, Optical Carrier level 3, i.e., OC-3, interfaces on a DCS 3/1).

10.2.2 DCS shall have SONET ring terminal functionality where the underlying equipment used to provide DCS acts as a terminal on a SONET ring.

10.2.2 DCS shall provide multipoint bridging of multiple channels to other DCSs. AT&T may designate multipoint bridging to be one-way broadcast from a single master to multiple tributaries, or two-way broadcast between a single master and multiple tributaries.

10.2.2 DCS shall multiplex lower speed channels onto a higher speed interface and demultiplex higher speed channels onto lower speed interfaces as designated by AT&T.

10.2.2 DCS shall perform signaling conversion and data conditioning as designated by AT&T. Such functions shall comply, at a minimum, with AT&T Technical Reference TR 62421 ACCUNET® Spectrum of Digital Services, December 1989 and AT&T Technical Reference TR 62310 DS0 Digital Local Channel Description and Interface Specification, August 1993, including current addendums.

10.3 **DCS Interface Requirements**

10.2.2 BellSouth shall provide physical interfaces on DS0, DS1, and VT1.5 channel cross-connect devices at the DS1 rate or higher. In all such cases, these interfaces shall be in compliance with applicable Bellcore, ANSI, ITU, and AT&T standards.

10.2.2 BellSouth shall provide physical interfaces on DS3 channel cross-connect devices at the DS3 rate or higher. In all such cases, these interfaces shall be in compliance with applicable Bellcore, ANSI, ITU, and AT&T standards.

10.2.2 BellSouth shall provide physical interfaces on STS-1 cross-connect devices at the OC-3 rate or higher. In all such cases, these interfaces shall be in compliance with applicable Bellcore, ANSI, ITU , and AT&T standards.

10.2.2 Interfaces on all other cross-connect devices shall be in compliance with applicable Bellcore, ANSI, ITU , and AT&T standards.

10.3 DCS shall, at a minimum, meet all the requirements set forth in the following technical references:

10.2.2 AT&T Technical Reference TR 62421 ACCUNET® Spectrum of Digital Services Description And Interface Specification, December 1989 and TR 62421A Addendum 2, November 1992;

10.2.2 AT&T Data Communications Technical Reference TR 62310 DS0 Digital Local Channel Description and Interface Specification, August 1993, and all addendums;

10.2.2 AT&T Technical Reference TR 62415 Access Specification For High Capacity (DS1/DS3) Dedicated Digital Service, June 1989, and all addendums including TR 62415A3 July, 1992;

10.2.2 AT&T Technical Reference TR 62411 ACCUNET® T1.5 Service Description And Interface Specification, December 1990 and all addendums including Addendum 2, October 1992;

~~10.2.2~~ ~~AT&T Technical Reference TR 54014 ACCUNET® T45 and T45 Reserved Services – Service Description And Interface Specification;~~

~~10.2.2~~ ~~AT&T Technical Reference TR 54018 OC-3 Optical Interface Specifications, November 1991;~~

~~10.2.2~~ ~~AT&T Technical Reference TR 54016 Requirements For Interfacing Digital Terminal Equipment To Services Employing The Extended Superframe Format, September 1989;~~

~~10.2.2~~ ~~ANSI T1.102-1993, American National Standard for Telecommunications – Digital Hierarchy – Electrical Interfaces;~~

~~10.2.2~~ ~~ANSI T1.102.01-199x, American National Standard for Telecommunications – Digital Hierarchy – VT1.5;~~

~~10.2.2~~ ~~ANSI T1.105-1995, American National Standard for Telecommunications – Synchronous Optical Network (SONET) – Basic Description including Multiplex Structure, Rates and Formats;~~

~~10.2.2~~ ~~ANSI T1.105.03-1994, American National Standard for Telecommunications – Synchronous Optical Network (SONET) – Jitter at Network Interfaces;~~

~~10.2.2~~ ~~ANSI T1.105.03a-1995, American National Standard for Telecommunications – Synchronous Optical Network (SONET): Jitter at Network Interfaces – DS1 Supplement;~~

~~10.2.2~~ ~~ANSI T1.105.06-199x, American National Standard for Telecommunications – Synchronous Optical Network (SONET) – Physical Layer Specifications;~~

~~10.2.2~~ ~~ANSI T1.106-1988, American National Standard for Telecommunications – Digital Hierarchy – Optical Interface Specifications (Single Mode);~~

~~10.2.2~~ ~~ANSI T1.107-1988, American National Standard for Telecommunications – Digital Hierarchy – Formats Specifications;~~

~~10.2.2~~ ~~ANSI T1.107a-1990 – American National Standard for Telecommunications – Digital Hierarchy – Supplement to Formats Specifications (DS3 Format Applications);~~

~~10.2.2~~ ~~ANSI T1.107b-1991 – American National Standard for Telecommunications – Digital Hierarchy – Supplement to Formats Specifications;~~

~~10.2.2~~ ~~ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach);~~

~~10.2.2~~ ~~ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification;~~

~~10.2.2~~ ~~ANSI T1.404-1994, Network to Customer Installation - DS3 Metallic Interface Specification;~~

~~10.2.2~~ ~~ITU Recommendation G.707, Network node interface for the synchronous digital hierarchy (SDH);~~

~~10.2.2~~ ~~ITU Recommendation G.704, Synchronous frame structures used at 1544, 6312, 2048, 8488 and 44736 kbit/s hierarchical levels;~~

~~10.2.2~~ ~~FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements;~~

~~10.2.2~~ ~~GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance;~~

~~10.2.2~~ ~~GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria; and~~

10.2.2 ~~TR-NWT-000776, Network Interface Description for ISDN Customer Access.~~

13.1 **Local Switching Definition:**

13.2

13.3

13.4 **Line Information Database (LIDB). See BellSouth proposed replacement section below. To facilitate negotiations, we have left the original wording in tact. We are still discussing internally and may provide a "combined" version tomorrow.**

This Subsection 11.4 defines and sets forth additional requirements for the Line Information Database. This Subsection 11.4 supplements the requirements of Subsection 11.2 and 11.7.

13.4.1 **Definition:**

The Line Information Database (LIDB) is a transaction-oriented database accessible through Common Channel Signaling (CCS) networks. It contains records associated with customer Line Numbers and Special Billing Numbers (in accordance with the requirements in the technical reference in Section 11.7.5). LIDB accepts queries from other Network Elements and provides appropriate responses. The query originator need not be the owner of LIDB data. LIDB queries include functions such as screening billed numbers that provides the ability to accept Collect or Third Number Billing calls and validation of Telephone Line Number based non-proprietary calling cards. The interface for the LIDB functionality is the interface between BellSouth CCS network and other CCS networks. LIDB also interfaces to administrative systems. The administrative system interface provides Work Centers with an interface to LIDB for functions such as provisioning, auditing of data, access to LIDB measurements and reports.

13.4.2 **Technical Requirements**

13.4.2.1 Prior to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number record, (in accordance with the technical reference in Section 11.7.5) whether ported or not, for which the NPA-NXX or NXX-0/1XX Group is supported by that LIDB.

13.4.2.2 Prior to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number (in accordance with the technical reference in Section 11.7.5) record, whether ported or not, and NPA-NXX and NXX-0/1XX Group Records, belonging to an NPA-NXX or NXX-0/1XX owned by AT&T.

13.4.2.3 Subsequent to the availability of a long-term solution for Local Number Portability, BellSouth shall enable AT&T to store in BellSouth's LIDB any customer Line Number or Special Billing Number (in accordance with the technical reference in Section 11.7.5) record, whether ported or not, regardless of the number's NPA-NXX or NXX-0/1XX.

13.4.2.4 BellSouth shall perform the following LIDB functions (i.e., processing of the following query types as defined in the technical reference in Section 11.7.5) for AT&T's customer records in LIDB:

13.4.2.4.1 Billed Number Screening (provides information such as whether the Billed Number may accept Collect or Third Number Billing calls); and

13.4.2.4.2 Calling Card Validation

13.4.2.5 BellSouth shall process AT&T's customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions (as defined in the technical reference in Section 11.7.5). BellSouth shall indicate to AT&T what additional functions (if any) are performed by LIDB in their network.

13.4.2.6 Within two (2) weeks after a request by AT&T, BellSouth shall provide AT&T with a list of the customer data items which AT&T would have to provide in order to support each required LIDB function. The list shall indicate which data items are essential to LIDB function, and which are required only to support certain services. For each data item, the list shall show the data formats, the acceptable values of the data item and the meaning of those values.

13.4.2.7 BellSouth shall provide LIDB systems for which operating deficiencies that would result in calls being blocked, shall not exceed 30 minutes per year.

13.4.2.8 BellSouth shall provide LIDB systems for which operating deficiencies that would not result in calls being blocked shall not exceed 12 hours per year.

13.4.2.9 BellSouth shall provide LIDB systems for which the LIDB function shall be in overload (degraded performance in accordance with the technical reference in Section 11.7.5) no more than 12 hours per year. Such deficiency period is in addition to the periods specified in Sections 11.4.2.7 and 11.4.2.8 above.

13.4.2.10 BellSouth shall provide AT&T with the capability to provision (e.g., to add, update, and delete) NPA-NXX and NXX-0/1XX Group Records, and Line Number and Special Billing Number Records, associated with AT&T customers, directly into the BellSouth's LIDB provisioning process.

13.4.2.11 In the event that end user customers changes their local service provider, BellSouth shall maintain customer data (for line numbers, card numbers, and for any

other types of data maintained in LIDB) so that such customers shall not experience any interruption of service due to the lack of such maintenance of customer data.

13.4.2.12 All additions, updates and deletions of AT&T data to the LIDB shall be solely at the direction of AT&T.

13.4.2.13 BellSouth shall provide priority updates to LIDB for AT&T data upon AT&T's request (e.g., to support fraud protection).

13.4.2.14 BellSouth shall provide AT&T the capability to directly obtain, through an electronic interface, reports of all AT&T data in LIDB.

13.4.2.15 BellSouth shall provide LIDB systems such that no more than 0.01% of AT&T customer records will be missing from LIDB, as measured by AT&T audits.

13.4.2.16 BellSouth shall perform backup and recovery of all of AT&T's data in LIDB as frequently as AT&T may reasonably specify, including sending to LIDB all changes made since the date of the most recent backup copy.

13.4.2.17 BellSouth shall provide to AT&T access to LIDB measurements and reports at least at parity with the capability the BellSouth has for its own customer records and that BellSouth provides to any other party. Such access shall be electronic.

13.4.2.18 BellSouth shall provide AT&T with LIDB reports of data which are missing or contain errors, as well as any misroute errors, within the time period reasonably designated by AT&T.

13.4.2.19 BellSouth shall prevent any access to or use of AT&T data in LIDB by BellSouth personnel or by any other party that is not authorized by AT&T in writing.

13.4.2.20 BellSouth shall provide AT&T performance of the LIDB Data Screening function, which allows a LIDB to completely or partially deny specific query originators access to LIDB data owned by specific data owners, (in accordance with the technical reference in Section 11.7.5) for Customer Data that is part of an NPA-NXX or NXX-0/1XX wholly or partially owned by AT&T at least at parity with BellSouth Customer Data. BellSouth shall obtain from AT&T the screening information associated with LIDB Data Screening of AT&T data in accordance with this requirement.

13.4.2.21 BellSouth shall accept queries to LIDB associated with AT&T customer records, and shall return responses in accordance with the requirements of this Section 11.

13.4.2.22 BellSouth shall provide mean processing time at the LIDB within 0.50 seconds under normal conditions as defined in the technical reference in Section 11.7.5.

13.4.2.23 BellSouth shall provide processing time at the LIDB within 1 second for 99% of all messages under normal conditions as defined in the technical reference in Section 11.7.5.

13.4.2.24 BellSouth shall provide 99.9 % of all LIDB queries in a round trip within 2 seconds.

13.4.2.25 BellSouth shall provide LIDB performance that complies with the following AT&T Direct Measures of Quality (DMOQs) :

13.4.2.25.1 There shall be at least a 99.9.% reply rate to all query attempts.

13.4.2.25.2 Queries shall time out at LIDB no more than 0.1% of the time.

13.4.2.25.3 Data in LIDB replies shall have at no more than 2% unexpected data values, for all queries to LIDB.

13.4.2.25.4 No more than 0.01% of all LIDB queries shall return a missing customer record.

13.4.2.25.5 There shall be no defects in LIDB Data Screening of responses.

13.4.2.25.6 Group troubles shall occur for no more than 1% of LIDB queries. Group troubles include:

13.4.2.25.6.1 Missing Group - When reply is returned "vacant" but there is no active record for the 6-digit NPA-NXX group.

13.4.2.25.6.2 Vacant Code - When a 6-digit code is active but is not assigned to any customer on that code.

13.4.2.25.6.3 Non-Participating Group and unavailable Network Resource - should be identified in the LARG (LIDB Access Routing Guide) so AT&T does not pay access for queries that will be denied in LIDB.

13.4.3 **Interface Requirements.**

BellSouth shall offer LIDB in accordance with the requirements of this subsection 11.4.3.

13.4.3.1 The interface to LIDB shall be in accordance with the technical reference in Section 11.7.3.

13.4.3.2 The CCS interface to LIDB shall be the standard interface described in Section 11.7.3.

13.4.3.3 The LIDB Data Base interpretation of the ANSI-TCAP messages shall comply with the technical reference in Section 11.7.4. Global Title Translation shall be

maintained in the signaling network in order to support signaling network routing to the LIDB.

Addendum 1

BellSouth's Line Information Database (LIDB) conforms to the functional requirements as specified in the following documents that support our LIDB validation service:

GR-1149-CORE Issue 1, October 1995
GR-1158-CORE Issue 2, October 1995
GR-446-CORE Issue 3, April 1996
GR-954-CORE Issue 1, June 1994, Rev.1, October 1995

BellSouth is not currently able to identify AT&T customer records below the NXX level. We expect to have this capability in 4Q97 via LIDB Service Provider ID.

Addendum 2

Attachment 1 provides a list of the data items, data formats, acceptable values of each data item and meaning of the values that need to be populated in the LIDB to support the required services listed in "LIDB Functionality's Requirements" (Addendum 1).

Group updates (e.g., NPA/NXX, RAO 0/1) will need to be coordinated with BellSouth's Administrative DBAC.

Addendum 3

(see attachment 2)

Addendum 4

(see attachment 2)

Addendum 5

1. Provisioning (add/update/delete) NPA-NXX Group Records is provided by the BellSouth DBAC. BellSouth does not currently permit direct access to LIDB for provisioning NPA-NXX Group Records.

2. BellSouth will provision Line Number Records into LIDB via the DBAC. Currently access to LIDB and its supporting Administrative Systems is not permitted.

3. The BellSouth DBAC will maintain customer data, however, changing the Local Service Provider will result in an interruption of service to the customer.

4. BellSouth agrees that all adds/updates/deletes of AT&T data will be initiated by AT&T.

5. LIDB data provisioning via electronic interface is not currently available. BellSouth agrees that this is both appropriate and desirable and BellSouth agrees to work with AT&T to that end, contingent upon adequate development time and resources on the part of both BellSouth and AT&T.

6. BellSouth agrees that the availability of LIDB provisioning will be the same as that provided for BellSouth's customers.

7. The BellSouth Fraud Center will provide 24 hour/7 day a week coverage for priority updates. The medium for these updates will be negotiated with AT&T.

8. An electronic Interface is not currently available. Interim procedures can be negotiated between AT&T and the BellSouth DBAC while interface development is in progress, should both parties allocate resources to support that development.

9. Auditing on a scheduled basis will be provided. Direct access to LIDB for auditing purposes is not permitted. (this requires additional clarification e.g. it appears that on-demand refers to unscheduled audits, however, there is a Demand Audit program that could be used)

10. This needs clarification e.g. how does AT&T define missing record? What units/data elements will be compared to determine per cent missing records? How would they expect to audit data?

11. BellSouth will provide Backup and Recovery for all of AT&T's data in LIDB.

12. When BellSouth performs a data restoral from backup copy, the DBAS will restore the database to include all data updates made since the date and time that the backup copy was used for restoral.

13. BellSouth will protect AT&T data in LIDB and in the DBAS from access or use that is not authorized by AT&T. BellSouth will treat AT&T data the same as we currently do for all of our LIDB customers.

14. BellSouth will perform LIDB Data Screening for queries to AT&T customer data that is part of an NPA-NXX or NXX-0/1XX owned or shared by AT&T. AT&T will provide the screening information associated with LIDB Data Screening of AT&T data.

15. BellSouth does not currently support the feature capability to load "ghost" numbers associated with Local Number Portability.

16. BellSouth will negotiate the setting of threshold parameters for fraud protection with AT&T. Minimum thresholds settings will include:

(a) Domestic terminating threshold
(b) International terminating threshold

(a) and (b) are dependent upon queries containing both calling and called ANI.

(c) Simultaneous calls threshold is not technically feasible at this time.

(d) geographically distributed call threshold is not technically feasible at this time.

17. The BellSouth Fraud Center will notify AT&T immediately if agreed upon thresholds have been exceeded. The notification process will be negotiated.

18. AT&T will be able to accomplish initial provisioning or subsequent update provisioning of customer lines with total denied capability for Collect and Billed-to-third calls through service order activity.

Addendum 6

1. An electronic report is not currently available. BellSouth will provide to AT&T a query report from the Billing Measurements System.

2. This report will be provided monthly to coincide with the negotiated billing date.

Addendum 7

1. Electronic access to measurements and reports is not currently available. BellSouth will provide a hard copy report including measurements associated with AT&T data.

2. The BellSouth Fraud Center will provide AT&T with reports on fraud detection/protection data. The measurements/requirements for reporting will be negotiated.

3. This needs the same clarification as question 10 in Addendum 5.

4. BellSouth will provide to AT&T any detected Misroute errors for NPA-NXX and NXX-0/1XX numbers that include AT&T customer data.

5. BellSouth will provide to AT&T a Billing Measurements System report on usage, traffic and performance measurements associated with queries to AT&T customer data.

13.5 **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. This Subsection 11.5 supplements the requirements of Subsection 11.2 and 11.7. BellSouth shall provide the Toll Free Number Database in accordance with the following: **AGREE**

Addendum 1 BellSouth's

13.5.1 **Technical Requirements**

13.5.1.1 BellSouth shall make BellSouth Toll Free Number Database available for AT&T to query with a toll-free number and originating information. **AGREE**

13.5.1.2 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. **AGREE**

13.5.1.3 The SCP shall also provide, at AT&T'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:

~~**13.5.1.3.1** Network Management;~~ **DELETE**

~~**13.5.1.3.1** Customer Sample Collection; and~~ **DELETE**

~~**13.5.1.3.1** Service Maintenance~~ **DELETE**

13.5.2 **Interface Requirements**

(a) The signaling interface between the AT&T or other local switch and the Toll-Free Number database shall use the TCAP protocol as specified in the technical reference in Section 11.7.1, together with the signaling

network interface as specified in the technical reference in Sections 11.7.2 and 11.7.6 **AGREE**

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15.6 **Network Interconnection**

15.6.1 **Technical Requirements**

15.6.1.1 When requested by AT&T, BellSouth shall provide interconnections between BellSouth Network Elements provided to AT&T and AT&T's network at transmission rates designated by AT&T, including, but not limited to DS1, DS3, and STS-1.

15.6.1.2 Traffic shall be combined and routed as follows:

15.6.1.2.1 BellSouth shall provide direct trunks for intraLATA traffic (except 911, directory assistance, operator services, and other services that may require special routing) and, at AT&T's request, BellSouth shall allow AT&T to route such traffic either directly to a RLEC tandem or directly to a RLEC end-office. At AT&T's option, intraLATA toll and local traffic shall be combined onto one truck group.

15.6.1.2.2 At AT&T's request, BellSouth shall receive AT&T traffic destined to BellSouth Operator Systems Network Element, on trunks from an AT&T end-office or an AT&T tandem.

15.6.1.2.3 At AT&T's request, BellSouth shall receive AT&T CAMA-ANI (Centralized Automatic Message Accounting - Automatic Number identification) traffic destined to BellSouth B911 PSAPs, or E911 tandems, on trunks from an AT&T end-office.

~~15.6.1.2.4 At AT&T's request, BellSouth shall receive AT&T SS7 traffic destined to any RLEC S911 tandem on trunks from an AT&T end-office.~~

15.6.1.3 When requested by AT&T and a third party carrier, BellSouth shall provide interconnections between AT&T's network, and the other carrier's network through BellSouth network at transmission rates designated by AT&T, including, but not limited to DS1, DS3, and STS-1. BellSouth shall combine and route traffic to and from other local carriers and interLATA carriers through BellSouth network, and at AT&T's request, BellSouth shall record and keep records of such traffic for AT&T billing purposes.

~~15.6.1.4~~ BellSouth will order one-way trunk group(s) from AT&T for completion of BellSouth-originated local traffic. AT&T will order one-way or two-way trunk group(s) from BellSouth for completion of AT&T-originated local traffic. AT&T and BellSouth agree that this arrangement does not preclude future utilization of two-way trunk groups for all local traffic if mutually agreed to by the parties ~~. BellSouth shall provide two-way trunk groups for interconnections. At AT&T's request, BellSouth shall provide~~

~~uni-directional traffic on such trunks, in either direction, effectively operating them as if they were one way trunk groups.~~

~~15.6.1.5~~ As stated in section 15.6.1.4, local traffic will be carried via one way trunk groups between the parties. AT&T traffic that traverses BellSouth's access tandem for interconnection with another service provider will be carried via a two-way trunk group. ~~BellSouth shall provision trunks without any user restrictions (e.g., option for two-way trunking, and no unnecessary trunk group fragmentation by traffic types).~~

15.6.1.6 All trunking provided by BellSouth shall adhere to the applicable performance requirements set forth in the "General Performance Requirements" section of this Agreement.

~~15.6.1.7 At AT&T's request,~~ BellSouth shall provide for overflow routing from a given high usage trunk group or groups onto another final tandem trunk group ~~as AT&T designates.~~

15.6.1.8 BellSouth and AT&T shall agree on the establishment of two-way trunk groups for the exchange of traffic for other IXCs per existing tariffs. These trunk groups can be provided in a "meet point" arrangement.

15.6.1.9 Interconnection shall be made available upon AT&T's request at any technically feasible point of interface. All trunk interconnections shall be provided, including, SS7, MF, DTMF, DialPulse, PRI-ISDN (where available), DID (Direct Inward Dialing), CAMA-ANI, and trunking necessary so that interim LNP can be provided.

15.6.1.10 **Trunk Interface Requirements**

15.6.1.10.1 **B911/E911 Trunks**

~~15.6.1.10.1.1 BellSouth shall allow AT&T to provide direct trunking to each RLEC B911 serving end office, or RLEC E911 tandem, as is appropriate for the applicable serving area. These trunks are to be provided as one way trunks from a given AT&T end office to BellSouth 911 end office or tandem.~~ See 911 Section

~~15.6.1.10.1.2 BellSouth shall provide for overflow 911 traffic to be sent to BellSouth operator services platform or, at AT&T's direction, routed directly to AT&T's operator services platform.~~ See 911 Section

15.6.1.10.2 **S911 Trunks**

~~In areas where S911 tandems are used, BellSouth shall allow AT&T to provide direct trunking to each RLEC S911 tandem. Such SS7 trunks are to be provided as one way trunks from a given AT&T end office to BellSouth S911 tandem.~~

15.6.1.10.3 **Local Switch and Access Tandem Trunks**

15.6.1.10.3.1 BellSouth shall provide trunks groups provisioned exclusively to carry intraLATA traffic, as designated by AT&T.

15.6.1.10.3.2 BellSouth shall provide trunk groups provisioned exclusively to carry interLATA traffic, as designated by AT&T.

15.6.1.10.3.3 BellSouth shall provide SS7 trunks which provide SS7 interconnection. At AT&T's request, MF trunks may be substituted for SS7 trunks where applicable.

~~15.6.1.10.3.4~~ BellSouth will route local GR-317 based calls and interLATA, Feature Group D GR-394 based calls over separate trunk groups as stated in sections 15.6.1.4 and 15.6.1.8. ~~BellSouth shall simultaneous route calls based on dialed digits (in accordance with the standard GR-317-CORE), and Carrier Identification Code (in accordance with the standard GR-394-CORE) over a single SS7 trunk group.~~

15.6.1.10.4 **BellSouth Operator Services Trunk**

15.6.1.10.4.1 For traffic from BellSouth's network to AT&T for Operator Services, BellSouth shall provide one trunk group per NPA served by the local RLEC switch.

15.6.1.10.4.2 BellSouth shall provide such trunks as one-way trunks from BellSouth network to the AT&T network.

15.6.2 Network Interconnection between BellSouth and AT&T shall meet or exceed all of the requirements for Network Interconnection set forth in the following technical references:

15.6.2.1 GR-317-CORE, Switching System generic requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994;

15.6.2.2 GR-394-CORE, Switching System generic requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994;

15.6.2.3 FR-NWT-000271, OSSGR Operator Services Systems generic requirements, Bellcore, 1994 Edition; and

15.6.2.4 FR-NWT-000064, LATA Switching Systems Generic Requirements (LSSGR), Bellcore, 1994 Edition.

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15.7. *Basic 911 and E911*

15.7.1. Definition:

Basic 911 and E911 is an additional requirement that provides a caller access to the applicable emergency service bureau by dialing a 3-digit universal telephone number (911).

15.7.2. Requirements

15.7.2.1. Basic 911 shall collect 911 calls from one or more local exchange switches that serve a geographic area. It shall then send these calls to the correct authority designated to receive such calls.

15.7.2.2. E911 shall provide additional routing flexibility for 911 calls. E911 shall use customer data, contained in the Automatic Location Identification/Data Management System (ALI/DMS), to determine to which Public Safety Answering Point (PSAP) to route the call.

15.7.2.3. If ~~available BellSouth shall offer a third type of 911 service, S911. All requirements for E911 also apply to S911 with the exception of the type of signaling used on the interconnection trunks from the local switch to the S911 tandem.~~ BellSouth is not currently offering S911.

15.7.2.4. Basic 911 and E911 functions provided to AT&T shall be at least at parity with the support and services that BellSouth provides to its customers for such similar functionality.

15.7.2.5. Basic 911 and E911 access from Local Switching shall be provided to AT&T in accordance with the following:

15.7.2.5.1. BellSouth shall conform to all state regulations concerning emergency services;

15.7.2.5.2.BellSouth shall route calls to the appropriate PSAP.

15.7.2.5.3.For B911, BellSouth shall voice only to the appropriate PSAP. ~~provide and validate customer information to the PSAPs~~.

15.7.2.5.4.For E911, BellSouth shall use the process as described in the E911 local Exchange Carrier Guide for FAcility-Based Providers (ALEC Guide) to update and maintain customer information in the ALI/DMS data base. Throug the process described in the ALEC Guide, the RLEC shall provide and validate customer information resident or entered into the ALI/DMS data base. ~~use its service order process to update and maintain customer information in the ALI/DMS data base. Through this process BellSouth shall provide and validate customer information resident or entered into the ALI/DMS data base.~~

15.7.2.5.5.~~BellSouth shall provide for overflow 911 traffic to be routed to BellSouth Operator Services or, at AT&T's discretion, directly to AT&T operator services.~~ If a municipality has converted to E911 service, AT&T will forward 911 calls to the appropriate E911 primary tandem, along with ANI, based upon the current E911 end office to tandem homing arrangement as provided by BellSouth. If the primary tandem trunks are not available, AT&T will alternatively route the call to a designated 7-digit local number residing in the appropriate PSAP. This call will be transported over BellSouth's interoffice network and will not carry the ANI of the calling party.

15.7.2.6.Basic 911 and E911 access from the AT&T local switch shall be provided to AT&T in accordance with the following:

15.7.2.6.1.If required by AT&T, BellSouth shall interconnect direct trunks from the AT&T

network to the B911 PSAP, or the E911 tandems as designated by AT&T. Such trunks may alternatively be provided by AT&T.

15.7.2.6.2.For E911, BellSouth, shall receive data from AT&T as described in the ALEC Guide (mechanically via FTS or NDM). Errors will be mechanically faxed to the ALEC shortly after the errors are detected by the update process. AT&T wo:; trams,ot dao;u i[date fo;es fpr "barch" processing within 24 hours of receipt of a "good" file. ~~provide AT&T the capability to make queries to the ALI database. BellSouth shall provide AT&T the capability to connect a data link to the ALI database. BellSouth shall provide error reports from the ALI database to AT&T immediately after AT&T inputs information into the ALI database. Alternatively, AT&T may utilize BellSouth, to enter customer information into the database on a demand basis, and validate customer information on a demand basis~~.

15.7.2.6.3.BellSouth shall provide AT&T with an initial Master Street and Address Guide (MSAG) (paper or magnetic tape) no later than [date to be provided] and will provide updates of this MSG quarterly.

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15.7.2.7.8.
15.7.2.7.9.

15.7.2.7.10. Trunk Interface Requirements

15.7.2.7.10.1.B911/E911 Trunks

15.7.2.7.10.2. BellSouth shall allow AT&T to provide direct trunking to each RLEC B911 serving end office, or RLEC E911 tandem, as is appropriate for the applicable serving area. These trunks are to be provided as one-way trunks from a given AT&T end office to BellSouth 911 end-office or tandem.

15.7.2.7.10.3. B~~e llSouth shall provide for overflow 911 traffic to be sent to BellSouth operator services platform or, at AT&T's direction, routed directly to AT&T's operator services platform.~~ If a municipality has converted to E911 service, AT&T will forward 911 calls to the appropriate E911 primary tandem, along with ANI, based upon the current E911 end office to tandem homing arrangement as provided by BellSouth. If the primary tandem trunks are not available, AT&T will alternatively route the call to a designated 7-digit local number residing in the appropriate PSAP. This call will be transported over BellSouth's interoffice network and will not carry the ANI of the calling party.

15.7.2.7.11. **S911 Trunks**

In areas where S911 tandems are used, BellSouth shall allow AT&T to provide direct trunking to each RLEC S911 tandem. ~~Such SS7 trunks are to be provided as one-way trunks from a given AT&T end-office to BellSouth S911 tandem.~~ BellSouth is not currently using SS7 for 911.

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SERVICE DESCRIPTION: ANCILLARY FUNCTIONS

1. Introduction

This Attachment sets forth the descriptions and requirements for Ancillary Functions that BellSouth agrees to offer to AT&T under this Agreement.

2. Collocation -

2.1. **Definition** - Collocation means the right of AT&T to obtain dedicated space in BellSouth Local Serving Office (LSO) or other BellSouth locations and to place equipment in such spaces to interconnect with BellSouth network. Collocation also includes BellSouth providing resources necessary for the operation and economical use of collocated equipment. PLEASE CLARIFY: WITH PHYSICAL COLLOCATION, AT&t PROVISIONS AND MAINTAINS THE EQUIPMENT

2.2. Technical Requirements

2.2.1. BellSouth shall provide space, as requested by AT&T, to meet AT&T's needs for placement of equipment, interconnection, or provision of service. AT&T and BellSouth will jointly establish a written business process within ninety (90) days after the execution this Agreement by which such space can be procured.

2.2.2. BellSouth shall provide intraoffice facilities (e.g., DS0, DS1, DS3, OC3, OC12, OC48, and STS-1 terminations) as requested by AT&T to meet AT&T's need for placement of equipment, interconnection, or provision of service.

2.2.3. BellSouth agrees to allow AT&T's employees and designated agents unrestricted access to AT&T dedicated space in manned BellSouth offices twenty-four (24) hours per day each day of the week. BellSouth may place reasonable security restrictions on access by AT&T's employees and designated agents to the AT&T collocated space in unmanned BellSouth offices. Notwithstanding, BellSouth agrees that such space shall be available to AT&T's employees and designated agents twenty-four (24) hours per day each day of the week. ~~In no case should any reasonable security restrictions be more restrictive than those BellSouth places on its own personnel.~~ NOTE: A security escort may be required in some locations for non-BellSouth personnel.

2.2.4. AT&T may collocate the amount and type of equipment it deems necessary in its collocated space (e.g., AT&T utilizing its SONET termination equipment in the collocated space to provide a hub for OC3/OC48 rings). BellSouth shall not restrict the types of equipment or vendors of equipment to be installed.

2.2.5. BellSouth agrees to permit AT&T to interconnect its collocated facilities to those of another ALEC that is collocated in the same BellSouth office.

2.2.6. AT&T may select its own vendors for all required engineering and installation services associated with its collocated equipment (e.g., BellSouth shall not require AT&T to utilize BellSouth's internal engineering or installation work forces for the engineering and installation of AT&T's collocated equipment). Vendors utilized by AT&T must be on BellSouth's list of certified vendors.

2.2.7. BellSouth shall provide basic telephone service at the tariffed rate for basic service with a connection jack as requested by AT&T from BellSouth for the collocated space. Upon AT&T's request, this service shall be available at the AT&T collocated space on the day that the space is turned over to AT&T by BellSouth.

2.2.8. BellSouth shall provide adequate lighting, ventilation, power, heat, air conditioning, and other environmental conditions for AT&T's space and equipment. These environmental conditions shall adhere to Bell Communication Research (Bellcore) Network Equipment-Building System (NEBS) standards TR-EOP-000063 ~~or other standards which AT&T may designate~~.

2.2.9. BellSouth shall provide access to eyewash stations, shower stations, bathrooms, and drinking water within the collocated facility on a twenty-four (24) hours per day, seven (7) days per week basis for AT&T personnel and its designated agents.

2.2.10. ~~BellSouth shall provide all ingress and egress of fiber and power cabling to AT&T collocated spaces in compliance with AT&T's cable diversity standards. The specific level of diversity required for each site or Network Element will be provided in the collocation request.~~ BellSouth will provide diverse fiber entrance and riser cable routes where the infrastructure exists. The availability of diverse routing will be provided, when requested.

in the application response. For power diversity, see item 2.2.23 following.

2.2.11. BellSouth shall ensure protection of AT&T's proprietary customer information. Any collocation arrangement shall include provisions for BellSouth protecting AT&T's proprietary information.

2.2.12. BellSouth shall participate in and adhere to negotiated service guarantees, DMOQs, and ISO reviews.

2.2.13. BellSouth will complete an Environmental, Health & Safety Questionnaire, approved by BellSouth's environmental organization, for each building in which collocated space is provided. AT&T may provide this questionnaire with its collocation request and BellSouth shall return it to AT&T with the collocation application response.

2.2.14. BellSouth shall provide AT&T with written notice five (5) business days prior to those instances where BellSouth or its subcontractors may be performing work in the general area of the collocated space occupied by AT&T, or in the general area of the AC and DC power plants which support AT&T equipment that may directly impact AT&T's equipment arrangement, facilities, or power supply. . BellSouth will inform AT&T by telephone of any emergency related activity that BellSouth or its subcontractors may be performing in the general area of the collocated space occupied by AT&T, or in the general area of the AC and DC power plants which support AT&T equipment that may directly impact AT&T's equipment arrangement, facilities, or power supply.. Notification of such ~~any~~ emergency related activity shall be made immediately prior to the start of the activity so that AT&T can take any action required to monitor or protect its service.

2.2.15. BellSouth shall construct the collocated space in compliance with AT&T's collocation request for cable holes, ground bars, doors, and convenience outlets. Any deviation to AT&T's request will be jointly negotiated with BellSouth.

2.2.16. AT&T and BellSouth will complete an acceptance walk through of all collocated space requested from BellSouth. BellSouth will correct any deviations to AT&T's original or jointly amended request within 5 business days or a negotiated timefram, depending on the magnitude of the deviation, at BellSouth's

expense. Any other deviations will be corrected at AT&T's expense. ~~Exceptions that are noted during this acceptance walk through shall be corrected by BellSouth within five (5) days after the walk through. The correction of these exceptions from the original collocation request shall be at BellSouth's expense.~~

2.2.17. BellSouth shall provide POT bay termination information via a DLR or DLR type document prior to the completions date of AT&T's arrangement. Since the POT bay will be placed concurrently with AT&T's equipment, the engineering will not be completed until the equipment is in place. ~~Telephone Equipment detailed drawings depicting the exact location, type, and cable termination requirements (i.e., connector type, number and type of pairs, and naming convention) for BellSouth Point of Termination Bay(s) to AT&T within five (5) days of acceptance of AT&T's request for collocated space.~~

2.2.18. BellSouth shall provide Telephone Equipment detailed drawings depicting the exact path, with dimensions, for AT&T Outside Plant Fiber ingress and egress into AT&T collocated space within a mutually agreed upon timeframe. ~~within five (5) days of the acceptance of AT&T's request for collocated space~~. Such path and any areas around it in which AT&T must work to perform installation shall be free of friable asbestos, lead paint (unless encapsulated), radon and other health or safety hazards.

2.2.19. BellSouth shall provide detailed power cabling connectivity information including the sizes and number of power feeders to AT&T within a time frame to be negotiated per location space preperation requirements. ~~ten (10) days of the acceptance of AT&T's request for collocated space.~~

2.2.20. BellSouth shall provide positive confirmation to AT&T when construction of AT&T collocated space is 50% completed. This confirmation shall also include confirmation of the scheduled completion and turnover dates.

2.2.21. AT&T or BellSouth shall be compensated ~~by BellSouth~~ for any delays in the negotiated completion and turnover dates caused by one party which create expenditures or delays to the other party ~~AT&T~~. The liquidated damages for this delay will be $5,00 ~~1,000~~ for each day the turnover date is delayed, not to exceed $10,000.

2.2.22. BellSouth shall provide the following information to AT&T within five (5) business days of receipt of a written request from AT&T provided sufficient time to evaluate the request has expired between the receipt of the firm order and the request for information:

2.2.22.1. Work restriction guidelines.

2.2.22.2. BellSouth or Industry technical publication guidelines that impact the design of BellSouth collocated equipment.

2.2.22.3. BellSouth contacts (names and telephone numbers) for the following areas:

Engineering
Physical & Logical Security
Provisioning
Billing
Operations
Site and Building Managers
Environmental and Safety

2.2.22.4. Escalation process for BellSouth representatives (names, telephone numbers and the escalation order) for any disputes or problems that might arise pursuant to AT&T's collocation.

2.2.23. Power as referenced in this document refers to any electrical power source supplied by BellSouth for AT&T equipment. It includes all superstructure, infrastructure, and overhead facilities, including, but not limited to, cable, cable racks and bus bars. BellSouth will supply power to support AT&T equipment at equipment specific DC and AC voltages. ~~At a minimum~~, BellSouth shall supply power and power infrastructure to AT&T at parity with that provided by BellSouth to itself or to any third party. ~~If~~ BellSouth's performance, availability, or restoration shall meet BellCore/NEBS standards. If the performance, availability or restoration fall below BellCore/NEBS standards, BellSouth will bring itself into compliance as soon as technologically feasible. ~~falls below industry standards, BellSouth shall bring itself into compliance with such industry standards as soon as technologically feasible.~~

2.2.23.1. Central office power supplied by BellSouth into the AT&T equipment area, shall be supplied in the form of

power feeders (cables) on cable racking into the designated AT&T equipment area. The power feeders (cables) shall efficiently and economically support the requested quantity and capacity of AT&T equipment. The termination location shall be as requested by AT&T. Any deviations will be jointly agreed upon by BellSouth and AT&T

2.2.23.2. BellSouth shall provide power as requested by AT&T to meet AT&T's need for placement of equipment, interconnection, or provision of service.

2.2.23.3. BellSouth power equipment supporting AT&T's equipment shall:

2.2.23.3.1. Comply with applicable industry standards (e.g., Bellcore, NEBS ~~and IEEE~~) or manufacturer's equipment power requirement specifications for equipment installation, ~~cabling practices~~, and physical equipment layout;

2.2.23.3.2. Have redundant power feeds with physical diversity and battery back-up ~~as required by the equipment manufacturer's specifications for AT&T equipment, or, at minimum~~, at parity with that provided for similar BellSouth equipment;

2.2.23.3.3. ~~Provide, upon AT&T's request, the capability for real time access to performance monitoring and alarm data that impacts (or potentially may impact) AT&T traffic;~~

2.2.23.3.4. Provide central office ground, connected to a ground electrode located within the AT&T collocated space, at a location which meets BellSouth standards and is jointly agreed upon by the parties. ~~level above the top of AT&T equipment plus or minus 2 feet to the left or right of AT&T's final request; and~~

2.2.23.3.5. Provide feeder capacity and quantity to support the ultimate equipment layout for AT&T equipment in accordance with AT&T's collocation request.

2.2.23.3.6. BellSouth shall, within ten (10) days of AT&T's request:

2.2.23.3.6.1. ~~Provide documentation submitted to and received from contractors for any contractor bids for any work being done on behalf of AT&T (this includes, but is not limited to, power supplies, and cage construction);~~ This may be an issue for the attorneys

2.2.23.3.6.2. Provide an installation sequence and access that will allow installation efforts in parallel without jeopardizing personnel safety or existing AT&T services;

2.2.23.3.6.3. ~~Provide power plant alarms that adhere to Bell Communication Research (Bellcore) Network Equipment-Building System (NEBS) standards TR-EOP-000063;~~NOTE: AT&T must provide its own power alarms.

2.2.23.3.6.4. Provide cabling that adheres to Bell Communication Research (Bellcore) Network Equipment-Building System (NEBS) standards TR-EOP-000063; and

2.2.23.3.6.5. Provide Lock Out-Tag Out and other electrical safety procedures and devices in conformance with the most stringent of OSHA or industry guidelines.

2.2.23.3.7. BellSouth will provide AT&T with written notification within ten (10) business days of any scheduled AC or DC power work or related activity in the collocated facility that will or might cause an outage or any type of power disruption to AT&T equipment located in BellSouth facility. BellSouth shall provide AT&T immediate notification by telephone of any emergency power activity that would impact AT&T equipment.

2.3. **Technical References -** BellSouth shall provide collocation in accordance with the following standards: These are still under review...

2.3.1. Institute of Electrical and Electronics Engineers (IEEE) Standard 383, IEEE Standard for Type Test of Class 1 E Electric Cables, Field Splices, and Connections for Nuclear Power Generating Stations.

2.3.2. National Electrical Code (NEC) use latest issue.

2.3.3. TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly and Cable Distribution, Issue 2, (Bellcore, January 1989).

2.3.4. TR-EOP-000063 Network Equipment-Building System (NEBS) Generic Equipment Requirements, Issue 3, March 1988.

2.3.5. TR-EOP-000151, Generic Requirements for 24-, 48-, 130-, and 140- Volt Central Office Power Plant Rectifiers, Issue 1, (Bellcore, May 1985).

2.3.6. TR-EOP-000232, Generic Requirements for Lead-Acid Storage Batteries, Issue 1 (Bellcore, June 1985).

2.3.7. TR-NWT-000154, Generic Requirements for 24-, 48-, 130, and 140- Volt Central Office Power Plant Control and Distribution Equipment, Issue 2, (Bellcore, January 1992).

2.3.8. TR-NWT-000295, Isolated Ground Planes: Definition and Application to Telephone Central Offices, Issue 2, (Bellcore, July 1992).

2.3.9. TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of LSSGR, FR-NWT-000064), Issue 1, (Bellcore, December 1991).

2.3.10. TR-NWT-001275 Central Office Environment Installations/Removal Generic Requirements, Issue 1, January 1993.

2.3.11. Underwriters' Laboratories Standard, UL 94.

3. Rights of Way (ROW), Conduits, Pole Attachments

3.1 Definitions

3.1.1 A Right of Way (ROW) ~~is~~ may include the right to use the land or other property of another party to place poles, conduits, cables, other structures and equipment, or to provide passage to access such structures and equipment. ~~A ROW may run under, on, or above public or private property (including air space above public or private property) and may include the right to use discrete space in buildings, building complexes, or other locations.~~

3.1.2 A conduit is a tube or protected trough that may be used to house communication or electrical cables. Conduit may be underground or above ground (for example, inside buildings) and may contain one or more inner ducts.

3.1.3. A pole attachment is the connection of a facility to a utility pole. Some examples of facilities are mechanical hardware, grounding and transmission cable, and equipment boxes.

3.2 Requirements

3.2.1 BellSouth shall make ROW, conduit and pole attachments available to AT&T through agreements.

~~3.2.2 BellSouth will complete an Environmental, Health and Safety Questionnaire for each Work Location AT&T requests or BellSouth suggests as a site to be covered under such ROW, conduit or pole attachment agreement. BellSouth shall return the questionnaire to AT&T within ten (10) days and shall assist AT&T, at AT&T's cost, with any further inquiries (such as Phase I or Phase II site assessments) AT&T may desire to make into environmental, health or safety conditions at the Work Location.~~

3.2.3 ~~BellSouth shall not prevent or delay any third party assignment of ROW to AT&T.~~

3.2.4 ~~BellSouth shall offer the use of such ROWs it has obtained from a third party to AT&T, to the extent such agreement does not prohibit BellSouth from granting such rights to AT&T.~~

3.2.5 BellSouth shall provide AT&T equal and non-discriminatory access to poles, ducts, conduit, entrance facilities, ROW and any other pathways under its control, and not required by BellSouth in its 5-year forecast. Such equal and non-discriminatory access shall be on terms and conditions equal to that provided by BellSouth to itself or to any other party. Such access shall not include BellSouth's maintenance spares, huts, controlled environmental vaults (CEV's) nor shall it include mandatory conveyance of interests in real estate involving third parties. ~~Further, BellSouth shall not preclude or delay allocation of these facilities to AT&T because of the potential needs of itself or of other parties.~~

3.2.6. Pole attachments will be placed in the space on the pole designated for communications use. This space is generally located below electric supply circuits and excludes the neutral space between the electrical and communication space. BellSouth shall make this space available for AT&T use.

3.2.7. BellSouth shall not attach, or ~~permit~~ give permission to other entities to attach facilities on existing AT&T facilities without AT&T's prior written consent.

3.2.8 ~~BellSouth agrees to produce current detailed engineering and other plant records and drawings of conduit, poles and other ROW, within a reasonable time frame, which in no case shall exceed two (2) business days following AT&T's request for access to such detailed engineering and other plant records and drawings of additional conduit, poles and other ROW in selected areas as specified by AT&T. Such information shall be of equal type and quality as that of BellSouth's own engineering and operations staff. BellSouth shall also allow personnel designated by AT&T to examine such engineering records and drawings at BellSouth Central Offices and BellSouth Engineering Offices on a demand basis~~. BellSouth shall provide AT&T with structure occupancy information regarding conduits, poles, and other rights-of-way requested by AT&T within a reasonable time frame. BellSouth shall allow designated AT&T personnel, or agents acting on behalf of AT&T, to examine engineering records or drawings pertaining to such requests that BellSouth determines would be reasonably required to complete the job.

3.2.9. BellSouth shall provide to AT&T a Single Point of Contact for negotiating all structure lease and ROW agreements.

3.2.10. ~~BellSouth shall provide information regarding the availability and condition of conduit or pole attachments within five (5) business days of AT&T's request if the information then exists in the BellSouth's records (a records based answer) and ten (10) business days of AT&T's request if BellSouth must physically examine the conduit or pole attachments (a field based answer). AT&T shall have the option to be present at the field based survey and BellSouth shall provide AT&T at least twenty-four (24) hours notice prior to the start of such field survey. During and after this period, BellSouth shall allow AT&T personnel to enter manholes and view pole structures to inspect such structures in order to confirm usability or assess the condition of the structure.~~ BST shall provide conduit availability information (only) to AT&T in a 20 day time frame from AT&T's request. Field conditions of the structure would be determined on an expedited, non-discriminatory time frame. AT&T shall have the option to be present at the field based survey and BellSouth shall provide AT&T at least twenty-four (24) hours notice prior to the start of such field survey. During and after this period, with advance notice to BellSouth, with BellSouth representative present and at AT&T's expense, BellSouth shall allow AT&T personnel to enter manholes and view pole structures to inspect such structures in order to confirm usability or assess the condition of structure.

3.2.11 BellSouth shall make conduit and pole space available to AT&T within ~~twenty (20) business days~~ a reasonable time frame after they receive written confirmation from AT&T that the space previously deemed available by BellSouth is wanted for use by AT&T. ~~BellSouth agrees to limit its reservation period of conduits and pole space to one year plus maintenance spares.~~

~~3.2.12 BellSouth shall relocate existing pole attachments where necessary and feasible to provide space for AT&T's pole attachment requirements. The parties shall endeavor to mutually agree upon the time frame for the completion of such work within five (5) days following AT&T's requests of this work. If such agreement does not occur within five (5) days, the matter may be submitted according to the Alternate Dispute Resolution~~

~~Process, described in Attachment 1, by either party.~~ (NOTE: 3.2.12. is already addressed in 3.2.14.)

3.2.13 Upon permit approval by BellSouth, AT&T may, at its option, make pole attachments and use AT&T or AT&T-designated personnel to attach its equipment to BellSouth poles.

3.2.14 BellSouth shall complete any work (also referred to as make ready work) required on pole or conduit structures to enable AT&T to install its facilities on these structures. Any cost for such work shall be borne by AT&T. This work shall be accomplished within a reasonable time frame to be agreed upon by BellSouth and AT&T. BellSouth and AT&T shall endeavor to agree on this time frame within five (5) days after AT&T requests this structure for use. If such agreement does not occur within five (5) days, the matter may be escalated according to the Alternate Dispute Resolution Process, described in Attachment 1, by either party.

3.2.15 BellSouth shall provide AT&T space in manholes for racking and storage of cable ~~and other materials~~ as requested by AT&T, provided that the length of such cable shall not exceed fifty (50) feet.

3.2.16 At AT&T's expense, BellSouth shall remove any retired cable from conduit systems to allow for the efficient use of conduit space within a reasonable period of time. If the parties are unable to agree to such interval, the matter may be submitted according to the Alternate Dispute Resolution Process, described in Attachment 1, by either party.

~~3.2.17 Where BellSouth has spare inner ducts which are not, at that time, being used for providing its services, BellSouth shall offer such ducts for AT&T's use. BellSouth shall not reserve more than one inner duct in any conduit cross section for emergency purposes. Where only two inner ducts remain available (including an emergency spare), BellSouth shall offer AT&T the use of at least one inner duct. BellSouth agrees to limit its reservation period of inner ducts to one year plus maintenance spares.~~

3.2.18 With the exception of its maintenance spare, [w]here a spare inner duct does not exist, BellSouth shall ~~allow AT&T to install an inner duct in a spare BellSouth conduit.~~ , based on spare

duct capacity, place inner duct for AT&T with occupancy costs to be borne by AT&T.

~~3.2.19 Where BellSouth has any ownership or other rights to ROW to buildings or building complexes, or within buildings or building complexes, BellSouth shall offer to AT&T through a lease or purchase agreement:~~

~~3.2.19.1. The right to use any spare metallic and fiber optic cabling within the building or building complex;~~

~~3.2.19.2. The right to use any spare metallic and fiber optic cable ROW from the property boundary into the building or building complex;~~

~~3.2.19.3. The right to use any available space owned or controlled by BellSouth in the building or building complex to install AT&T equipment and facilities;~~

~~3.2.19.4. Ingress and egress to such space; and~~

~~3.2.19.5. The right to use electrical power at parity with BellSouth's rights to such power.~~

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Provisioning and Ordering

1. **Network Deployment**

1.1 BellSouth shall deploy and ***maintain*** ~~keep deployed~~ network facilities in all its serving areas in every LATA from and after the Effective Date of this Agreement as necessary to provide on a timely basis each of the Elements ~~or Combinations~~ thereof, as defined below, that BellSouth is required to offer to AT&T pursuant to this Agreement.

2. Throughout the term of this Agreement, the quality of the technology, equipment, facilities, processes, and techniques (including, without limitation, such new architecture, equipment, facilities, and interfaces as BellSouth may deploy) that BellSouth provides to AT&T under this Agreement shall be in accordance with standards or other measurements that are at least equal to the highest level that BellSouth provides or is required to provide by law~~., it's own internal procedures, or the DMOQs set forth in this Agreement.~~ .

3. **General Provisioning Requirements**

~~3.1~~ AT&T may order ***Unbundled Network*** Elements ***in all states.*** ~~either individually or.~~ ***(In Florida only, Unbundled Elelments may be ordered individually*** or in any combination.) ~~Combinations ("Combinations") consist of multiple Elements that are logically related to enable AT&T to provide service in a geographic area or to a specific customer and that are placed on the same order by AT&T.~~

3.2 ~~Combinations shall be identified and described by AT&T so that they can be ordered and provisioned together and shall not require the enumeration of each Element within that Combination on each provisioning order.~~

~~3.3~~ ~~Multiple individual Elements may be ordered by AT&T from BellSouth on a single order without the need to have AT&T send an order for each Element.~~

~~3.4~~ BellSouth shall provide provisioning services to AT&T equal to the provisioning services BellSouth provides itself. ~~Monday through Saturday from 8:00 a.m. to 8:00 p.m., within each respective continental U.S. time zone.~~ AT&T may request BellSouth to provide Sunday, holiday, and/or off-hour provisioning services. If AT&T requests that BellSouth perform provisioning services at times or on days other than as required in the preceding sentence, BellSouth ***and AT&T shall mutually negotiate such provisioning services to interval and cost.*** ~~shall quote, within one (1) day of the request, a cost-~~

~~based rate for such services. If AT&T accepts BellSouth quote, BellSouth shall perform such provisioning services.~~

3.5 BellSouth shall provide a ~~Single~~ Point of Contact, ***dependent upon the service request (e.g. ASR via ICSC, LSR via LCSC)*** ~~(SPOC)~~ for all ordering and provisioning contacts and order flow involved in the purchase and provisioning of ~~the~~ BellSouth's unbundled Elements. ~~or Combinations. The SPOC shall provide an electronic interface twenty-four (24) hours a day, seven (7) days a week for all ordering and provisioning order flows. The SPOC~~ ***BellSouth*** shall also provide to AT&T a toll-free nationwide telephone number ~~(operational from 8:00 a.m. to 8 p.m., Monday through Saturday, within each respective continental U.S. time zone)~~ which will be answered by capable staff trained to answer questions and resolve problems in connection with the provisioning of Elements. ~~or Combinations~~.

3.6 BellSouth ***shall use their existing*** ~~and AT&T shall jointly establish interface contingency and~~ disaster recovery plans for the ordering and provisioning of BellSouth's unbundled Elements. ~~or Combinations~~.

3.7 BellSouth will recognize AT&T as the customer of record of all Elements ~~or Combinations~~ ordered by AT&T and will send all notices, invoices and pertinent information directly to AT&T.

4. **Specific Provisioning Process Requirements**

4.1 When AT&T orders the Local Switching Elements ~~(either individually or as part of a Combination),~~ AT&T may also obtain all technically available features and functions from the specified BellSouth switch (e.g., BRCS, CLASS, and LASS features), ***with the exception of grandfathered services.***

4.2 When requested by AT&T, BellSouth will schedule ***AM or PM*** installation appointments (BellSouth employee dispatch) with the BellSouth representative on the line with AT&T's representative~~. or provide AT&T access to BellSouth's scheduling system. BellSouth will provide appropriate training for all its employees who may interface with AT&T's Customers based on AT&T's instructions and materials.~~

4.3 Upon request from AT&T, BellSouth will provide an intercept referral message in Tandem Switching Element that includes any new AT&T telephone number, ~~for six (6) months, or until the next publication of the BellSouth's directory.~~ This message shall be approved by AT&T and shall be ~~similar~~ in ***the same*** format ~~to the intercept referral messages~~ currently provided by BellSouth for its own end-users.

4.4 BellSouth will provide AT&T with a Firm Order Confirmation (FOC) for each ***completed/correct service request*** ~~order~~, within twenty-four (24) hours of BellSouth's receipt of that ***request*** ~~order., or within a different time interval as specified by AT&T.~~ ***The Confirmation will provide AT&T with the BellSouth order number, the negotiated service due date, telephone/circuit numbers (as applicable to the service), and the BellSouth service representative name and telephone number. Additional specific data may also be provided.*** ~~FOC must contain an enumeration of AT&T's ordered Elements or Combinations (and the specific BellSouth naming convention applied to that Element or Combination), features, options, physical interconnection, quantity, and the BellSouth commitment date for order completion (Committed Due Date).~~

4.5 Upon work completion, BellSouth will provide ***notification to*** AT&T***, via a telephone call by the BellSouth technician.*** ~~electronically (unless otherwise notified by AT&T) with an Order Completion per order that states when that order was completed. BellSouth shall respond with specific order detail as enumerated on the FOC and shall state any additional charges (e.g., Time and Cost charges) up to a previously agreed upon limit associated with that order.~~

4.6 ***DELETE-DISAGREE*** ~~BellSouth will perform pre-testing as per industry standards and will provide in writing, or electronically as directed by AT&T, all test and turn-up results in support of the Elements or Combinations ordered by AT&T. BellSouth shall provide these test results to AT&T at the same time BellSouth provides its order-specific Order Completion.~~

4.7 As soon as identified, BellSouth shall provide notification ~~electronically (unless otherwise notified by AT&T)~~ of Rejections/Errors contained in an ~~any of the data element(s) fields contained on any~~ AT&T ***service request*** ~~order~~.

4.8 As soon as identified, BellSouth shall provide notification ~~electronically (unless otherwise notified by AT&T)~~ of any instances when BellSouth's Committed Due Dates are in jeopardy of not being met by BellSouth on any AT&T service request. ~~element or feature contained in any order for Network Elements or Combinations~~. BellSouth shall concurrently indicate its new committed due date.

4.9 ***??BELLSOUTH REQUIRES CLARIFICATION FROM AT&T (Ed Houppert).*** Within twenty-four (24) hours of AT&T's request, BellSouth will perform cooperative testing with AT&T (including trouble shooting to isolate any problems) to test Elements or Combinations purchased by AT&T in order to identify any performance problems.

4.10 BellSouth will provide AT&T and its customers with Directory Listings as specified in the General Terms and Conditions of this Agreement.

~~4.11~~ BellSouth will utilize its existing ~~provide a~~ disaster recovery plan associated with the recovery of any systems and or functions connected with the ordering and provisioning processes. ~~acceptable to AT&T.~~

4.12 *Where available,* AT&T may choose between SCE/SMS AIN Access and SS7 AIN Access as designated on AT&T's provisioning order. Where available, AT&T may order BellSouth's DesignEDGE[sm] and PortEDGE[sm] services to gain access to BellSouth's Service Creation Environment (SCE) via BellSouth's Service Management System (SMS). AT&T may then create AIN services and download them onto a BellSouth SCP.

NOTE: Since AT&T and BST cannot reach agreement on terms for open access to BellSouth's AIN, Open AIN provisioning procedures are not appropriate.

~~4.13~~

4.13 ~~BellSouth shall inform AT&T if a customer action results in reassignment of an AIN trigger from an AT&T AIN application to some other service provider's application. Such notification shall be completed within twenty-four (24) hours of the action via electronic interface as described in the Account Maintenance requirements specified in the Customer Billing section of this Agreement~~**Once AT&T has been established as a subscriber to DesignEDGE and PortEDGE services, BellSouth will provision AIN triggers as requested by AT&T. BellSouth may require proof of authorization to alter the provisioning associated with an end user's DN.**

4.14 ~~BellSouth shall maintain a database containing AIN trigger configuration and other data necessary to allow AIN service and feature interactions to be determined by AT&T. BellSouth shall provide AT&T the capability to make queries on a demand basis to such database.~~ **Certain combinations of triggers cannot be active simultaneously on a directory number. Information regarding such conflicts will be provided to AT&T at the time DesignEDGE is purchased.**

4.15 ~~BellSouth shall provision AIN triggers as requested by AT&T on its provisioning order.~~ **BellSouth will not remove a trigger at the request of an end user. If an end user requests removal of a trigger that has been provisioned at the request of AT&T, the end user will be referred to AT&T**

5. **General Ordering Requirements**

~~5.1~~ Upon AT&T's request through a Suspend/Restore Order, BellSouth shall suspend or restore the functionality of any ***Unbundled*** Network Element within the National Guideline parameters. ~~or Combination. BellSouth shall implement any restoration priority on a per Network Element or Combination~~

~~basis in a manner that conforms with AT&T requested priorities and any applicable regulatory policy or procedures.~~

5.2 BellSouth shall provide to AT&T the functionality of blocking calls (e.g., 800, 900, 976 international calls) by line or ***non-access*** trunk on an individual switching element basis.

5.3 When ordering a Local Switching Element, AT&T may order from BellSouth separate interLATA and intraLATA capabilities (i.e., 2 PICs where available) on a line or ***non-access*** trunk basis.

5.4 Unless otherwise directed by AT&T, when AT&T orders an Element ~~or Combination,~~ all pre-assigned trunk or telephone numbers currently associated with that Network Element ~~or Combination~~ shall be retained without loss of feature capability and without loss of associated Ancillary Functions including, but not limited to, Directory Assistance and 911/E911 capability***, where facilities exist***.

5.5 When AT&T orders Elements ~~or Combinations~~ that are currently interconnected and functional, such Elements ~~and Combinations~~ will remain interconnected and functional without any disconnection or disruption of functionality. This shall be known as Contiguous Network Interconnection of network elements. ~~There shall be no charge for such interconnection.~~

6. **Ordering Interfaces**

6.1 BellSouth ***and*** ~~shall provide to~~ AT&T shall ~~an~~ ***negotiate mutually agreed upon requirements for*** an Electronic Interface (EI) for ***the Unbundled Elements service requests and the processing of those requests***. ~~transferring and receiving orders, FOCs, Service Completions, and other provisioning data and materials (e.g., access to Street Address Guide (SAG) and Telephone Number Assignment Data Base). This EI shall be administered through a gateway that will serve as a single point of contact for the transmission of such data from AT&T to BellSouth, and from BellSouth o AT&T. The requirements and implementation of such a data transfer system are subject to future agreement by AT&T and BellSouth . Until such time as a gateway is established, the EI to be used shall be the same EI as is currently utilized by BellSouth , as may be modified during the interim period.~~

~~6.2~~ ***DELETE*** - ~~When ordering a Local Switching Element, AT&T's representatives will have real-time access to BellSouth customer information systems which will allow the AT&T representatives to perform the following tasks:~~

~~6.2.1~~ ***DELETE*** - ~~Obtain customer profile, including customer name, billing and residence address, billed telephone numbers, and identification of features and services subscribed to by customer;~~

~~6.2.2~~ ***DELETE*** - ~~Obtain information on all features and services available, in end-office where customer is provisioned;~~

6.2.3 ***DELETE*** - ~~Enter the order for the desired features and services;~~

~~6.2.4~~ ***DELETE*** - ~~Provide an assigned telephone number (if the customer does not have one assigned). Reservation and aging of these numbers remain BellSouth's responsibility;~~

6.2.5 ***DELETE*** - ~~Establish the appropriate directory listing;~~

~~6.2.6~~ ***DELETE*** - ~~Determine if a service call is needed to install the line or service;~~

6.2.7 ***DELETE*** - ~~Provide service availability dates to the customer;~~

~~6.2.8~~ ***DELETE*** - ~~Provide information regarding dispatch/installation schedule, if applicable;~~

6.2.9 ***DELETE*** - ~~Order intraLATA toll and access to long distance service in a single, unified order;~~

6.2.10 ***DELETE*** - ~~Suspension, termination, or restoral of service.~~

7. **BellSouth Provision of Information**

7.1 BellSouth shall provide to AT&T ~~upon request~~ ***with the initial service request***:

7.1.1 A list of all services and features technically available from each switch that BellSouth may use to provide a Local Switching Element, by switch CLLI;

~~7.1.2~~ ***DELETE - DISAGREE*** - ~~A listing by street address detail, of the service coverage area of each switch CLLI;~~

~~7.1.3~~ All engineering design and layout information for each ***Unbundled Contiguous Loop ordered via the access service request*** ~~network Element and Combination;~~

7.1.4 A listing of all technically available functionalities for each Element ~~or Combination;~~ and

7.1.5 Advanced information on the details and requirement for planning and implementation of NPA splits.

~~7.2~~ ~~Promptly after the~~ ***With the*** Effective Date of this Agreement, ***BellSouth shall have available, at AT&T's option via a separate contract arrangement, access to RSAG information.*** ~~provide AT&T an initial electronic copy and a hard copy of the SAG or its equivalent. Updates shall be provided to AT&T electronically as changes are made to the SAG.~~

~~8. Order Format and Data Elements for Individual Network Elements~~

~~8.1~~ ***DELETE-DISAGREE, BELLSOUTH DOES NOT BELIEVE IT IS APPROPRIATE TO INCLUDE SECTIONS 8 AND 9 WITHIN THE INTERCONNECTION CONTRACT. THESE SECTIONS SHOULD BE NEGOTIATED AND CONTAINED WITHIN THE INTERFACE AGREEMENT. ADDITIONALLY, THE SERVICE REQUEST FORMS TO BE USED FOR ORDERING UNBUNDLED ELEMENTS ARE PROVIDED IN THE BELLSOUTH OLEC HANDBOOKS.*** ~~In ordering Elements or Combinations, AT&T will utilize standard industry order formats and data elements developed by the Order and Billing Forum (OBF). Industry standards do not currently exist for the ordering of Elements or Combinations. Therefore, until such standards industry order formats and data elements are developed by the OBF, AT&T will utilize the format described in this Section to address the specific data requirements necessary for the ordering of Network Elements or Combinations.~~

~~8.2 AT&T and BellSouth shall agree upon the appropriate ordering and provisioning codes to be used for each Element or Combination. These codes shall be known as data elements.~~

~~8.3 Each order for an Element or a Combination will contain the following order-level sections, as currently defined by the OBF: Administration, Bill, Contact, and End User Information.~~

~~8.4 In addition to the above OBF sections, AT&T will provide provisioning data in the format defined below when ordering Elements or Combinations. First, AT&T will state whether it is ordering an Element (one or more of the Elements described in this Agreement) or a Combination (multiple Elements on the same order). AT&T will then provide data in the following provisioning categories, such data to be provided on the OBF ordering form as completed data fields:~~

~~8.4.1 Activity. The activity field will include *one* of the following entries:~~

~~(A) - Add. This will apply when a new Element or Combination is being ordered.~~

~~(C) - Change. This will apply when an existing Element or Combination is being altered in some way.~~

~~(D) - Disconnect. This will apply when an existing Element or Combination is being completely disconnected.~~

~~(R) - Record Only. This will apply when there is no physical or logical work required and all that is necessary is the update of BellSouth's internal records. This does not apply to the functional databases listed under the SCPs/Databases Element. Any functional change to these databases will be handled under an Add, Change, or Disconnect order.~~

~~8.4.2 Order Activity Description. For each activity, a further description of the Order Activity may be required. The following Order Activity Descriptions may be applied to any Add, Change, Disconnect or Record Only order. In some cases, more than one of these may apply to a particular order.~~

~~Modify: This will apply when the order has been modified in some way.~~

~~Cancel: This will apply when the order has been canceled, and no provisioning activity related to that order is to be completed.~~

~~Expedite: This will apply when the provisioning activity is required to be completed in less time than stipulated by the minimum element intervals as defined in Section 9.1. The Desired Due Date category will reflect the date the activity needs to be completed.~~

~~Sequence: This will apply when components of the order must be worked in the proper sequence, or when components of the order are sequentially related to components of another order.~~

~~Coordinated: This will apply when components of the order must be worked simultaneously, or when components of this order must be coordinated with components of another order.~~

~~Suspend: This will apply when the function of the Network Element or Combination is to be suspended until further notice. The exact nature of the suspension will be reflected within the body~~

~~of the order. This field will be used with a C (Change) Order Activity.~~

Restore: This will apply when previously suspended functionality is to be restored. This field will be used with a C (Change) Order Activity.

8.4.3 Purpose of Order. The Purpose of Order will contain a brief statement describing the overall purpose of the order (e.g., Add new ISDN loop or build dedicated trunking/transport from local end office to AT&T OSPS 5E).

8.4.4 Type of Element or Combination. The Type of Element or Combination category consists of two parts. First, an E (Element) or C (Combination) followed by a dash and then the two-character code for the Element(s) (e.g., E-LS (Local Switching) and C-DT/LS (Combination of Dedicated Transport and Local Switching)). Below are the Elements and their two-character codes:

LD – Loop Distribution
LC – Loop Concentrator/Multiplexer
LF – Loop Feeder
LS – Local Switching
OS – Operator Systems
CT – Common Transport
DT – Dedicated Transport
SS – Signal Transfer Points
SL – Signaling Link Transport
DB – SCPs/Databases (LNP, LIDB, Toll Free, ALI/DMS)
TS – Tandem Switching

8.4.5 Interconnection Locations. This category describes the beginning and end-point of the Element or Combination. For example, the point of termination (POT) may be listed as a switch CLLI, a frame tie down location, a channel on a T3, or a customer address. Various types of POT are described in the tables shown in Appendix A.

8.4.6 Interconnection Specific. The Interconnection Specific category describes the nature of the interconnection and the appropriate relationships within the Network Element/Combination. The appropriate type of Interconnection Specifics is described for each Network Element/Combination in the tables shown in Appendix A. The following definitions apply:

Contiguous: All cross-connects, muxing, cross-office ties, etc. will be included between the two Interconnection points listed under Interconnection Locations so that the Element or Combination is delivered fully functional.

~~Routing: Indicates that routing is part of the necessary interconnection.~~

~~Functionally Inclusive: All functionality as it is defined within the Unbundled Network Element Attachment of this Agreement as it relates to interconnection when the Element or Combination is provisioned by Bellsouth.~~

~~8.4.7 Element Identification. This field includes the precise identifier of the Network Element. For example, the identifier can be a circuit ID, facility name, switch CLLI, or Working Telephone Number. The appropriate type of Element ID is described for each Network Element/Combination within the tables shown in Appendix A.~~

~~8.4.8 Object. The Object identifies the basic unit of the Network Element or Combination. Examples include Network Trunk (for the Element LS) and DS1 (for the Element DT). The Objects related specifically to each Element or Combination are provided in the tables shown in Appendix A.~~

~~8.4.9 Quantity/Capacity. This field lists the Quantity/Capacity of Objects. For example, for the Loop Combination (see description in Section 8.3 below), the number "1" in this field would indicate that one loop combination was being ordered. On the other hand, for the Object "DT" the number "4" would indicate that a capacity of 4 DS1 are being ordered.~~

~~8.4.10 Options. For each Object, there may be numerous Options. This category identifies the specific Option of the selected Object. In most cases, only *one* Option applies for each Object. One example is LC (Loop Concentrator/Multiplexer). This exception is noted within the tables shown in Appendix A. The specific Options for each Object are contained within the Provisioning Network Element/Combination tables. Examples include 2-wire (for the Object Analog Loop), DID (for the Object Customer Trunk), and ESF (for the Object DS1).~~

~~8.4.11 Characteristics. For each Option, there may be multiple Characteristics that require additional details. This category identifies those Characteristics, along with the necessary details. The appropriate type of Characteristics are described for each Element or Combination within the tables shown in Appendix A. Examples include ISDN conditioned (for the Option 2-wire) and TSG (for the option DID).~~

~~8.4.12 Features. This field identifies the Features specific to the Network Element/Combination. For example, when the Network Element is Local Switching, the CLASS/LASS features would be included in this category.~~

~~AT&T will direct BellSouth which of these features to activate for a specific customer.~~

~~8.4.13 Desired Due Date. This field identifies the date the entire order is expected to be completed.~~

~~8.4.14 Due Date Detail. This field identifies interim dates (for Combinations where the Element Due Dates differ), and the relationship between the provisioning activities internal to the order, and those provisioning activities outside the order that may be related. Coordination and sequencing requirements will be reflected in this field.~~

~~8.4.15 Remarks. This field will include any remarks that are related to the provisioning order that are not reflected elsewhere.~~

~~8.5 When ordering an Element (individually or as part of a Combination), the interconnection and functionality internal to that Element will not be specifically ordered by AT&T and will automatically be provided by BellSouth. For example, when ordering the element DT (Dedicated Transport), the use of Digital Cross Connects that might be necessary to provide the connectivity between two interconnection locations will not be described on AT&T's order.~~

~~8.6 Examples of the provisioning format to be used by AT&T when ordering certain provisioning activities for individual Network Elements are shown in Appendix B.~~

~~9. Order Format and Data Elements for Combinations~~

~~9.1 AT&T may purchase Network Elements either individually or in combinations. Combinations of Contiguous Network Elements can be ordered (i) on a case-by-case basis for those elements that are customer-specific; or (ii) on a common-use basis for those elements that are shared by multiple customers.~~

~~9.2 When ordering a Combination, AT&T will have the option of ordering all capabilities and functionalities of each of the underlying individual Elements.~~

~~9.3 When ordering either customer-specific or common-usage Combinations, AT&T may specify the functionality of that Combination without the need to specify the configuration of the individual Elements needed to perform that functionality. For example, AT&T has identified a Combination, designated as the *Loop Combination*, with the functionality described in Appendix A. This Combination shall be identified as C-LOOP, with its functionality as described in Appendix C, LOOP Combination. This Combination can be comprised of all or some of the following Elements, depending on the individual customer: LD (Loop Distribution), LC (Loop Concentrator/Multiplexer) and LF (Loop Feeder). When ordering this Combination, AT&T will order the C-Loop functionality and~~

~~BellSouth will provision these Elements needed, as appropriate, on a case-by-case basis. AT&T will order the *Loop Combination* as illustrated in Appendix C, example 1.~~

~~9.4~~ ~~AT&T may also choose to purchase from BellSouth a *LOOP and Switching Combination* which would be comprised of the LOOP Combination described above and Network Element LS (Local Switching). This Combination would allow AT&T to purchase switching features (such as Class features) and functionalities on a per-customer basis. AT&T will order the *LOOP and Switching Combination* as illustrated in Appendix C, example 2.~~

~~9.5~~ ~~Prior to providing Local Service in a specific geographic area or when AT&T requires a change of network configuration, AT&T may place an order with BellSouth requiring BellSouth to prepare certain common usage elements and functionalities for AT&T. AT&T has identified one possible set of these elements and functionalities as the *Local Switching Conditioning Combination*. This Combination may be comprised of all or some of the following individual Network Elements: LS (Local Switching), CT (Common Transport), SS (Signal Transfer Points), DB (SCPs/Databases) and TS (Tandem Switching). In order to provide these elements and their respective functionalities to AT&T, BellSouth shall prepare its network for AT&T's use of these common elements by readying each necessary switch with an AT&T Line Class Code. AT&T will order the *Local Switching Conditioning Combination* as illustrated in Appendix C, example 3.~~

~~9.6~~ ~~AT&T may also use unbundled network elements to originate and terminate toll traffic. AT&T has identified the following two Combinations which will allow such functionality: *Toll Traffic Combination 1* which is comprised of the Network Elements DT (Dedicated Transport) and LS (Local Switching); and *Toll Traffic Combination 2* which is comprised of DT (Dedicated Transport), TS (Tandem Switching), CT (Common Transport), and LS (Local Switching). AT&T will order the *Toll Traffic Combination 1*, as illustrated in Appendix C, example 4.~~

~~9.7~~ ~~There are many additional Combinations which AT&T may choose to order from BellSouth . AT&T includes examples of some such additional Combinations and their ordering formats in Appendix C, examples 5 and 6.~~

10. Performance Requirements

10.1 ***BellSouth and*** AT&T ***agree to negotiate Performance Requirements within ???? of a signed interconnection agreement. These requirements will be mutually acceptable to both parties.*** ~~and to m ll specify on each order its Desired Due Date (DDD) for completion of that particular order. Standard intervals do not apply to orders under this Agreement. BellSouth will not complete the order prior to DDD or~~

~~later than DDD unless authorized by AT&T. If the DDD is less than the following element intervals, the order will be considered an expedited order~~

DELETE - DISAGREE, ALL ATTACHMENTS AND APPENDICES SHOULD BE DELETED AS INDICATED ON TABLE OF CONTENTS. BELLSOUTH DOES NOT AGREE WITH AT&T'S PROPOSED FORMS. ALL FORMS AND ATTACHMENTS FROM THIS POINT FORWARD SHOULD BE DELETED.

INTERVALS FOR ORDER COMPLETION	
Network Element	Number of Days
LD	2
LC	2
LF	2
LS	2
OS	2
DT DS0, DS-1, T 1.5 STS-1, DS3/T3 OC-3, +	 3 5 15
SS	3
SL	2
DB	2
TS	2
C-Loop	2
C-Local Switch Conditioning Combination	20

~~10.2~~ ~~Within two (2) business hours after a request from AT&T for an expedited order, BellSouth shall notify AT&T of BellSouth's confirmation to complete, or not complete, the order within the expedited interval. A Business Hour is any hour occurring on a business day between 8 a.m. and 8 p.m. within each respective continental U.S. time zone.~~

~~10.3~~ ~~Once an order has been issued by AT&T and AT&T subsequently requires a new DDD that is less than the minimum interval defined, AT&T will issue an expedited modify order. BellSouth will notify AT&T within two (2) Business Hours of its confirmation to complete, or not complete, the order requesting the new DDD.~~

~~10.4~~ ~~AT&T and BellSouth will agree to escalation procedures and contacts. BellSouth shall notify AT&T of any modifications to these contacts within one (1) week of such modifications.~~

~~10.5~~ ~~BellSouth shall satisfy the following Direct Measures of Quality: (i) at least 90% of all orders must be completed by DDD; (ii) at least 98% of all orders must be completed by Committed Due Date; and (iii) at least 99% of all orders will be completed without error.~~

Unbundled Network Element Provisioning Categories

DELETE - DISAGREE, ALL ATTACHMENTS AND APPENDICES SHOULD BE DELETED AS INDICATED ON TABLE OF CONTENTS. BELLSOUTH DOES NOT AGREE WITH AT&T'S PROPOSED FORMS. ALL FORMS AND ATTACHMENTS FROM THIS POINT FORWARD SHOULD BE DELETED

~~1) Loop Distribution~~

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	LD	Cust. address CLLI/POT	CONTIGUOUS	Loop/circuit ID	Copper	2-wire 4-wire	Special Conditioning
					Fiber	Single mode Multi mode	Connector type
					Coax		
					Stand Alone NI	2-wire 4-wire 4-wire/smart jack	

Unbundled Network Element Provisioning Categories

2) Loop Concentrator/Multiplexer

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Options (combination of)*	*Characteristics*
A,C,D,R	LC	Location CLLI	FUNCTIONALLY INCLUSIVE	Equip. CLLI	Integrated DLC	A/D conversion Multiplexing Concentration	Interface rate Multiplex from-to interface protocol (TR08, TR303) Framing format Concentration ratio Circuit pack (card) type
					Universal DLC	A/D conversion Multiplexing Concentration	Interface rate Multiplex from-to interface protocol (TR08, TR303) Framing format Concentration ratio Circuit pack (card) type
					Channel Bank	A/D conversion Multiplexing	Multiplex from-to Framing format
					Multiplexer	Multiplexing	Multiplex from-to Framing format

3) Loop Feeder

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	LF	Location CLLI CLLI/POT	CONTIGUOUS	Facility name Circuit ID	Copper	DS0 DS1	ISDN Conditioned DS1 Conditioned
					Fiber	Single mode Multi mode	Connector type

Unbundled Network Element Provisioning Categories

4) Local Switching

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	LS	WTN Location CLLI Switch CLLI	FUNCTIONALLY INCLUSIVE ROUTING	WTN TSG Designation Switch CLLI	Line (may be Concentrated if so designated)	POTS ISDN Centrex	Signaling Line Class Code WTN E911 Concentration Ratio Interface rate (DS1, DS3) Interface protocol (TR08, TR303)
					Non-concentrated Line	POTS ISDN Centrex	Signaling Line Class Code WTN E911 Interface rate (DS0, DS1, DS3)
					Network Trunk	SS7 MF	One-way Two-way Routing Screening TSG
					Customer Trunk	DID DOD Two-way	Signaling Routing Screening TSG
					Routing	Operator Services Directory Assistance Messaging	
					LNP	RCF	Ported number(s)

Unbundled Network Element Provisioning Categories

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
						DNRI RIPH LERG	Shadow number(s) Number of call paths
					AIN trigger	Triggers (e.g. Off-hook immediate, off-hook delay)	Subscribed Office-based Dialing plan Translation type Digit sequence
					Data Switch UNI Port	Switch type (e.g. ATM, Frame Relay)	Policing Congestion control
					Data Switch NNI Port	Switch type (e.g. ATM, Frame Relay)	Policing Congestion control

5) Operator Systems

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	OS	Serving area (NPA-NXX, LATA, State, Rate center)	FUNCTIONALLY INCLUSIVE		Operator Services		O+ O- Busy Line Verification (BLV) Emergency Line Interrupt (ELI) 911 overflow
					Directory Assistance	Service Area Customer	411 555-1212

Unbundled Network Element Provisioning Categories

6) Common Transport

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	CT	Serving area (NPA-NXX, LATA, State, Rate center)	CONTIGUOUS FUNCTIONALLY INCLUSIVE				

7) Dedicated Transport

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	DT	Location CLLI CLLI/POT	CONTIGUOUS	Facility name CLFI	DS0	No DCS D4 Channel Bank DCS 1/0	Routing Avoidance A/D Conversion Multiplexing/ De-multiplexing Format conversion Signal conversion Performance monitoring SONET to Asynch. gateway Broadcasting Mapping
					DS1	No DCS DSX DCS 1/0	Signal format (e.g. B8ZS, AMI) Framing format (e.g. ESF, D4, unframed) Multiplexing/ Demultiplexing

Unbundled Network Element Provisioning Categories

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
						DCS 3/1	Format conversion Signal conversion Performance monitoring SONET to Asynch. gateway Broadcasting Mapping
					DS3	No DCS	Secure Interface Framing format (e.g. C-bit parity, M13, unframed)
						DSX DCS 3/1 DCS 3/3	Multiplexing/ Demultiplexing Format conversion Signal conversion Performance monitoring SONET to Asynch. gateway Broadcasting Mapping
					VT1.5		
					STSn	LGX	

Unbundled Network Element Provisioning Categories

8) Signal Transfer Points

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	SS	Serving area (NPA-NXX, LATA, State, Rate center) CLLI/POT	CONTIGUOUS FUNCTIONALLY INCLUSIVE ROUTING	STP CLLI (pair)	A-link interface (pair)	DS0 DS1	
					D-link interface (quad)	DS0 DS1	

9) Signaling Link Transport

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	SL	Location CLLI CLLI/POT	CONTIGUOUS	Facility name Circuit ID	Pair	DS0 DS1	
					Quad	DS0 DS1	

Unbundled Network Element Provisioning Categories

10) SCPs/Databases

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	DB	Serving area (NPA-NXX, LATA, State, Rate center, region) Customer	FUNCTIONALLY INCLUSIVE		LNP	Serving Area	NPA-NXX LATA Region
				WTN	LIDB	Serving Area Customer	NPA-NXX VNS Calling Card
					Toll Free (800)	Serving Area	NPA-NXX
				WTN	E911 (ALI/DMS)	Serving Area Customer	NPA-NXX Rate Center Region Customer Address, etc.
				WTN	AIN	Customer	WTN Dialing sequence
					SCE/SMS/SCP Access	AIN Triggers (e.g. Off-hook)	Subscribed Office-based

Unbundled Network Element Provisioning Categories

11) Tandem Switching

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (one of)*	*Option (one of)*	*Characteristics*
A,C,D,R	TS	Serving area (NPA-NXX, LATA, State, Rate center) Location CLLI	FUNCTIONALLY INCLUSIVE ROUTING	Switch CLLI	Network Trunk	SS7 MF	One-way Two-way Routing Screening TSG
					Routing	Operator Services Directory Assistance Messaging	
					LNP	RIPH	Overflow Primary

Unbundled Network Element Provisioning Format

Example 1

Purpose of Order: Modify Dedicated transport order, Customer PBX to AT&T 4ESS

Order Activity:	A	***Order Activity Description:***	**Modify** __X__ **Cancel** _____ **Expedite** _____ **Suspend** _____ **Restore** _____ **Sequence** _____ **Coordinated** _____ **Associated Order(s):**
		Type Element/Comb:	E - DT
		Interconnection Location:	**From:** [Customer prem CLLI] **To:** [AT&T CFA T3 slot]
		Interconnection Specific:	CONTIGUOUS
Desired Due Date:	11/03/96	***Due Date Details:***	
		Remarks:	Order modified to reflect different CFA assignment

Element/Combination: DT - Dedicated Transport

Element ID:	[LEC will return facility name, CLFI]
Object:	DS1
Qty/Capacity:	1
Option:	Framing: D4
Characteristics:	Signal: B8ZS
Features:	

Unbundled Network Element Provisioning Format

Example 2

Purpose of Order: Route PBX customer's traffic from end-office to PBX trunk group to end-office to 4ESS trunk group in support of LNP

Order Activity:	C	***Order Activity Description:***	**Modify** _____ **Cancel** _____ **Expedite** _____ **Suspend** _____ **Restore** _____ **Sequence** _____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	E - LS
		Interconnection Location:	**From:** [LEC Switch CLLI] **To:** [LEC-Switch-to-AT&T-4ESS TSG designation]
		Interconnection Specific:	ROUTING
Desired Due Date:	11/03/96	***Due Date Details:***	Activate routing in coordination with AT&T contact
		Remarks:	

Element/Combination: LS - Local Switching

Element ID:	[LEC Switch CLLI]
Object:	LNP
Qty/Capacity:	N/A
Option:	RIPH (Route Index Portability Hub)
Characteristics:	[Ported Numbers] Number of call paths: max
Features:	

Unbundled Network Element Provisioning Format

Example 3

Purpose of Order: Suspend Local Switching functionality

Order Activity:	C	***Order Activity Description:***	**Modify _____ Cancel _____ Expedite _____ Suspend __X___ Restore _____** **Sequence _____ Coordinated _____ Associated Order(s):**
		Type Element/Comb:	E - LS
		Interconnection Location:	**Inclusive:** [LEC Switch CLLI]
		Interconnection Specific:	FUNCTIONALLY INCLUSIVE
Desired Due Date:	NOW	***Due Date Details:***	
		Remarks:	Suspend all functionally except access to E911

Element/Combination: LS - Local Switching

Element ID:	WTN
Object:	Line
Qty/Capacity:	1
Option:	POTS
Characteristics:	
Features:	

Unbundled Network Element Provisioning Format

Example 4

Purpose of Order: Add LEC signaling access/capability to AT&T Switch

Order Activity:	A	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	E - SS
		Interconnection Location:	**Inclusive:** [Rate Center] **From:** [STP CLLI pair] **To:** [AT&T POP CLLI and DSX tie down] **To:** [AT&T POP CLLI and DSX tie down]
		Interconnection Specific:	CONTIGUOUS, FUNCTIONALLY INCLUSIVE, ROUTING
Desired Due Date:	11/03/96	***Due Date Details:***	Turn up signaling network in coordination with AT&T contact
		Remarks:	

Element/Combination: SS -Signal Transfer Points

Element ID:	[STP CLLI pair] [Circuit ID's for links]
Object:	A-link
Qty/Capacity:	2 (pair)
Option:	DS0
Characteristics:	
Features:	

Unbundled Network Element Provisioning Format

Example 5

Purpose of Order: Update ALI/DMS (E911) database with new customer information

Order Activity:	C	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	E - DB
		Interconnection Location:	**Inclusive:** [Rate Center served by ALI/DMS database]
		Interconnection Specific:	FUNCTIONALLY INCLUSIVE
Desired Due Date:	11/03/96	***Due Date Details:***	Activate new database entry in coordination with AT&T contact
		Remarks:	

Element/Combination: DB - SCPs/Database

Element ID:	WTN
Object:	E911 (ALI/DMS)
Qty/Capacity:	1
Option:	Customer
Characteristics:	[New customer-specific information]
Features:	

Unbundled Network Element Provisioning Format

Example 6

Purpose of Order: Disconnect Local Switching

Order Activity:	D	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	E - DB
		Interconnection Location:	**Inclusive:** [LEC Switch CLLI]
		Interconnection Specific:	FUNCTIONALLY INCLUSIVE
Desired Due Date:	11/03/96	***Due Date Details:***	Disconnect in coordination with AT&T contact
		Remarks:	

Element/Combination: LS - Local Switching

Element ID:	WTN
Object:	Line
Qty/Capacity:	1
Option:	POTS
Characteristics:	
Features:	

Unbundled Combination Provisioning Format

Loop Combination Functionality

Activity (one of)	*Type*	*Interconnection Location*	*Interconnection Specific*	*Element ID*	*Object (One of)*	*Option (one of)*	*Characteristics*
A,C,D,R	LOOP	Customer Address LSO CLLI/POT	CONTIGUOUS	Loop ID	Digital	2-wire 4-wire	ISDN Conditioned DS1 Conditioned Non-concentrated Max-concentration Interface rate Interface protocol (TR08, TR303)
					Analog	2-wire 4-wire	Non-concentrated Max-concentration Interface rate Interface protocol (TR08, TR303) Analog interface Digital interface

Unbundled Combination Provisioning Format

Example 1

Purpose of Order: LOOP Combination - Add ISDN Loop Combination

Order Activity:	A	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** _X_ **Associated Order(s):**
		Type Element/Comb:	C - LOOP
		Interconnection Location:	**From:** [Customer location] **To:** [LSO CLLI, AT&T DSX frame tie down]
		Interconnection Specific:	CONTIGUOUS
Desired Due Date:	11/03/96	***Due Date Details:***	Swing loop in coordination with AT&T contact
		Remarks:	

Element/Combination: LOOP - Loop

Element ID:	[LEC will return Loop ID]
Object:	Digital
Qty/Capacity:	1
Option:	2-wire
Characteristics:	ISDN conditioned Non-concentrated Interface rate: DS1 Interface protocol: TR303
Features:	

Unbundled Combination Provisioning Format

Example 2

Purpose of Order: LOOP and Switching Combination

Order Activity:	A	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	C - LOOP/LS
		Interconnection Location:	**From:** [Customer prem] **To:** [LSO CLLI, AT&T IDF frame tie down]
		Interconnection Specific:	CONTIGUOUS, ROUTING
Desired Due Date:	11/03/96	***Due Date Details:***	Swing loop and activate remote call forward simultaneously
		Remarks:	

Element/Combination: LOOP - Loop

Element ID:	[LEC will return loop ID]
Object:	Analog
Qty/Capacity:	1
Option:	2-wire
Characteristics:	Interface: Analog
Features:	

Element/Combination: LS - Local Switching

Element ID:	[LEC Switch CLLI]
Object:	LNP
Qty/Capacity:	N/A
Option:	RCF
Characteristics:	[Shadow number] Number of call paths: 2
Features:	

Unbundled Combination Provisioning Format

Example 3

Purpose of Order: Local Switching Conditioning Combination

Order Activity:	A	***Order Activity Description:***	**Modify** ____ **Cancel** ____ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** ____ **Associated Order(s):**
		Type Element/Comb:	C - LS/CT/SS/DB/TS
		Interconnection Location:	**Inclusive:** [NPA]
		Interconnection Specific:	FUNCTIONALLY INCLUSIVE
Desired Due Date:	11/03/96	***Due Date Details:***	
		Remarks:	Prepare NPA for AT&T use of all Local Switching, Common Transport, Signaling, Database and Tandem Switching elements. Return AT&T Line Class Codes for all switches

Unbundled Combination Provisioning Format

Example 4

Purpose of Order: Toll Traffic Combination 1 - Add toll trunking and transport between LEC end office and AT&T Switch

Order Activity:	A	***Order Activity Description:***	**Modify** _____ **Cancel** _____ **Expedite** _____ **Suspend** _____ **Restore** _____ **Sequence** _____ **Coordinated** __X__ **Associated Order(s):**
		Type Element/Comb:	C - DT/LS
		Interconnection Location:	**From:** [LEC Switch CLLI] **To:** [CFA T3 slot]
		Interconnection Specific:	CONTIGUOUS, FUNCTIONALLY INCLUSIVE, ROUTING
Desired Due Date:	11/03/96	***Due Date Details:***	Do not activate routing until notified by AT&T contact
		Remarks:	

Element/Combination: DT - Dedicated Transport

Element ID:	[LEC will return facility name, CLFI]
Object:	DS1
Qty/Capacity:	1
Option:	Framing: ESF
Characteristics:	Signal: B8ZS
Features:	

Element/Combination: LS - Local Switching

Element ID:	[LEC will return TSG designation]
Object:	Network Trunk
Qty/Capacity:	24
Option:	SS7
Characteristics:	Two-way [Screening] [TSG characteristics] [Routing]
Features:	

Unbundled Combination Provisioning Format

Example 5

Purpose of Order: Cancel order to Add trunking and transport between LEC end-office and AT&T OSPS Switch

Order Activity:	A	***Order Activity Description:***	**Modify** ____ **Cancel** __X__ **Expedite** ____ **Suspend** ____ **Restore** ____ **Sequence** ____ **Coordinated** ____ **Associated Order(s):**
		Type Element/Comb:	C - DT/LS
		Interconnection Location:	**From:** [LEC Switch CLLI] **To:** [AT&T POP CLLI and DSX tie down]
		Interconnection Specific:	CONTIGUOUS, FUNCTIONALLY INCLUSIVE
Desired Due Date:	11/03/96	***Due Date Details:***	
		Remarks:	

Element/Combination: DT - Dedicated Transport

Element ID:	[LEC will return facility name, CLFI]
Object:	DS1
Qty/Capacity:	2
Option:	Framing: D4
Characteristics:	Signal: B8ZS
Features:	

Element/Combination: LS - Local Switching

Element ID:	[LEC will return TSG designation]
Object:	Network Trunk
Qty/Capacity:	48
Option:	SS7
Characteristics:	One-way (out from LEC switch) [Screening] [TSG characteristics]
Features:	

Unbundled Combination Provisioning Format

15.1
15.2
15.3
15.4
15.5

15.6 **Network Interconnection**

15.6.1 **Technical Requirements**

15.6.1.1 When requested by AT&T, BellSouth shall provide interconnections between BellSouth Network Elements provided to AT&T and AT&T's network at transmission rates designated by AT&T, including, but not limited to DS1, DS3, and STS-1.

15.6.1.2 Traffic shall be combined and routed as follows:

15.6.1.2.1 BellSouth shall provide direct trunks for intraLATA traffic (except 911, directory assistance, operator services, and other services that may require special routing) and, at AT&T's request, BellSouth shall allow AT&T to route such traffic either directly to a RLEC tandem or directly to a RLEC end-office. At AT&T's option, intraLATA toll and local traffic shall be combined onto one truck group.

15.6.1.2.2 At AT&T's request, BellSouth shall receive AT&T traffic destined to BellSouth Operator Systems Network Element, on trunks from an AT&T end-office or an AT&T tandem.

15.6.1.2.3 At AT&T's request, BellSouth shall receive AT&T CAMA-ANI (Centralized Automatic Message Accounting - Automatic Number identification) traffic destined to BellSouth B911 PSAPs, or E911 tandems, on trunks from an AT&T end-office.

~~15.6.1.2.4 At AT&T's request, BellSouth shall receive AT&T SS7 traffic destined to any RLEC S911 tandem on trunks from an AT&T end-office.~~

15.6.1.3 When requested by AT&T and a third party carrier, BellSouth shall provide interconnections between AT&T's network, and the other carrier's network through BellSouth network at transmission rates designated by AT&T, including, but not limited to DS1, DS3, and STS-1. BellSouth shall combine and route traffic to and from other local carriers and interLATA carriers through BellSouth network, and at AT&T's request, BellSouth shall record and keep records of such traffic for AT&T billing purposes.

~~15.6.1.4~~ BellSouth will order one-way trunk group(s) from AT&T for completion of BellSouth-originated local traffic. AT&T will order one-way or two-way trunk group(s) from BellSouth for completion of AT&T-originated local traffic. AT&T and BellSouth agree that this arrangement does not preclude future utilization of two-way trunk groups for all local traffic if mutually agreed to by the parties. ~~BellSouth shall provide two-way trunk groups for interconnections. At AT&T's request, BellSouth shall provide~~

~~uni-directional traffic on such trunks, in either direction, effectively operating them as if they were one-way trunk groups.~~

~~15.6.1.5~~ As stated in section 15.6.1.4, local traffic will be carried via one way trunk groups between the parties. AT&T traffic that traverses BellSouth's access tandem for interconnection with another service provider will be carried via a two-way trunk group. ~~BellSouth shall provision trunks without any user restrictions (e.g., option for two-way trunking, and no unnecessary trunk group fragmentation by traffic types).~~

15.6.1.6 All trunking provided by BellSouth shall adhere to the applicable performance requirements set forth in the "General Performance Requirements" section of this Agreement.

~~15.6.1.7 At AT&T's request,~~ BellSouth shall provide for overflow routing from a given high usage trunk group or groups onto another final tandem trunk group ~~as AT&T designates.~~

15.6.1.8 BellSouth and AT&T shall agree on the establishment of two-way trunk groups for the exchange of traffic for other IXCs per existing tariffs. These trunk groups can be provided in a "meet point" arrangement.

15.6.1.9 Interconnection shall be made available upon AT&T's request at any technically feasible point of interface. All trunk interconnections shall be provided, including, SS7, MF, DTMF, DialPulse, PRI-ISDN (where available), DID (Direct Inward Dialing), CAMA-ANI, and trunking necessary so that interim LNP can be provided.

15.6.1.10 **Trunk Interface Requirements**

15.6.1.10.1 **B911/E911 Trunks**

~~15.6.1.10.1.1 BellSouth shall allow AT&T to provide direct trunking to each RLEC B911 serving end office, or RLEC E911 tandem, as is appropriate for the applicable serving area. These trunks are to be provided as one-way trunks from a given AT&T end office to BellSouth 911 end office or tandem.~~ See 911 Section

~~15.6.1.10.1.2 BellSouth shall provide for overflow 911 traffic to be sent to BellSouth operator services platform or, at AT&T's direction, routed directly to AT&T's operator services platform.~~ See 911 Section

15.6.1.10.2 **S911 Trunks**

~~In areas where S911 tandems are used, BellSouth shall allow AT&T to provide direct trunking to each RLEC S911 tandem. Such SS7 trunks are to be provided as one-way trunks from a given AT&T end office to BellSouth S911 tandem.~~

15.6.1.10.3 **Local Switch and Access Tandem Trunks**

15.6.1.10.3.1 BellSouth shall provide trunks groups provisioned exclusively to carry intraLATA traffic, as designated by AT&T.

15.6.1.10.3.2 BellSouth shall provide trunk groups provisioned exclusively to carry interLATA traffic, as designated by AT&T.

15.6.1.10.3.3 BellSouth shall provide SS7 trunks which provide SS7 interconnection. At AT&T's request, MF trunks may be substituted for SS7 trunks where applicable.

~~15.6.1.10.3.4~~ BellSouth will route local GR-317 based calls and interLATA, Feature Group D GR-394 based calls over separate trunk groups as stated in sections 15.6.1.4 and 15.6.1.8. ~~BellSouth shall simultaneous route calls based on dialed digits (in accordance with the standard GR-317-CORE), and Carrier Identification Code (in accordance with the standard GR-394-CORE) over a single SS7 trunk group.~~

15.6.1.10.4 **BellSouth Operator Services Trunk**

15.6.1.10.4.1 For traffic from BellSouth's network to AT&T for Operator Services, BellSouth shall provide one trunk group per NPA served by the local RLEC switch.

15.6.1.10.4.2 BellSouth shall provide such trunks as one-way trunks from BellSouth network to the AT&T network.

15.6.2 Network Interconnection between BellSouth and AT&T shall meet or exceed all of the requirements for Network Interconnection set forth in the following technical references:

15.6.2.1 GR-317-CORE, Switching System generic requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994;

15.6.2.2 GR-394-CORE, Switching System generic requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994;

15.6.2.3 FR-NWT-000271, OSSGR Operator Services Systems generic requirements, Bellcore, 1994 Edition; and

15.6.2.4 FR-NWT-000064, LATA Switching Systems Generic Requirements (LSSGR), Bellcore, 1994 Edition.

MAINTENANCE

1. BellSouth shall provide repair, maintenance, testing, and surveillance for all Local Services and unbundled Network Elements and Combinations in accordance with the terms and conditions of this Attachment. BellSouth will provide AT&T with service at least equal to the level that BellSouth provides to its end users. ~~the capability to provide an AT&T customer the same experience as BellSouth provides its own customers. This capability shall be in accordance with standards or other measurements that are at least equal to the highest level that BellSouth provides or is required to provide by law or its own internal procedures.~~

2. BellSouth shall use its best efforts in working with ~~cooperate with~~ AT&T to meet maintenance standards for all Local Services ~~and unbundled Network Elements and Combinations ordered under this Agreement, as specified in Section 9 of this Attachment. Such maintenance standards shall include, without limitation, standards for testing, network management, call gapping, and~~ Such maintenance standards shall include notification of upgrades as they become available. Standards for resold local services and BellSouth's unbundled port service shall be equal to maintenance standards provided for BellSouth's end users services. Standards for testing, network management, call gapping and notification of upgrades regarding other unbundled network elements and local interconnection trunks are defined in the F.C.C. 4 Access Tariff.

3. BellSouth shall cooperate with AT&T to enhance the Electronic Interface offered by BellSouth to the resale market pursuant to the Georgia PSC order. This interface will allow AT&T maintenance personnel and customer service representatives to perform the following functions for AT&T Customers that will be defined by the joint team that has been established per the Georgia order ~~establish a real-time, Electronic Interface for gateway or automated access by AT&T to BellSouth's maintenance systems and databases, in order to allow AT&T maintenance personnel and customer service representatives to perform the following functions for AT&T Customers: : (i) the ability to enter a new trouble ticket into the BellSouth maintenance system for an AT&T Customer; (ii) the ability to retrieve and track current status on all AT&T Customer repair tickets; (iii) the ability to receive "estimated time to repair" ("ETTR") on a real time basis; (iv) the ability to receive immediate notification in the event a repair person is unable to be present for, or anticipates missing, a scheduled repair appointment; and (v) the ability to retrieve all applicable time and material charges at the time of ticket closure (itemized by time spent, price of materials used, procedures employed, amounts incurred in each such category, and total by customer, per event).~~

3.1 BellSouth agrees to develop and implement as soon as is practicable, ~~but no later than March 31, 1997~~, the electronic gateway for resold BellSouth services described above into BellSouth's systems in a manner to provide AT&T with the functions defined by the joint AT&T/BST electronic interface team. ~~capability to provide an AT&T customer the same maintenance service experience as BellSouth provides its own customers.~~

3.1.1 Until the electronic interface exists, BellSouth agrees that AT&T will transmit repair calls related to resold BellSouth services to BellSouth's repair bureau by telephone. In this interim process, the following standards and procedures will apply:

3.1.2 BellSouth agrees that AT&T will report troubles for resold BellSouth services directly to BellSouth's Business Repair Center and/or Residence Repair Center.

3.1.3 BellSouth will perform all testing for Resold Local Services. BellSouth will provide test results, if appropriate, for trouble clearance. In all instances, BellSouth will provide AT&T with the disposition of that particular trouble.

3.1.4 BellSouth will provide AT&T the ability to obtain the status on open maintenance trouble tickets via telephone. BellSouth agrees to provide the status for residence and small business customers upon AT&T's request, in an expedient manner, with standards to be negotiated in the workcenter interface agreement.

3.1.5 BellSouth agrees to provide the status for open maintenance trouble tickets proactively to AT&T for large business customers. Guidelines for status on open maintenance trouble tickets for large business customers will be documented in the work center interface agreement.

3.1.6 BellSouth agrees that AT&T may call BellSouth to verify central office features and functions as they relate to an open trouble ticket. BellSouth agrees to work with AT&T on the initial trouble report to isolate the cause of the trouble and where possible, resolve the feature/function related trouble at that time.

3.1.7 BellSouth agrees to advise AT&T of any central office failure that is known at the time of any inquiry or trouble report. BellSouth agrees to continue to work with AT&T toward implementing a process to meet AT&T's requirements for notification of switch failures by March 31, 1997.

3.1.8 BellSouth agrees to provide an Estimated Time To Repair (ETTR) on all residence and small business trouble reports.

3.1.9 BellSouth agrees to develop, with AT&T's cooperation, mutually acceptable workcenter interface agreements to document the methods and procedures for the interim interface to be completed no later than September 1, 1996.

3.1.10 All BellSouth service technicians who provide repair service for AT&T Customers shall follow ~~specific~~ procedures, that include, ~~to be supplied by AT&T, in all their communications with AT&T Customers.~~ at ~~At~~ a minimum, the aforementioned procedures and protocol shall assume that: (1) BellSouth technicians shall provide repair service that is at least equal in quality to that provided to BellSouth customers; (2) trouble calls from AT&T Customers shall receive response time priority that is at least equal to that of BellSouth customers and shall be handled on a "first come first served" basis regardless of whether the customer is an AT&T Customer or an BellSouth customer.

4. BellSouth shall provide AT&T with the same scheduled and non-scheduled maintenance, including, without limitation, required and recommended maintenance intervals and procedures, for all Local Services, Network Elements and Combinations provided to AT&T under this Agreement that it currently provides for the maintenance of its own network. BellSouth shall negotiate the release of any Special Services elements with ~~provide~~ AT&T prior to ~~at least sixty (60) days' advance notice of~~ any scheduled maintenance activity which may impact those services. ~~AT&T's Customers.~~ Scheduled maintenance shall include, without limitation, such activities as, switch software retrofits, power tests, major equipment replacements and cable rolls. Plans for scheduled maintenance shall include, at a minimum, the following information: location and type of facilities, specific work to be performed, date and time work is scheduled to commence, work schedule to be followed, date and time work is scheduled to be completed, estimated number of work-hours for completion.

5. BellSouth shall advise AT&T of all non-scheduled maintenance, testing, monitoring, and surveillance activity to be performed by BellSouth on any network element, including, without limitation, any hardware, equipment, software, or system, providing service functionality which may potentially impact AT&T Customers. BellSouth shall provide the maximum advance notice of such non-scheduled maintenance and testing activity possible, under the circumstances; provided, however, that BellSouth shall provide emergency maintenance as promptly as possible to maintain or restore service and shall advise AT&T promptly of any such actions it takes.

6. ~~BellSouth shall provide AT&T with a detailed description of any and all emergency restoration plans and disaster recovery plans, however denominated, which are in place during the term of this Agreement. Such plans shall include, at a minimum, the following: (i) provision for immediate notification to AT&T of the existence, location, and source of any emergency network outage potentially affecting an AT&T Customer, via the Electronic Interface to be established pursuant to Section 3; (ii) establishment of a single point of contact responsible for initiating and coordinating the restoration of all Local Services and Network Elements or Combinations; (iii) methods and procedures to provide AT&T with real-time access to information relating to the status of restoration efforts and problem resolution during the restoration process; (iv) an inventory and description of mobile restoration equipment, by location; (v) methods and procedures for the dispatch of mobile equipment to the restoration site; (vi) methods and procedures for reprovisioning of all Local Services and Network Elements or Combinations after initial restoration; (vii) equal priority, as between AT&T Customers and BellSouth customers, for restoration efforts, consistent with FCC Service Restoration guidelines, including, without limitation, deployment of repair personnel, and access to spare parts and components; and (viii) a mutually agreeable process for escalation of maintenance problems, including a complete, up-to-date list of responsible contacts, each available twenty-four (24) hours per day, seven (7) days per week. Said plans shall be modified and up-dated as needed. For purposes of this subsection, an emergency network outage is defined as 5,000 or more blocked call attempts in a ten (10) minute period in a single exchange.~~

6. BellSouth Residence Repair Center: Emergency Contingency Plans are in place in the BellSouth Residence Repair Centers (RRC). If we have a complete failure at one location, we will redirect calls to another RRC location through the network. We can utilize BSCN or long distant carrier facilities to redirect the calls. Calls are redirected to other centers at least two times each month. We also have a tie line network to all RRCs that provides us with the capability to redirect calls to other RRCs. In addition, we also have additional space and equipment at each location that can be used if there is a need to relocate employees on a long term basis.

BellSouth Business Repair Center: Emergency Contingency Plans are in place in the BellSouth Business Repair Centers (BRC). We have a partnership plan where each center has a partner to fold down to in the event of an emergency. Calls are redirected to the partner, if necessary. We also have an Emergency ECD to route calls in the event of any failures to the primary ECD. Small business and B/C level large business customers are large teamed across the region. There is some additional space and equipment in a number of the centers to use, if necessary.

Network: BellSouth agrees to conform to NSEP (National Security Emergency Preparedness) procedures which have been in effect since September 10, 1990. These guidelines were developed by the TSP (Telecommunications Service Priority System) office within the NCS (National Communication System) Agency in Washington, D.C. The NSEP-TSP system is the regulatory, administrative and operational system authorizing and providing priority treatment of NSEP telecommunications services. TSP provides the framework to initiate and restore, on a priority basis, to ensure effective NSEP telecommunications services. In the event BellSouth should suffer a Force Majeure, existing agreed upon Disaster Recovery Plans will prevail.

7. On misdirected calls, BellSouth and AT&T shall advise customers to contact their local service provider (LSP) and, on request, will provide the customer with the LSP contact number. ~~establish mutually acceptable methods and procedures for the immediate, on-line transfer from BellSouth to AT&T, and vice versa, of any and all misdirected calls from customers requesting repair.~~

8. BellSouth repair bureau shall conform to the following performance and service quality standards when providing repair and maintenance to AT&T and AT&T Customers under this Agreement:

8.1 If service is provided to AT&T Customers before an Electronic Interface is established between AT&T and BellSouth, AT&T will transmit repair calls to the BellSouth repair bureau by telephone. In such event, the speed of answer time for AT&T will be equal to that for BellSouth end users. ~~the following standards shall apply: The BellSouth repair bureau shall answer its telephone and begin taking information from AT&T within twenty (20) seconds of the first ring, ninety-five percent (95%) of the time; within thirty (30) seconds of the first ring, ninety-eight percent (98%) of the time; and within forty (40) seconds of the first ring, one hundred percent (100%) of the time. Calls answered by automated response systems, and calls placed on hold, shall be considered not to meet these standards.~~

8.2 The BellSouth repair bureau, ~~including the Electronic Interface to be established pursuant to Section 3 preceding,~~ shall be on-line and operational twenty-four (24) hours per day, seven (7) days per week.

8.3 The BellSouth repair bureau shall provide to AT&T the "estimated time to restore equal to that provided to BellSouth's end users." ~~with at least ninety-seven percent (97%) percent accuracy~~.

8.4 In the event the "estimated time to restore" has been missed, BellSouth shall notify AT&T to that effect as soon as possible ~~within one (1) hour~~.

8.5 Emergency network outages, as defined in Section 7 preceding, restoration will occur as promptly as possible (as stated in 5.) and response time priority that is equal to that of BellSouth customers. ~~shall be restored within one (1) hour. The only exception to this shall be in the case of a Force Majeure event affecting an entire exchange.~~

8.6 Where an outage has not reached the threshold defining an emergency network outage, ~~the following~~ quality standards applicable to BellSouth end users services shall apply with respect to restoration of Local Service and Network Elements or Combination. ~~Total outages requiring a premises visit by an BellSouth technician that are received between 8 a.m. to 6 p.m. on any day shall be restored within four (4) hours of referral, ninety percent (90%) of the time; within eight (8) hours of referral, ninety five percent (95%) of the time; and within sixteen (16) hours of referral, ninety nine percent (99%) of the time. Total outages requiring a premises visit by a BellSouth technician that are received between 6 p.m. and 8 a.m. on any day shall be restored during the following 8 a.m. to 6 p.m. period in accordance with the following performance metrics: within four (4) hours of 8 a.m., ninety percent (90%) of the time; within eight (8) hours of 8 a.m., ninety five percent (95%) of the time; and within sixteen (16) hours of 8 a.m., ninety nine percent (99%) of the time. Total outages which do not require a premises visit by a BellSouth technician shall be restored within two (2) hours of referral, eighty five percent (85%) of the time; within three (3) hours of referral, ninety five percent (95%) of the time; and within four (4) hours of referral, ninety nine percent (99%) of the time.~~

8.7 Trouble calls (e.g., related to Local Service or Network Element or Combination degradation or feature problems) which have not resulted in total service outage that are ~~shall be~~ resolved within twenty-four (24) hours of referral, shall be equal to the percent of restorals provided to BellSouth end users ~~ninety five percent (95%) of the time~~, irrespective of whether or not resolution requires a premises visit. For purposes of this Section, Local service or a Network Element or Combination is considered restored, or a trouble resolved, when the quality of the Local Service or Network Element or Combination is equal to that provided before the outage, or the trouble, occurred.

8.8

8.9 The failure frequency for AT&T's services shall be no worse than the failure frequency experienced by BellSouth's end users. ~~Repeat trouble reports from the same customer in a two month period shall be less than one percent (1%).~~ Repeat trouble reports shall be measured by the number of calls received by the BellSouth repair bureau relating to the same telephone line during the current and previous report months.

8.10 BellSouth shall inform AT&T as soon as possible after ~~within ten (10) minutes of~~ restoration of Local Service Network Element or Combination after an outage has occurred.

~~8.11 BellSouth agrees to use its best efforts to become certified under and adhere to ISO 9000 Standards and Certification.~~ BellSouth's repair service centers supporting AT&T as a reseller will be the same centers that support BellSouth's end users and, therefore, AT&T will be supported by BellSouth personnel with the same level of training or certification as those supporting BellSouth's end users. The AT&T ACAC, which supports unbundled network elements excluding BellSouth's port, is certified.

8.11 BellSouth shall provide AT&T with escalation procedures to be followed if, in AT&T's judgment, any individual trouble ticket or tickets are not resolved in a timely manner. The escalation procedures to be provided hereunder shall include ~~names and~~ telephone numbers of BellSouth management personnel who are responsible for maintenance issues. Note: IN a 24 X 7 operation, names change due to changes in shifts, etc.

8.12 In the event AT&T perceives that BellSouth is providing a level of service below that which is provided to BellSouth's customers BellSouth will work with AT&T to determine the cause of and correct AT&T's perception. ~~shall fail to conform to the aforementioned performance and service , quality standards, AT&T may request, and BellSouth , shall perform, a root cause analysis of the reason behind BellSouth's failure to conform, and BellSouth shall correct said cause as soon as reasonably practical, at its own expense.~~

8.13 Maintenance charges for premises visits by BellSouth technicians shall be billed by AT&T to its Customer, and not by BellSouth. The BellSouth technician shall contact AT&T for authorization , to bill AT&T for the charges, to quote time and charges at the completion of the repair visit, and to notify AT&T if a subsequent visit is required. BellSouth will bill maintenance charges for premises visits to AT&T., ~~however, present the Customer with an AT&T branded form detailing the time spent, the materials used, and an indication that the trouble has either been resolved, or that additional work will be necessary, in which case, BellSouth technician shall , make an additional appointment with the Customer. The BellSouth technician shall obtain the Customer's signature upon said form, and then use the signed form to input maintenance charges into the BellSouth repair and maintenance database (accessible by way of the Electronic Interface established pursuant to Section 3 preceding).~~ BellSouth will

~~8.14~~

8.14 Dispatching of BellSouth technicians to AT&T Customer premises shall be accomplished by BellSouth pursuant to a request received from AT&T. BellSouth will determine appropriate enhancements to the ~~The~~ Electronic Interface offered to the resale market ~~established~~ pursuant to Section 3 preceding by December 31, 1996. ~~shall have the capability of allowing AT&T to receive trouble reports, analyze and sectionalize the trouble, determine whether it is necessary to dispatch a service technician to the Customer's premises, and verify any actual work completed on the Customer's premises.~~

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CONNECTIVITY BILLING AND RECORDING

1. General

This Section describes the requirements for BellSouth to bill and record all charges AT&T incurs for purchasing Local Services for resale and for Network Elements and Combinations, ~~and to provide Meet Point Billing and Mutual Compensation.~~ and to provide Meet Point Billing and Mutual Compensation.

2. Billable Information And Charges

2.1. BellSouth will bill and record in accordance with this Agreement those combinations charges AT&T incurs as a result of AT&T purchasing from BellSouth Network Elements, Combinations, and Local Services, as set forth in this Agreement (hereinafter "Connectivity Charges"). ~~BellSouth will format each bill for Connectivity Charges (hereinafter "Connectivity Bill") in accordance with CABS or SECAB as appropriate. Each such Network Element, Combination, or Local Service, purchased by AT&T shall be assigned a separate and unique billing code in the form agreed to by the parties and such code shall be provided to AT&T on each Connectivity Bill in which charges for such Elements, Combinations, or Local Services appear. Each such billing code shall enable AT&T to identify the Element(s), or Combinations, Objects and Options as described in the Provisioning Attachment to this Agreement ordered by AT&T, or Local Services ordered or utilized by AT&T in which Connectivity Charges apply pursuant to this Agreement.~~ BellSouth will bill any access charges, including unbundled loops, through CABS. Resale billing and unbundled ports will be billed through CRIS/CLUB Summary with the transfer account arrangement. Each Connectivity Bill shall set forth the quantity and description of each such Network Element, Combination, or Local Service provided and billed to AT&T. All Connectivity Charges billed to AT&T ~~must~~ will indicate the state from which such charges were incurred except in cross boundary situations. A listing of the current cross boundary exchanges has been provided to AT&T.

2.1.1. ~~BellSouth may provide to AT&T Connectivity Bills formatted utilizing CRIS/CLUB standards for those Local Services purchased by AT&T from BellSouth through resale until not later than one (1) year after the execution of this Agreement or the adoption by the OBF of formatting standards governing the billing of connectivity charges for Local Services, whichever is earlier, provided however that such bills meet AT&T's requirements as outlined in this document. Prior to the execution of this Agreement, BellSouth was provided AT&T's specifications and requirements that will enable AT&T to process and analyze Connectivity Bills formatted utilizing~~

~~CRIS/CLUB standards. BellSouth agrees that it will also meet those specifications and requirements upon the execution of this Agreement.~~

2.1.1. Once industry standards for resale are defined, BellSouth will work with AT&T and other resale customers to determine what billing is appropriate for this market at that time.

2.2. BellSouth shall provide AT&T a monthly Connectivity Bill that includes all Connectivity Charges incurred by and credits and/or adjustments due to AT&T for those Network Elements, Combination thereof, or Local Services ordered, established, utilized, discontinued or performed pursuant to this Agreement. Each Connectivity Bill provided by BellSouth to AT&T shall include: (1) all non-usage sensitive charges incurred for the period beginning with the day after the current bill date and extending to, and including, the next bill date; (2) any known unbilled non-usage sensitive charges for prior periods; (3) unbilled usage sensitive charges for the period beginning with the last bill date and extending ~~up to, but not including,~~ through the current bill date; (4) any known unbilled usage sensitive charges for prior periods, and (5) any known unbilled adjustments.

2.3. The Bill Date, as defined herein, must be present on each bill transmitted by BellSouth to AT&T, must be a valid calendar date, and not more than one (1) year old. Connectivity Bills shall not be rendered for any Connectivity Charges which are incurred under this Agreement on or before one (1) year preceding the Bill Date, except as otherwise permitted by law. In addition, on each bill where "Jurisdiction" is identified, local and local toll charges shall be identified as "Local" and not as interstate, interstate/ interrelate, intrastate, or intrastate/intraLATA. BellSouth will provide from and through dates for charges rendered on all Connectivity Bills. In addition, BellSouth will separately identify business charges from residence charges, as appropriate.

2.4. BellSouth shall bill AT&T for each Network Element, combination thereof, or Local Service, supplied by BellSouth to AT&T pursuant to this Agreement at the rates set forth in this Agreement. BellSouth will bill AT&T based on the actual Connectivity Charges incurred, provided, however, for those usage based Connectivity Charges where actual charge information is not determinable by BellSouth because the jurisdiction (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the parties will jointly develop a process to determine the appropriate charges. Measurement of usage-based Connectivity Charges shall be in actual conversation seconds. The total conversation seconds per chargeable traffic types will be totaled for the entire monthly bill cycle and then rounded to the next whole minute.

2.5. ~~Except as otherwise specified in this Agreement, each party shall be responsible for (1) all costs and expenses it incurs in complying with its obligations under this Agreement and (2) the development, modification, technical installation and maintenance of any systems or other infrastructure which it requires to comply with and to continue complying with its responsibilities and obligations under this Agreement.~~

2.5. Each party shall provide the other party at no additional charge a contact person for the handling of any Connectivity Billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Attachment. Billing questions subsequent to implementation will be directed through the Local Carrier Service Center (LCSC) for resale billing and through the Interexchange Carrier Service Center (ICSC) for CABS related issues.

3. Meet Point Billing

3.1. Where appropriate for unbundled network elements, AT&T and BellSouth will establish meet-point billing ("MPB") arrangements in accordance with the Meet Point Billing guidelines adopted by and contained in the OBF's MECAB and MECOD documents, except as modified herein. Both parties will use their best reasonable efforts, individually and collectively, to maintain provisions in their respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association ("NECA") Tariff No. 4, or any successor tariff to reflect the MPB arrangements identified in this Agreement, in MECAB and in MECOD.

3.2. AT&T and BellSouth will implement the "Multiple Bill/Multiple Tariff" option in order to bill any interexchange carrier ("IXC") for that portion of the network elements provided by AT&T or BellSouth. For all traffic carried over the MPB arrangement, AT&T and BellSouth shall bill each other all applicable elements at the rates specified in this Agreement.

3.3. BellSouth shall provide to AT&T the billing name, billing address, and carrier identification code ("CIC") of the IXCs that may utilize any portion of AT&T's network in an AT&T/BellSouth MPB arrangement in order to comply with the MPB Notification process as outlined in the MECAB document. Such information shall be provided to AT&T in the format and via the medium that the parties agree. If BellSouth does not have a CIC for any IXC that will utilize a portion of AT&T's network in an AT&T/BellSouth MPB arrangement, and for whom BellSouth must supply to AT&T MPB billing information, BellSouth agrees that it will assist such carrier in obtaining a CIC expeditiously. Until such carrier has obtained a CIC, BellSouth will submit BellSouth's CIC on those MPB records provided to AT&T for MPB. BellSouth understands and agrees that it will be solely

responsible for obtaining any reimbursements from those carriers who have utilized the jointly provided networks of BellSouth and AT&T.

3.4. BellSouth and AT&T agree that in an MPB arrangement where one party provides local transport and the other party provides the end office switching, the party who provides the end office switching is entitled to bill any residual interconnection charges ("RIC") and common carrier line ("CCL") charges associated with the traffic. The parties further agree that in those MPB situations where one party sub-tends the other party's access tandem, the party providing the access tandem is only entitled to bill the access tandem fee and any associated local transport charges. The parties also agree that the party who provides the end office switching is entitled to bill end office switching fees, local transport charges, RIC and CCL charges, as appropriate, and such other applicable charges.

3.5. BellSouth and AT&T will record and transmit MPB information in accordance with the standards and in the format set forth in this Attachment. BellSouth and AT&T will coordinate and exchange the billing account reference ("BAR") and billing account cross reference ("BACR") numbers for the MPB arrangements described in this Agreement. Each party will notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

~~3.6. If MPB data is not processed and delivered by either BellSouth or AT&T and sent to the other party within ten (10) days of their recording and in turn such party is unable to bill the IXC for the appropriate charges, the party who failed to deliver the data will be held liable for the amount of the unbillable charges.~~ When the SBC (subsequent billing company) is the recording company, they should provide the IBC (initial billing company) the detail billing records on a weekly basis (within 5 days). If the IBC is the recording company, detail billing record exchange is not necessary. The IBC should provide the SBC the summary billing records within 10 days from the IBC bill date.

~~3.6. If MPB data is not submitted within ten (10) days of their recording or is not in the proper format as set forth in this Agreement, and if as a result the other party is delayed in billing the IXC for the appropriate charges it incurs, the delaying party shall pay the other party a late MPB data delivery charge which will be the total amount of the delayed charges times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date the MPB charges should have been received to and including the date the MPB charge information is actually received.~~

3.6. Errors in MPB data exchanged by the parties may be discovered by AT&T, BellSouth or the billable IXC. Both AT&T and

BellSouth agree to provide the other party with notification of any discovered errors within two (2) business days of the discovery. The other party shall correct the error within eight (8) business days of notification and resubmit the data. In the event the errors cannot be corrected within the time period specified above, the erroneous data shall be considered lost. If MPB data is lost due to incorrectable errors or otherwise, the parties shall follow the procedures set forth in the Customer Billing Data Attachment of this Agreement and compensate the other for the lost MPB billing data.

3.7. In the event AT&T purchases from BellSouth Network Elements, or Combination thereof, in a LATA other than the LATA to or from which the MPB services are homed and in which BellSouth operates an access tandem, BellSouth shall, except in instances of capacity limitations, permit and enable AT&T to sub-tend the BellSouth access tandem switch(es) nearest to the AT&T rating point(s) associated with the NPA-NXX(s) to/from which the MPB services are homed. In instances of capacity limitation at a given access tandem switch, AT&T shall be allowed to sub-tend the next-nearest BellSouth access tandem switch in which sufficient capacity is available. The MPB percentages for each new rating point/access tandem pair shall be calculated in accordance with MECAB and MECOD.

3.8. Neither AT&T nor BellSouth will charge the other for the services rendered, or for information provided pursuant to Section 4 of this Attachment except those MPB charges specifically set forth herein. Both parties will provide the other a single point of contact to handle any MPB questions.

4. Collocation

When AT&T collocates with BellSouth in BellSouth's facility as described in this Agreement, capital expenditures (e.g., costs associated with building the "cage"), shall not be included in the Connectivity Bill provided to AT&T pursuant to this Attachment. All such capital expenses shall be given a unique BAN (as defined in Section 7, below) and invoice number. All invoices for capital expenses shall be sent to the location specified by AT&T for payment. All other non-capital recurring collocation expenses shall be billed to AT&T in accordance with this Agreement. The CABS Billing Output Specifications ("BOS") documents provide the guidelines on how to bill the Connectivity Charges associated with collocation. The bill label for those collocation charges shall be entitled "Expanded Interconnection Service." For those nonmechanized connectivity bills formatted according to SECAB, the bill label for non-capital recurring collocation expenses shall be entitled "Collocation."

5. Mutual Compensation

5.1. The parties shall bill each other reciprocal compensation in accordance with the standards set forth in this Agreement for Local Traffic terminated to the other party's customer, where both such

customers bear NPA-NXX designations associated with the same LATA or other authorized area (e.g., extended area service zones in adjacent LATAs). Such Local Traffic shall be recorded and transmitted to AT&T in accordance with this Attachment. Further, the Local Traffic exchanged pursuant to this Attachment shall be measured in billing minutes of use and shall be in actual conversation seconds. The total conversation seconds per chargeable traffic type will be totaled for the entire monthly billing cycle and then rounded to the next whole conversation minute. Reciprocal compensation for the termination of this Local Traffic shall be in accordance with in Part IV to this Agreement.

6. Local Number Portability

6.1. ~~In accordance with the terms and conditions set forth in this Attachment 6, BellSouth shall record and provide to AT&T all detail information associated with a call to an AT&T local exchange customer whose telephone number has been ported from BellSouth under INP as further described in the Local Number Portability Attachment to this Agreement.~~

6.1. When an IXC terminates an interLATA or IntraLATA toll call to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that AT&T shall receive those IXC access charges associated with end office switching, local transport, RIC and CCL, as appropriate, and such other applicable charges. BellSouth shall be entitled only to receive any access tandem fees and associated local transport charges, and any INP fees (i.e., such as RCF charges) set forth in this Agreement. When a call for which access charges are not applicable is terminated to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that the mutual compensation arrangements described in this Agreement shall apply.

7. Issuance of Connectivity Bills - General

7.1. BellSouth and AT&T will issue all Connectivity Bills in accordance with the terms and conditions set forth in this Section. BellSouth and AT&T will establish monthly billing dates ("Bill Date") for each Billing Account Number ("BAN~~"), as further defined in the CABS/SECAB documents.~~ On Connectivity Bills BellSouth renders to AT&T, BANs shall be 13 character alpha/numeric and there shall only be one BAN per Revenue Accounting Office ("RAO"). The Bill Date shall be the same day month to month for all BANs, except that the 4th, 7th or 13th of each month will not be used as a Connectivity Bill Date for Connectivity Bills BellSouth renders to AT&T. Each BAN shall remain constant from month to month, unless changed as agreed to by the parties. Each party shall provide the other party at least thirty (30) calendar days written notice prior to changing, adding or deleting a BAN. The parties will provide one Connectivity Billing invoice associated with each BAN. Each CABS invoice must contain an invoice number (which will vary from month to month). Bill date is the only varying invoice number available on the Resale bill. On each bill associated with a BAN, the appropriate invoice number and the charges contained on such invoice must be reflected. All Connectivity Bills must be received by the other party no later than ten (10) calendar days from Bill Date and at least twenty (20) calendar days prior to the payment due date (as described in this Attachment), whichever is earlier. Any Connectivity Bill received on a Saturday, Sunday or a day designated as a holiday by the Chase Manhattan

Bank of New York (or such other bank as AT&T shall specify) will be deemed received the next business day. If either party fails to receive Connectivity Billing data and information within the time period specified above, the payment due date will be extended by the number of

7.2. BellSouth and AT&T shall issue all CABS Connectivity Bills containing such billing data and information in accordance with CABS Version 26.0 or SECAB Issue 4, or such later versions of CABS or SECAB as are published by Bellcore, or its successor, except that if the parties enter into a meet-point billing arrangement, such Connectivity Billing data and information shall also conform to the standards set forth in the MECAB document, or such later versions as are adopted by Bellcore, or its successor. To the extent that there are no CABS, SECAB, or MECAB standards governing the formatting of certain data, such data shall be issued in the format specified by AT&T. Notwithstanding the above, BellSouth may issue AT&T Resale and unbundled port Connectivity Bills in CRIS/CLUB format ~~as provided herein. days the Connectivity Bill is late.~~

7.3. ~~By no later than September 1, 1996~~Within 30 days of finalizing the chosen billing media, each party will provide the other party written notice of which Connectivity Bills are to be deemed the official bills to assist the parties in resolving any conflicts that may arise between the official bills and other bills received via a different media which purportedly contain the same charges as are on the official bill. If either party requests an additional copy(ies) of a bill, such party shall pay the other party a reasonable fee per additional bill copy, unless such copy was requested due to errors, omissions, or corrections or the failure of the transmission to comply with the specifications set forth in this Agreement.

7.3. When sending Connectivity Bills via electronic transmission, to avoid transmission failures or the receipt of Connectivity Billing information that cannot be processed, the parties shall provide each other with their respective process specifications. ~~AT&T shall comply with BellSouth's processing specifications when AT&T transmits Connectivity Billing data to BellSouth. BellSouth shall comply with AT&T's processing specifications when BellSouth transmits Connectivity Billing data to AT&T.~~ Both parties will work to comply with the processing specifications of each other. AT&T and BellSouth shall provide each other reasonable notice if a Connectivity Billing transmission is received that does not meet such party's specifications or that such party cannot process. Such transmission shall be corrected and resubmitted to the other party, at the resubmitting party's sole expense, in a form that can be processed. The payment due date for such resubmitted transmissions will be twenty (20) days

from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Attachment.

8. **Electronic Transmissions**

8.1. BellSouth and AT&T agree that each party will transmit Connectivity Billing information and data in the appropriate CABS or SECAB format electronically via Connect:Direct (formerly known as Network Data Mover) to the other party at the location specified by such party. The parties agree that a T1.5 or 56kb circuit to Gateway for Connect: Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If BellSouth has an established Connect: Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. BellSouth must provide AT&T/Alpharetta its Connect: Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect: Direct Node ID is "NDMATTA4" and VTAM APPL ID is "NDMATTA4" and must be included in BellSouth's Connect:Direct software. AT&T will supply to BellSouth its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either party's Connect: Direct Node ID must be sent to the other party no later than twenty-one (21) calendar days before the changes take effect.

8.2. The following dataset format shall be used as applicable for those connectivity charges transmitted via Connect:Direct in **CABS** format:

Production Dataset

AF25.AXXXXYYY.AZZZ.DDDEE	Production Dataset Name
AF25 =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	LEC Remote
AZZZ =	RAO (Revenue Accounting Office)
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)
EE =	01 thru 31 (Bill Period) (optional) or GA (US Postal-State Code)

Test Dataset

AF25.ATEST.AXXXX.DDD	Test Dataset Name
AF25.ATEST =	Job Naming Convention
AXXXX =	Numeric Company Code
DDD =	BDT (Billing Data Tape with or without CSR) *Or* CSR (Customer Service Record)

8.3. The following dataset format should be used as applicable for those connectivity charges transmitted via Connect:Direct in **SECAB** format.

Production Dataset

AFSC.AXXXXYYY.A000.SECAB	Production Dataset Name
AFSC =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	Alpha Company Name

Test Dataset

AFSC.ATEST.XXXXXX.SECAB	Test Dataset Name
AFSC.ATEST =	Job Naming Convention
XXXXXX =	Numeric Company Code

9. Tape or Paper Transmissions

9.1. In the event either party does not have Connect:Direct capabilities upon the effective date of this Agreement, such party agrees to establish Connect:Direct transmission capabilities with the other party within the time period mutually agreed and at the ~~establishing party's~~ AT&T's expense. Until such time, the parties will transmit billing information to each other via magnetic tape or paper, as agreed to by AT&T and BellSouth. Connectivity billing information and data contained on magnetic tapes or paper for payment shall be sent to the parties at the following locations. The parties acknowledge that all tapes transmitted to the other party via U.S. Mail or Overnight

Delivery and which contain Connectivity Billing data will not be returned to the sending party.

TO AT&T:

Tape Transmissions via U.S. Mail:	AT&T 300 North Point Parkway FLOC 217M01 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Tape Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

Paper Transmissions via U.S. Mail:	AT&T Caller Service 6908 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Paper Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

TO BellSouth:

Tape Transmissions:	Attn:
Paper Transmissions:	Attn:

10.2 Each party will adhere to the tape packaging requirements set forth in this subsection. Where magnetic tape shipping containers are transported in freight compartments, adequate magnetic field protection shall be provided by keeping a

typical 6-inch distance from any magnetic field generating device (except a magnetron-tape device). The parties agree that they will only use those shipping containers that contain internal insulation to prevent damage. Each party will clearly mark on the outside of each shipping container its name, contact and return address. Each party further agrees that it will not ship any Connectivity Billing tapes in tape canisters.

10.3 All billing data transmitted via tape must be provided on a cartridge (cassette) tape and must be of high quality, conform to the parties' record and label standards, 9-track, odd parity, 6250 BPI, group coded recording mode and extended binary-coded decimal interchange code ("EBCDIC"). Each reel of tape must be 100% tested at 20% or better "clipping" level with full width certification and permanent error free at final inspection. AT&T reserves the right to destroy a tape that has been determined to have unrecoverable errors. AT&T also reserves the right to replace a tape with one of equal or better quality.

10.4 Billing data tapes shall have the following record and label standards. The dataset serial number on the first header record of an IBM standard tape label also shall have the following format.

	CABS BOS	SECAB
Record Length	225 bytes (fixed length)	250 bytes (fixed length
Blocking factor	84 records per block	Not Applicable
Block size	18,900 bytes per block	Not Applicable
Labels	Standard IBM Operating System	Standard IBM Operating System

10.5 A single 6-digit serial number must appear on the external (flat) surface of the tape for visual identification. This number shall also appear in the "dataset serial number field" of the first header record of the IBM standard tape label. This serial number shall consist of the character "V" followed by the reporting location's four digit Originating Company Code and a numeric character chosen by the sending company. The external and internal label shall be the same. The dataset name shall appear on the flat side of the reel and also in the "data set name field" on the first header record of the IBM standard tape label. BellSouth's name, address, and contact shall appear on the flat side of the cartridge or reel.

10.6 Tape labels shall conform to IBM OS/VS Operating System Standards contained in the IBM Standard Labels Manual (GC26-3795-3). IBM standard labels are 80-character records recorded in EBCDIC, odd parity. The first four characters identify the labels:

Volume 1	Volume label
HDR1 and HDR2	Data set header labels
EOV1 and EOV2	Data set trailer labels (end-of-volume for multi-reel files)
EOF1 and EOF2	Data set trailer labels (end-of-data-set)

The HDR1, EOV1, and EOF1 labels use the same format and the HDR2, EOV2, and EOF2 labels use the same format.

10.7 The Standard Volume Label Format (Vol. 1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	The characters "VOL" identify this label as a volume label.
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for the IBM standard volume label.
Volume Serial Number (6 bytes)	A unique identification code, normally numeric characters (000001-999999), but may be alpha-numeric; if fewer than 6 characters, must be left-justified. This same code should also appear on the external (flat) surface of the volume for visual identification.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
VTOC Pointer (10 bytes)	Direct-access volumes only. This field is not used for tape volumes and should be recorded as blanks.
Reserved (10 bytes)	Reserved for future use - should be recorded as blanks.
Owner Name and Address Code(10 bytes)	Indicates a specific customer, person, installation, department, etc., to which the volume belongs. Any code or name is acceptable.
Reserved (29 bytes)	Reserved for future use - should be recorded as blanks.

10.8 The IBM Standard Dataset Label 1 Format (HDR1, EOV1, EOF1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for dataset label 1.

Dataset Identifier (17 bytes)	The rightmost 17 bytes of the dataset name (includes GnnnnVnn if the dataset is part of a generation data group). If the dataset name is less than 17 bytes, it is left-justified and the remainder of this field is padded with blanks.
Dataset Serial Number (6 bytes)	The volume serial number of the tape volume containing the dataset. For multi-volume datasets, this field contains the serial number of the first volume of the aggregate created at the same time. The serial number can be any 6 alphanumeric characters, normally numeric (000001-999999). If the number of characters is fewer than 6 characters, the code must be left-justified and followed by blanks.
Volume Sequence Number (4 bytes)	A number (0001-9999) that indicates the order of volume within the multi-volume group created at the same time. This number is always 0001 for a single volume dataset.
Dataset Sequence Number (4 bytes)	A number (0001-9999) that indicates the relative position of the dataset within a multi-dataset group. This number is always 0001 for a single dataset organization.
Generation Number (4 bytes)	If the dataset is part of a generation data group, this field contains a number from 0001 to 9999 indicating the absolute generation number (the first generation is recorded as 0001). If the dataset is not part of a generation data group, this field contains blanks.
Version Number Of Generation (2 bytes)	If the dataset is part of a generation data group, this field a number from 00 to 99 indicating the version number of the generation (the first version is recorded as 00). If the dataset is not part of a generation data group, this field contains blanks.
Creation Date (6 bytes)	Year and day of the year when the dataset was created. The date is shown in the format byyddd where: b = blank yy = year(00-99) ddd = day(001-366)
Expiration Date (6 bytes)	Year and day of the year when the dataset may be scratched or overwritten. The data is shown in the format byyddd where: b = blank yy = year (00-99) ddd = day (001-366)
Dataset Security (1 byte)	A code number indicating the security status of the dataset is as follows: 0 No password protection 1 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined) 3 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined).

Block Count (6 bytes)	This field in the trailer label shows the number of data blocks in the dataset on the current volume. This field in the header label is always zeros (000000).
System Code (13 bytes)	Unique code that identifies the system.
Reserved (7 bytes)	Reserved for future use - should be recorded as blanks.

10.9 The IBM Standard Dataset Label 2 Format (HDR2, EOV2, EOF2) always follows dataset label 1 and contains additional information about the associated dataset as described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are as follows: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 2 for dataset label 2.
Record Format (1 byte)	An alphabetic character that indicates the format of records in the associated dataset as follows: F Fixed length V Variable length U Undefined length.
Block Length (5 bytes)	A number up to 32760 that indicates the block length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Block length (must be a multiple of the logical record length in Field 5) Format V - Maximum block length (including the 4 byte length indicator in the block) Format U - Maximum block length.
Record Length (5 bytes)	A number that indicates the record length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Logical record length Format V - Maximum logical record length (including the 4 byte length indicator in the records) Format U - Zeros.

Tape Density (1 byte)	A code indicating the record density of the tape, as follows: Recording Density DEN Value 9-Track Tape 3 1600 (PE) 4 6250 (GCR) PE - is for phase encoded mode GCR - is for group coded recording mode.
Dataset Position (1 byte)	A code, indicating a volume switch, is as follows: 0 - No volume switch has occurred 1 - A volume switch previously occurred.
Job/Job Step (17 bytes)	Identification of the job and job step that created the dataset. The first 8 bytes contain the name of the job, the ninth byte is a slash (/), and the final 8 bytes contain the name of the job step.
Tape Recording Technique (2 bytes)	A code or blanks indicating the tape recording technique used. This field is recorded as blanks for 9-track tape. The only technique available for 9-track tape is odd parity and no translation.
Control Characters (1 byte)	A code indicating whether a control character set was used to create the dataset and the type of control characters used: A Contains ASCII control characters M Contains machine control characters b Contains no control characters.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
Block Attribute (1 byte)	A code indicating the block attribute used to create the dataset: B Blocked records S Spanned records R Blocked and spanned records b No blocked and no spanned records.
Reserved (8 bytes)	Bytes 40-42 - reserved for future use -should be blanks. Bytes 43-47 - (3420 tape units only) serial number of creating tape unit. Blank for other units.
Checkpoint Dataset (1 byte)	In VS2-Release 2, this byte contains the identifier character C if the dataset is a checkpoint dataset; the byte is blank if the dataset is not a check point dataset or in other releases of the VS systems.
Reserved (32 bytes)	Reserved for future use - should be recorded as blanks.

10. Testing Requirements

10.1. Within thirty (30) days of the execution of this Agreement, BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format (i.e. CRIS, CABS or SECAB) for testing to ensure that bills can be processed and that bills comply with the requirements of this Attachment. After receipt of the test data from BellSouth AT&T

will notify BellSouth if the connectivity billing transmission meets AT&T's testing specifications. If the transmission fails to meet AT&T's testing specifications, BellSouth shall make the necessary corrections. At least three (3) sets of testing data must meet AT&T's testing specifications prior to BellSouth sending AT&T a mechanized production connectivity bill for the first time via electronic transmission or tape. Thereafter, BellSouth may begin sending AT&T mechanized production connectivity bills on the next Bill Date, or within ten (10) days, whichever is later.

10.2. At least 30 days prior to changing mechanized formats (e.g., from SECAB to CABS), BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format for testing to ensure that the bills can be processed and that the bills comply with the requirements of this Attachment. BellSouth agrees that it will not send AT&T bill data in the new mechanized format until such bill data has met the testing specifications as set forth in this subsection.

10.3. BellSouth shall provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, BellSouth's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or prior to a change in BellSouth's originating or state level company code.

10.4. During the testing period, BellSouth shall transmit to AT&T Connectivity Billing data and information via paper transmission. Test tapes shall be sent to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30302 Attn: Access Bill Testing Coordinator

11. Additional Requirements

11.1. BellSouth agrees that if it transmits data to AT&T in a mechanized format, BellSouth will also comply with the following specifications which are not contained in CABS or SECAB guidelines but which are necessary for AT&T to process Connectivity Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Connectivity Bill must contain at least one detail record.

- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.

11.2. For those Connectivity Charges billed in a mechanized format and in accordance with SECAB's format, BellSouth agrees to comply with the additional requirement set forth below if applicable:

- All data denoted as IC preference is required.
- When the Company Code is not a State Level Company Code, the State Identification should be the state from which charges were incurred.
- The SECAB Inventory and Rating Record Information for a Connectivity Bill will be provided monthly.
- In a multiple state or multiple Exchange Carrier (EC) environment, the STATE IDENTIFICATION on the Face Page (SCFAC1) Record should be populated with XX. This indicates the amounts on Summary Page 1-3 (SCSUM1, SCSUM2 and SCSUM3) Records represent the sum of multiple Summary Pages 4 and 5 (SCSUM4 and SCSUM5) Records.
- The mechanized records should be sent in the following sequence. (All records have been denoted, however they should be sent only when the production of the record is applicable as described in the SECAB document.)

RECORD

SCFILE
SCHEAD
SCFAC1
SCFAC2
SCFAC3
SCFAC4
SCSUM1
SCSUM2
SCSUM3
SCDSS1

SCSUM4 NOTE: GROUP BY COMPANY -

SCSUM4,

SCSUM5,

	SCSUM5		SCDSS2;
SCSUM4,			
	SCDSS2		SCSUM5,
SCDSS2; etc...			
	SCADJ1		
	SCOCC1		
	SCUSG1		
	SCFCTR		
	SCSURG		
	SCTAX1		
	SCCKTL		
	SCSPC1	NOTE:	GROUP BY
CIRCUIT CHARGE -			
	SCSPC2		SCSPC1,
SCSPC2, SCSPC3;			
	SCSPC3		SCSPC1,
SCSPC2, SCSPC3,			
			etc...
	SCEND1		
	SCEND2		

12. Bill Accuracy Certification

The Parties agree that in order to ensure the proper performance and integrity of the entire Connectivity Billing process, BellSouth will be responsible and accountable for transmitting to AT&T an accurate and current bill. ~~BellSouth agrees to implement control mechanisms and procedures to render a bill that accurately reflects the Elements, Combination and Local Services ordered and used by AT&T. Accordingly, AT&T and BellSouth agree to work diligently and in good faith to develop a pre-bill certification process by December 31, 1996 for Connectivity Bills rendered pursuant to this Agreement~~ AT&T's resale billing account will be held to the same quality controls and measurements as BellSouth's end user accounts. Further evaluation of necessary measurements may be appropriate once all processes are in place. CABS billing will be subject to the current processes with the exception of billing guarantee.

13. Payment Of Charges

13.1. Subject to the terms of this Agreement, AT&T and BellSouth will pay each other within thirty (30) calendar days from the Bill Date, or twenty (20) calendar days from the receipt of the bill, whichever is

later. If the payment due date is a Sunday or is a Monday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made the next business day. If the payment due date is a Saturday or is on a Tuesday, Wednesday, Thursday or Friday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made on the preceding business day.

13.2. Payments shall be made in U.S. Dollars via electronic funds transfer ("EFT") to the other party's bank account. At least thirty (30) days prior to the first transmission of Connectivity Billing data and information for payment, BellSouth and AT&T shall provide each other the name and address of its bank, its account and routing number and to whom Connectivity Billing payments should be made payable. If such banking information changes, each party shall provide the other party at least sixty (60) days written notice of the change and such notice shall include the new banking information. The parties will render payment via EFT. AT&T will provide BellSouth with one address to which such payments shall be rendered and BellSouth will provide to AT&T with only one address to which such payments shall be rendered. In the event AT&T receives multiple Connectivity Bills from BellSouth which are payable on the same date, AT&T may remit one payment for the sum of all Connectivity Bills payable to BellSouth's bank account specified in this subsection. Each party shall provide the other party with a contact person for the handling of Connectivity Billing payment questions or problems.

14. Billing Disputes

14.1. Each party agrees to notify the other party upon the discovery of a billing dispute. In the event of a billing dispute, the parties will endeavor to resolve the dispute within sixty (60) calendar days of the Bill Date on which such disputed charges appear. Resolution of the dispute is expected to occur at the first level of management resulting in a recommendation for settlement of the dispute and, in the case of a CABS bill, closure of a specific billing period. The parties shall replicate the bill closure procedures set forth in the Access Billing Supplier Quality Certification Operating Agreement for CABS billing. An escalation process will be established for the CRIS resale bill. Closure of a specific billing period will occur by joint agreement of the parties whereby the parties agree that such billing period is closed to any further analysis and financial transactions, except those resulting from an Audit as described in Section 11 of the General Section of this Agreement. Closure will take place within three (3) months of the Bill Date. The month being closed represents those Connectivity Charges that were billed or should have been billed by the respective Bill Date.

If the issues are not resolved within the allotted time frame, the following resolution procedure will begin:

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

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

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

14.1.4.If the dispute is not resolved within one hundred and fifty (150) days of the Bill Date, the dispute will be resolved in accordance with the procedures set forth in the Section 16 of the General Section of this Agreement and Attachment 1.

14.2. If a party disputes a Connectivity Charge and does not pay such charge by the payment due date, such charges shall be subject to late payment charges as set forth in the Late Payment Charges provision of this Attachment. If a party disputes Connectivity Charges and the dispute is resolved in favor of such party, the other party shall credit the Connectivity Bill of the disputing party for the amount of the disputed charges along with any late payment charges assessed no later than the second Bill Date after the resolution of the dispute. Accordingly, if a party disputes Connectivity Charges and the dispute is resolved in favor of the other party, the disputing party shall pay the other party the amount of the disputed charges and any associated late payment charges assessed no later than the second bill payment due date after the resolution of the dispute. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

15. Late Payment Charges

If either party fails to remit payment for any Connectivity Charges described in this Attachment by the payment due date, or if a payment or any portion of a payment is received by either party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other party, then a late payment penalty shall be assessed. The late payment charge shall be calculated based ~~on the portion of the payment not received by the payment date times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that payment is actually made. In no event, however, shall interest be assessed on any previously assessed late payment charges.~~ on the

appropriate tariff of the state in which the billing account resides for resale and on the provisions in the access tariff for access items.

16. Adjustments

Subject to the terms of this Attachment, BellSouth will reimburse AT&T for incorrect Connectivity Billing charges; overcharges; Local Services Elements, or any Combination thereof, ordered or requested but not delivered; interrupted Local Services associated with any Element, or combination thereof; ordered or requested; Local Services, Elements, or Combination thereof, of poor quality; and installation problems if caused by BellSouth. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards for access billing.

17. Recording Of Call Information

17.1. The parties agree to record call information in accordance with this subsection. To the extent technically feasible, each party will record and process all usage sensitive call detail information associated with every call originated or terminated to the other party's local exchange customer. ~~The parties agree that they will record call detail information if technically feasible even if such certain records or call detail information has not been recorded in the past. These~~ The call records for he charged number shall be provided at a party's request and shall be formatted pursuant to Bellcore standards and the terms and conditions of this Agreement. These records shall be transmitted to the other party daily in EMR format via Connect:Direct, provided however that if AT&T and BellSouth do not have Connect:Direct capabilities, such records shall be transmitted as the parties agree. BellSouth and AT&T agree that they will retain, at each party's sole expense, copies of all AMA records transmitted to the other party for at least seven (7) calendar days after transmission to the other party.

17.2. Each party will provide the other party with a carrier identification code ("CIC") on each EMR record transmitted to the other party. If BellSouth does not have a CIC for any local exchange carrier, BellSouth or IXC for whom BellSouth must supply to AT&T Connectivity Billing records or information pursuant to this Attachment, BellSouth agrees that it will assist the local exchange carrier, BellSouth or IC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, BellSouth agrees that it will submit its CIC to AT&T on those records for billing and payment. BellSouth further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier. Likewise, if AT&T does not have a CIC for any local exchange carrier, BellSouth or IXC for whom AT&T must supply to BellSouth Connectivity Billing records or information pursuant to this Attachment, AT&T agrees that it will assist the local exchange carrier,

BellSouth or IXC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, AT&T agrees that it will submit its CIC to BellSouth on those records for billing and payment. AT&T further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier.

~~17.3. The parties agree that it will meet the following performance measurements for the provision of EMR records:~~

~~17.2.1.Timeliness: Of the total number of records recorded each day, 99% of all such records should be received within five (5) calendar days of their recording. Of the total number of records recorded each day, 100% of all such records should be received within ten (10) calendar days of their recording.~~

~~17.2.1.Accuracy: There should be no more than 60 errors per one (1) million records transmitted.~~

~~17.2.1.Completeness: There should be no more than 20 omissions per one (1) million records.~~ Further evaluation of the appropriate measurements will be made once all processes are in place.

17.3. The parties agree that they will provide each other a single person to contact regarding any data exchange problems.

18. Examination Of Records

~~Without waiver of and in addition to the Audit rights in the General part of this Agreement, upon reasonable notice and at reasonable times and in accordance with the Access Billing Supplier Quality Certification Operating Agreement, AT&T or its authorized representatives may examine BellSouth's documents, systems, records and procedures which relate to the billing and recording of the Connectivity Charges to AT&T under this Attachment 6.~~ The current examination process for CABS billing will be applicable to the access billing relative to this agreement. Records for the resale bill will be provided as outlined in Section 11 of the General Agreement.

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CONNECTIVITY BILLING AND RECORDING

1. General

This Section describes the requirements for BellSouth to bill and record all charges AT&T incurs for purchasing Local Services for resale and for Network Elements and Combinations, ~~and to provide Meet Point Billing and Mutual Compensation.~~ and to provide Meet Point Billing and Mutual Compensation.

2. Billable Information And Charges

2.1. BellSouth will bill and record in accordance with this Agreement those combinations charges AT&T incurs as a result of AT&T purchasing from BellSouth Network Elements, Combinations, and Local Services, as set forth in this Agreement (hereinafter "Connectivity Charges"). ~~BellSouth will format each bill for Connectivity Charges (hereinafter "Connectivity Bill") in accordance with CABS or SECAB as appropriate. Each such Network Element, Combination, or Local Service, purchased by AT&T shall be assigned a separate and unique billing code in the form agreed to by the parties and such code shall be provided to AT&T on each Connectivity Bill in which charges for such Elements, Combinations, or Local Services appear. Each such billing code shall enable AT&T to identify the Element(s), or Combinations, Objects and Options as described in the Provisioning Attachment to this Agreement ordered by AT&T, or Local Services ordered or utilized by AT&T in which Connectivity Charges apply pursuant to this Agreement.~~ BellSouth will bill any access charges, including unbundled loops, through CABS. Resale billing and unbundled ports will be billed through CRIS/CLUB Summary with the transfer account arrangement. Each Connectivity Bill shall set forth the quantity and description of each such Network Element, Combination, or Local Service provided and billed to AT&T. All Connectivity Charges billed to AT&T ~~must~~ will indicate the state from which such charges were incurred except in cross boundary situations. A listing of the current cross boundary exchanges has been provided to AT&T.

2.1.1. ~~BellSouth may provide to AT&T Connectivity Bills formatted utilizing CRIS/CLUB standards for those Local Services purchased by AT&T from BellSouth through resale until not later than one (1) year after the execution of this Agreement or the adoption by the OBF of formatting standards governing the billing of connectivity charges for Local Services, whichever is earlier, provided however that such bills meet AT&T's requirements as outlined in this document. Prior to the execution of this Agreement, BellSouth was provided AT&T's specifications and requirements that will enable AT&T to process and analyze Connectivity Bills formatted utilizing~~

~~CRIS/CLUB standards. BellSouth agrees that it will also meet those specifications and requirements upon the execution of this Agreement.~~

2.1.1. Once industry standards for resale are defined, BellSouth will work with AT&T and other resale customers to determine what billing is appropriate for this market at that time.

2.2. BellSouth shall provide AT&T a monthly Connectivity Bill that includes all Connectivity Charges incurred by and credits and/or adjustments due to AT&T for those Network Elements, Combination thereof, or Local Services ordered, established, utilized, discontinued or performed pursuant to this Agreement. Each Connectivity Bill provided by BellSouth to AT&T shall include: (1) all non-usage sensitive charges incurred for the period beginning with the day after the current bill date and extending to, and including, the next bill date; (2) any known unbilled non-usage sensitive charges for prior periods; (3) unbilled usage sensitive charges for the period beginning with the last bill date and extending ~~up to, but not including,~~ through the current bill date; (4) any known unbilled usage sensitive charges for prior periods, and (5) any known unbilled adjustments.

2.3. The Bill Date, as defined herein, must be present on each bill transmitted by BellSouth to AT&T, must be a valid calendar date, and not more than one (1) year old. Connectivity Bills shall not be rendered for any Connectivity Charges which are incurred under this Agreement on or before one (1) year preceding the Bill Date, except as otherwise permitted by law. In addition, on each bill where "Jurisdiction" is identified, local and local toll charges shall be identified as "Local" and not as interstate, interstate/ interrelate, intrastate, or intrastate/intraLATA. BellSouth will provide from and through dates for charges rendered on all Connectivity Bills. In addition, BellSouth will separately identify business charges from residence charges, as appropriate.

2.4. BellSouth shall bill AT&T for each Network Element, combination thereof, or Local Service, supplied by BellSouth to AT&T pursuant to this Agreement at the rates set forth in this Agreement. BellSouth will bill AT&T based on the actual Connectivity Charges incurred, provided, however, for those usage based Connectivity Charges where actual charge information is not determinable by BellSouth because the jurisdiction (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the parties will jointly develop a process to determine the appropriate charges. Measurement of usage-based Connectivity Charges shall be in actual conversation seconds. The total conversation seconds per chargeable traffic types will be totaled for the entire monthly bill cycle and then rounded to the next whole minute.

2.5. ~~Except as otherwise specified in this Agreement, each party shall be responsible for (1) all costs and expenses it incurs in complying with its obligations under this Agreement and (2) the development, modification, technical installation and maintenance of any systems or other infrastructure which it requires to comply with and to continue complying with its responsibilities and obligations under this Agreement.~~

2.5. Each party shall provide the other party at no additional charge a contact person for the handling of any Connectivity Billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Attachment. Billing questions subsequent to implementation will be directed through the Local Carrier Service Center (LCSC) for resale billing and through the Interexchange Carrier Service Center (ICSC) for CABS related issues.

3. Meet Point Billing

3.1. Where appropriate for unbundled network elements, AT&T and BellSouth will establish meet-point billing ("MPB") arrangements in accordance with the Meet Point Billing guidelines adopted by and contained in the OBF's MECAB and MECOD documents, except as modified herein. Both parties will use their best reasonable efforts, individually and collectively, to maintain provisions in their respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association ("NECA") Tariff No. 4, or any successor tariff to reflect the MPB arrangements identified in this Agreement, in MECAB and in MECOD.

3.2. AT&T and BellSouth will implement the "Multiple Bill/Multiple Tariff" option in order to bill any interexchange carrier ("IXC") for that portion of the network elements provided by AT&T or BellSouth. For all traffic carried over the MPB arrangement, AT&T and BellSouth shall bill each other all applicable elements at the rates specified in this Agreement.

3.3. BellSouth shall provide to AT&T the billing name, billing address, and carrier identification code ("CIC") of the IXCs that may utilize any portion of AT&T's network in an AT&T/BellSouth MPB arrangement in order to comply with the MPB Notification process as outlined in the MECAB document. Such information shall be provided to AT&T in the format and via the medium that the parties agree. If BellSouth does not have a CIC for any IXC that will utilize a portion of AT&T's network in an AT&T/BellSouth MPB arrangement, and for whom BellSouth must supply to AT&T MPB billing information, BellSouth agrees that it will assist such carrier in obtaining a CIC expeditiously. Until such carrier has obtained a CIC, BellSouth will submit BellSouth's CIC on those MPB records provided to AT&T for MPB. BellSouth understands and agrees that it will be solely

responsible for obtaining any reimbursements from those carriers who have utilized the jointly provided networks of BellSouth and AT&T.

3.4. BellSouth and AT&T agree that in an MPB arrangement where one party provides local transport and the other party provides the end office switching, the party who provides the end office switching is entitled to bill any residual interconnection charges ("RIC") and common carrier line ("CCL") charges associated with the traffic. The parties further agree that in those MPB situations where one party subtends the other party's access tandem, the party providing the access tandem is only entitled to bill the access tandem fee and any associated local transport charges. The parties also agree that the party who provides the end office switching is entitled to bill end office switching fees, local transport charges, RIC and CCL charges, as appropriate, and such other applicable charges.

3.5. BellSouth and AT&T will record and transmit MPB information in accordance with the standards and in the format set forth in this Attachment. BellSouth and AT&T will coordinate and exchange the billing account reference ("BAR") and billing account cross reference ("BACR") numbers for the MPB arrangements described in this Agreement. Each party will notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

~~3.6. If MPB data is not processed and delivered by either BellSouth or AT&T and sent to the other party within ten (10) days of their recording and in turn such party is unable to bill the IXC for the appropriate charges, the party who failed to deliver the data will be held liable for the amount of the unbillable charges.~~ When the SBC (subsequent billing company) is the recording company, they should provide the IBC (initial billing company) the detail billing records on a weekly basis (within 5 days). If the IBC is the recording company, detail billing record exchange is not necessary. The IBC should provide the SBC the summary billing records within 10 days from the IBC bill date.

~~3.6. If MPB data is not submitted within ten (10) days of their recording or is not in the proper format as set forth in this Agreement, and if as a result the other party is delayed in billing the IXC for the appropriate charges it incurs, the delaying party shall pay the other party a late MPB data delivery charge which will be the total amount of the delayed charges times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date the MPB charges should have been received to and including the date the MPB charge information is actually received.~~

3.6. Errors in MPB data exchanged by the parties may be discovered by AT&T, BellSouth or the billable IXC. Both AT&T and

BellSouth agree to provide the other party with notification of any discovered errors within two (2) business days of the discovery. The other party shall correct the error within eight (8) business days of notification and resubmit the data. In the event the errors cannot be corrected within the time period specified above, the erroneous data shall be considered lost. If MPB data is lost due to incorrectable errors or otherwise, the parties shall follow the procedures set forth in the Customer Billing Data Attachment of this Agreement and compensate the other for the lost MPB billing data.

3.7. In the event AT&T purchases from BellSouth Network Elements, or Combination thereof, in a LATA other than the LATA to or from which the MPB services are homed and in which BellSouth operates an access tandem, BellSouth shall, except in instances of capacity limitations, permit and enable AT&T to sub-tend the BellSouth access tandem switch(es) nearest to the AT&T rating point(s) associated with the NPA-NXX(s) to/from which the MPB services are homed. In instances of capacity limitation at a given access tandem switch, AT&T shall be allowed to sub-tend the next-nearest BellSouth access tandem switch in which sufficient capacity is available. The MPB percentages for each new rating point/access tandem pair shall be calculated in accordance with MECAB and MECOD.

3.8. Neither AT&T nor BellSouth will charge the other for the services rendered, or for information provided pursuant to Section 4 of this Attachment except those MPB charges specifically set forth herein. Both parties will provide the other a single point of contact to handle any MPB questions.

4. Collocation

When AT&T collocates with BellSouth in BellSouth's facility as described in this Agreement, capital expenditures (e.g., costs associated with building the "cage"), shall not be included in the Connectivity Bill provided to AT&T pursuant to this Attachment. All such capital expenses shall be given a unique BAN (as defined in Section 7, below) and invoice number. All invoices for capital expenses shall be sent to the location specified by AT&T for payment. All other non-capital recurring collocation expenses shall be billed to AT&T in accordance with this Agreement. The CABS Billing Output Specifications ("BOS") documents provide the guidelines on how to bill the Connectivity Charges associated with collocation. The bill label for those collocation charges shall be entitled "Expanded Interconnection Service." For those nonmechanized connectivity bills formatted according to SECAB, the bill label for non-capital recurring collocation expenses shall be entitled "Collocation."

5. Mutual Compensation

5.1. The parties shall bill each other reciprocal compensation in accordance with the standards set forth in this Agreement for Local Traffic terminated to the other party's customer, where both such

customers bear NPA-NXX designations associated with the same LATA or other authorized area (e.g., extended area service zones in adjacent LATAs). Such Local Traffic shall be recorded and transmitted to AT&T in accordance with this Attachment. Further, the Local Traffic exchanged pursuant to this Attachment shall be measured in billing minutes of use and shall be in actual conversation seconds. The total conversation seconds per chargeable traffic type will be totaled for the entire monthly billing cycle and then rounded to the next whole conversation minute. Reciprocal compensation for the termination of this Local Traffic shall be in accordance with in Part IV to this Agreement.

6. Local Number Portability

6.1. ~~In accordance with the terms and conditions set forth in this Attachment 6, BellSouth shall record and provide to AT&T all detail information associated with a call to an AT&T local exchange customer whose telephone number has been ported from BellSouth under INP as further described in the Local Number Portability Attachment to this Agreement.~~

6.1. When an IXC terminates an interLATA or IntraLATA toll call to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that AT&T shall receive those IXC access charges associated with end office switching, local transport, RIC and CCL, as appropriate, and such other applicable charges. BellSouth shall be entitled only to receive any access tandem fees and associated local transport charges, and any INP fees (i.e., such as RCF charges) set forth in this Agreement. When a call for which access charges are not applicable is terminated to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that the mutual compensation arrangements described in this Agreement shall apply.

7. Issuance of Connectivity Bills - General

7.1. BellSouth and AT&T will issue all Connectivity Bills in accordance with the terms and conditions set forth in this Section. BellSouth and AT&T will establish monthly billing dates ("Bill Date") for each Billing Account Number ("BAN"~~), as further defined in the CABS/SECAB documents.~~ On Connectivity Bills BellSouth renders to AT&T, BANs shall be 13 character alpha/numeric and there shall only be one BAN per Revenue Accounting Office ("RAO"). The Bill Date shall be the same day month to month for all BANs, except that the 4th, 7th or 13th of each month will not be used as a Connectivity Bill Date for Connectivity Bills BellSouth renders to AT&T. Each BAN shall remain constant from month to month, unless changed as agreed to by the parties. Each party shall provide the other party at least thirty (30) calendar days written notice prior to changing, adding or deleting a BAN. The parties will provide one Connectivity Billing invoice associated with each BAN. Each CABS invoice must contain an invoice number (which will vary from month to month). Bill date is the only varying invoice number available on the Resale billl. On each bill associated with a BAN, the appropriate invoice number and the charges contained on such invoice must be reflected. All Connectivity Bills must be received by the other party no later than ten (10) calendar days from Bill Date and at least twenty (20) calendar days prior to the payment due date (as described in this Attachment), whichever is earlier. Any Connectivity Bill received on a Saturday, Sunday or a day designated as a holiday by the Chase Manhattan

Bank of New York (or such other bank as AT&T shall specify) will be deemed received the next business day. If either party fails to receive Connectivity Billing data and information within the time period specified above, the payment due date will be extended by the number of

7.2. BellSouth and AT&T shall issue all CABS Connectivity Bills containing such billing data and information in accordance with CABS Version 26.0 or SECAB Issue 4, or such later versions of CABS or SECAB as are published by Bellcore, or its successor, except that if the parties enter into a meet-point billing arrangement, such Connectivity Billing data and information shall also conform to the standards set forth in the MECAB document, or such later versions as are adopted by Bellcore, or its successor. To the extent that there are no CABS, SECAB, or MECAB standards governing the formatting of certain data, such data shall be issued in the format specified by AT&T. Notwithstanding the above, BellSouth may issue AT&T Resale and unbundled port Connectivity Bills in CRIS/CLUB format ~~as provided herein.days the Connectivity Bill is late.~~

7.3. ~~By no later than September 1, 1996~~Within 30 days of finalizing the chosen billing media, each party will provide the other party written notice of which Connectivity Bills are to be deemed the official bills to assist the parties in resolving any conflicts that may arise between the official bills and other bills received via a different media which purportedly contain the same charges as are on the official bill. If either party requests an additional copy(ies) of a bill, such party shall pay the other party a reasonable fee per additional bill copy, unless such copy was requested due to errors, omissions, or corrections or the failure of the transmission to comply with the specifications set forth in this Agreement.

7.3. When sending Connectivity Bills via electronic transmission, to avoid transmission failures or the receipt of Connectivity Billing information that cannot be processed, the parties shall provide each other with their respective process specifications. ~~AT&T shall comply with BellSouth's processing specifications when AT&T transmits Connectivity Billing data to BellSouth. BellSouth shall comply with AT&T's processing specifications when BellSouth transmits Connectivity Billing data to AT&T.~~ Both parties will work to comply with the processing specifications of each other. AT&T and BellSouth shall provide each other reasonable notice if a Connectivity Billing transmission is received that does not meet such party's specifications or that such party cannot process. Such transmission shall be corrected and resubmitted to the other party, at the resubmitting party's sole expense, in a form that can be processed. The payment due date for such resubmitted transmissions will be twenty (20) days

from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Attachment.

8. Electronic Transmissions

8.1. BellSouth and AT&T agree that each party will transmit Connectivity Billing information and data in the appropriate CABS or SECAB format electronically via Connect:Direct (formerly known as Network Data Mover) to the other party at the location specified by such party. The parties agree that a T1.5 or 56kb circuit to Gateway for Connect: Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If BellSouth has an established Connect: Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. BellSouth must provide AT&T/Alpharetta its Connect: Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect: Direct Node ID is "NDMATTA4" and VTAM APPL ID is "NDMATTA4" and must be included in BellSouth's Connect:Direct software. AT&T will supply to BellSouth its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either party's Connect: Direct Node ID must be sent to the other party no later than twenty-one (21) calendar days before the changes take effect.

8.2. The following dataset format shall be used as applicable for those connectivity charges transmitted via Connect:Direct in **CABS** format:

Production Dataset

AF25.AXXXXYYY.AZZZ.DDDEE	Production Dataset Name
AF25 =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	LEC Remote
AZZZ =	RAO (Revenue Accounting Office)
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)
EE =	01 thru 31 (Bill Period) (optional) or GA (US Postal-State Code)

Test Dataset

AF25.ATEST.AXXXX.DDD	Test Dataset Name
AF25.ATEST =	Job Naming Convention
AXXXX =	Numeric Company Code
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)

8.3. The following dataset format should be used as applicable for those connectivity charges transmitted via Connect:Direct in **SECAB** format.

Production Dataset

AFSC.AXXXXYYY.A000.SECAB	Production Dataset Name
AFSC =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	Alpha Company Name

Test Dataset

AFSC.ATEST.XXXXXX.SECAB	Test Dataset Name
AFSC.ATEST =	Job Naming Convention
XXXXXX =	Numeric Company Code

9. Tape or Paper Transmissions

9.1. In the event either party does not have Connect:Direct capabilities upon the effective date of this Agreement, such party agrees to establish Connect:Direct transmission capabilities with the other party within the time period mutually agreed and at the ~~establishing party's~~ AT&T's expense. Until such time, the parties will transmit billing information to each other via magnetic tape or paper, as agreed to by AT&T and BellSouth. Connectivity billing information and data contained on magnetic tapes or paper for payment shall be sent to the parties at the following locations. The parties acknowledge that all tapes transmitted to the other party via U.S. Mail or Overnight

Delivery and which contain Connectivity Billing data will not be returned to the sending party.

TO AT&T:

Tape Transmissions via U.S. Mail:	AT&T 300 North Point Parkway FLOC 217M01 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Tape Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

Paper Transmissions via U.S. Mail:	AT&T Caller Service 6908 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Paper Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

TO BellSouth:

Tape Transmissions:	Attn:
Paper Transmissions:	Attn:

10.2 Each party will adhere to the tape packaging requirements set forth in this subsection. Where magnetic tape shipping containers are transported in freight compartments, adequate magnetic field protection shall be provided by keeping a

typical 6-inch distance from any magnetic field generating device (except a magnetron-tape device). The parties agree that they will only use those shipping containers that contain internal insulation to prevent damage. Each party will clearly mark on the outside of each shipping container its name, contact and return address. Each party further agrees that it will not ship any Connectivity Billing tapes in tape canisters.

10.3 All billing data transmitted via tape must be provided on a cartridge (cassette) tape and must be of high quality, conform to the parties' record and label standards, 9-track, odd parity, 6250 BPI, group coded recording mode and extended binary-coded decimal interchange code ("EBCDIC"). Each reel of tape must be 100% tested at 20% or better "clipping" level with full width certification and permanent error free at final inspection. AT&T reserves the right to destroy a tape that has been determined to have unrecoverable errors. AT&T also reserves the right to replace a tape with one of equal or better quality.

10.4 Billing data tapes shall have the following record and label standards. The dataset serial number on the first header record of an IBM standard tape label also shall have the following format.

	CABS BOS	**SECAB**
Record Length	225 bytes (fixed length)	250 bytes (fixed length
Blocking factor	84 records per block	Not Applicable
Block size	18,900 bytes per block	Not Applicable
Labels	Standard IBM Operating System	Standard IBM Operating System

10.5 A single 6-digit serial number must appear on the external (flat) surface of the tape for visual identification. This number shall also appear in the "dataset serial number field" of the first header record of the IBM standard tape label. This serial number shall consist of the character "V" followed by the reporting location's four digit Originating Company Code and a numeric character chosen by the sending company. The external and internal label shall be the same. The dataset name shall appear on the flat side of the reel and also in the "data set name field" on the first header record of the IBM standard tape label. BellSouth's name, address, and contact shall appear on the flat side of the cartridge or reel.

10.6 Tape labels shall conform to IBM OS/VS Operating System Standards contained in the IBM Standard Labels Manual (GC26-3795-3). IBM standard labels are 80-character records recorded in EBCDIC, odd parity. The first four characters identify the labels:

Volume 1	Volume label
HDR1 and HDR2	Data set header labels
EOV1 and EOV2	Data set trailer labels (end-of-volume for multi-reel files)
EOF1 and EOF2	Data set trailer labels (end-of-data-set)

The HDR1, EOV1, and EOF1 labels use the same format and the HDR2, EOV2, and EOF2 labels use the same format.

10.7 The Standard Volume Label Format (Vol. 1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	The characters "VOL" identify this label as a volume label.
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for the IBM standard volume label.
Volume Serial Number (6 bytes)	A unique identification code, normally numeric characters (000001-999999), but may be alpha-numeric; if fewer than 6 characters, must be left-justified. This same code should also appear on the external (flat) surface of the volume for visual identification.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
VTOC Pointer (10 bytes)	Direct-access volumes only. This field is not used for tape volumes and should be recorded as blanks.
Reserved (10 bytes)	Reserved for future use - should be recorded as blanks.
Owner Name and Address Code(10 bytes)	Indicates a specific customer, person, installation, department, etc., to which the volume belongs. Any code or name is acceptable.
Reserved (29 bytes)	Reserved for future use - should be recorded as blanks.

10.8 The IBM Standard Dataset Label 1 Format (HDR1, EOV1, EOF1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for dataset label 1.

Dataset Identifier (17 bytes)	The rightmost 17 bytes of the dataset name (includes GnnnnVnn if the dataset is part of a generation data group). If the dataset name is less than 17 bytes, it is left-justified and the remainder of this field is padded with blanks.
Dataset Serial Number (6 bytes)	The volume serial number of the tape volume containing the dataset. For multi-volume datasets, this field contains the serial number of the first volume of the aggregate created at the same time. The serial number can be any 6 alphanumeric characters, normally numeric (000001-999999). If the number of characters is fewer than 6 characters, the code must be left-justified and followed by blanks.
Volume Sequence Number (4 bytes)	A number (0001-9999) that indicates the order of volume within the multi-volume group created at the same time. This number is always 0001 for a single volume dataset.
Dataset Sequence Number (4 bytes)	A number (0001-9999) that indicates the relative position of the dataset within a multi-dataset group. This number is always 0001 for a single dataset organization.
Generation Number (4 bytes)	If the dataset is part of a generation data group, this field contains a number from 0001 to 9999 indicating the absolute generation number (the first generation is recorded as 0001). If the dataset is not part of a generation data group, this field contains blanks.
Version Number Of Generation (2 bytes)	If the dataset is part of a generation data group, this field a number from 00 to 99 indicating the version number of the generation (the first version is recorded as 00). If the dataset is not part of a generation data group, this field contains blanks.
Creation Date (6 bytes)	Year and day of the year when the dataset was created. The date is shown in the format byyddd where: b = blank yy = year(00-99) ddd = day(001-366)
Expiration Date (6 bytes)	Year and day of the year when the dataset may be scratched or overwritten. The data is shown in the format byyddd where: b = blank yy = year (00-99) ddd = day (001-366)
Dataset Security (1 byte)	A code number indicating the security status of the dataset is as follows: 0 No password protection 1 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined) 3 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined).

Block Count (6 bytes)	This field in the trailer label shows the number of data blocks in the dataset on the current volume. This field in the header label is always zeros (000000).
System Code (13 bytes)	Unique code that identifies the system.
Reserved (7 bytes)	Reserved for future use - should be recorded as blanks.

10.9 The IBM Standard Dataset Label 2 Format (HDR2, EOV2, EOF2) always follows dataset label 1 and contains additional information about the associated dataset as described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are as follows: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 2 for dataset label 2.
Record Format (1 byte)	An alphabetic character that indicates the format of records in the associated dataset as follows: F Fixed length V Variable length U Undefined length.
Block Length (5 bytes)	A number up to 32760 that indicates the block length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Block length (must be a multiple of the logical record length in Field 5) Format V - Maximum block length (including the 4 byte length indicator in the block) Format U - Maximum block length.
Record Length (5 bytes)	A number that indicates the record length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Logical record length Format V - Maximum logical record length (including the 4 byte length indicator in the records) Format U - Zeros.

Tape Density (1 byte)	A code indicating the record density of the tape, as follows: Recording Density DEN Value 9-Track Tape 3 1600 (PE) 4 6250 (GCR) PE - is for phase encoded mode GCR - is for group coded recording mode.
Dataset Position (1 byte)	A code, indicating a volume switch, is as follows: 0 - No volume switch has occurred 1 - A volume switch previously occurred.
Job/Job Step (17 bytes)	Identification of the job and job step that created the dataset. The first 8 bytes contain the name of the job, the ninth byte is a slash (/), and the final 8 bytes contain the name of the job step.
Tape Recording Technique (2 bytes)	A code or blanks indicating the tape recording technique used. This field is recorded as blanks for 9-track tape. The only technique available for 9-track tape is odd parity and no translation.
Control Characters (1 byte)	A code indicating whether a control character set was used to create the dataset and the type of control characters used: A Contains ASCII control characters M Contains machine control characters b Contains no control characters.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
Block Attribute (1 byte)	A code indicating the block attribute used to create the dataset: B Blocked records S Spanned records R Blocked and spanned records b No blocked and no spanned records.
Reserved (8 bytes)	Bytes 40-42 - reserved for future use -should be blanks. Bytes 43-47 - (3420 tape units only) serial number of creating tape unit. Blank for other units.
Checkpoint Dataset (1 byte)	In VS2-Release 2, this byte contains the identifier character C if the dataset is a checkpoint dataset; the byte is blank if the dataset is not a check point dataset or in other releases of the VS systems.
Reserved (32 bytes)	Reserved for future use - should be recorded as blanks.

10. Testing Requirements

10.1. Within thirty (30) days of the execution of this Agreement, BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format (i.e. CRIS, CABS or SECAB) for testing to ensure that bills can be processed and that bills comply with the requirements of this Attachment. After receipt of the test data from BellSouth AT&T

will notify BellSouth if the connectivity billing transmission meets AT&T's testing specifications. If the transmission fails to meet AT&T's testing specifications, BellSouth shall make the necessary corrections. At least three (3) sets of testing data must meet AT&T's testing specifications prior to BellSouth sending AT&T a mechanized production connectivity bill for the first time via electronic transmission or tape. Thereafter, BellSouth may begin sending AT&T mechanized production connectivity bills on the next Bill Date, or within ten (10) days, whichever is later.

10.2. At least 30 days prior to changing mechanized formats (e.g., from SECAB to CABS), BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format for testing to ensure that the bills can be processed and that the bills comply with the requirements of this Attachment. BellSouth agrees that it will not send AT&T bill data in the new mechanized format until such bill data has met the testing specifications as set forth in this subsection.

10.3. BellSouth shall provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, BellSouth's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or prior to a change in BellSouth's originating or state level company code.

10.4. During the testing period, BellSouth shall transmit to AT&T Connectivity Billing data and information via paper transmission. Test tapes shall be sent to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30302 Attn: Access Bill Testing Coordinator

11. Additional Requirements

11.1. BellSouth agrees that if it transmits data to AT&T in a mechanized format, BellSouth will also comply with the following specifications which are not contained in CABS or SECAB guidelines but which are necessary for AT&T to process Connectivity Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Connectivity Bill must contain at least one detail record.

- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.

11.2. For those Connectivity Charges billed in a mechanized format and in accordance with SECAB's format, BellSouth agrees to comply with the additional requirement set forth below if applicable:

- All data denoted as IC preference is required.
- When the Company Code is not a State Level Company Code, the State Identification should be the state from which charges were incurred.
- The SECAB Inventory and Rating Record Information for a Connectivity Bill will be provided monthly.
- In a multiple state or multiple Exchange Carrier (EC) environment, the STATE IDENTIFICATION on the Face Page (SCFAC1) Record should be populated with XX. This indicates the amounts on Summary Page 1-3 (SCSUM1, SCSUM2 and SCSUM3) Records represent the sum of multiple Summary Pages 4 and 5 (SCSUM4 and SCSUM5) Records.
- The mechanized records should be sent in the following sequence. (All records have been denoted, however they should be sent only when the production of the record is applicable as described in the SECAB document.)

RECORD

SCFILE
SCHEAD
SCFAC1
SCFAC2
SCFAC3
SCFAC4
SCSUM1
SCSUM2
SCSUM3
SCDSS1

SCSUM4 NOTE: GROUP BY COMPANY - SCSUM4, SCSUM5,

	SCSUM5		SCDSS2;
SCSUM4,			
	SCDSS2		SCSUM5,
SCDSS2; etc...			
	SCADJ1		
	SCOCC1		
	SCUSG1		
	SCFCTR		
	SCSURG		
	SCTAX1		
	SCCKTL		
	SCSPC1	NOTE:	GROUP BY
CIRCUIT CHARGE -			
	SCSPC2		SCSPC1,
SCSPC2, SCSPC3;			
	SCSPC3		SCSPC1,
SCSPC2, SCSPC3,			
			etc...
	SCEND1		
	SCEND2		

12. Bill Accuracy Certification

The Parties agree that in order to ensure the proper performance and integrity of the entire Connectivity Billing process, BellSouth will be responsible and accountable for transmitting to AT&T an accurate and current bill. ~~BellSouth agrees to implement control mechanisms and procedures to render a bill that accurately reflects the Elements, Combination and Local Services ordered and used by AT&T. Accordingly, AT&T and BellSouth agree to work diligently and in good faith to develop a pre-bill certification process by December 31, 1996 for Connectivity Bills rendered pursuant to this Agreement~~ AT&T's resale billing account will be held to the same quality controls and measurements as BellSouth's end user accounts. Further evaluation of necessary measurements may be appropriate once all processes are in place. CABS billing will be subject to the current processes with the exception of billing guarantee.

13. Payment Of Charges

13.1. Subject to the terms of this Agreement, AT&T and BellSouth will pay each other within thirty (30) calendar days from the Bill Date, or twenty (20) calendar days from the receipt of the bill, whichever is

later. If the payment due date is a Sunday or is a Monday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made the next business day. If the payment due date is a Saturday or is on a Tuesday, Wednesday, Thursday or Friday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made on the preceding business day.

13.2. Payments shall be made in U.S. Dollars via electronic funds transfer ("EFT") to the other party's bank account. At least thirty (30) days prior to the first transmission of Connectivity Billing data and information for payment, BellSouth and AT&T shall provide each other the name and address of its bank, its account and routing number and to whom Connectivity Billing payments should be made payable. If such banking information changes, each party shall provide the other party at least sixty (60) days written notice of the change and such notice shall include the new banking information. The parties will render payment via EFT. AT&T will provide BellSouth with one address to which such payments shall be rendered and BellSouth will provide to AT&T with only one address to which such payments shall be rendered. In the event AT&T receives multiple Connectivity Bills from BellSouth which are payable on the same date, AT&T may remit one payment for the sum of all Connectivity Bills payable to BellSouth's bank account specified in this subsection. Each party shall provide the other party with a contact person for the handling of Connectivity Billing payment questions or problems.

14. Billing Disputes

14.1. Each party agrees to notify the other party upon the discovery of a billing dispute. In the event of a billing dispute, the parties will endeavor to resolve the dispute within sixty (60) calendar days of the Bill Date on which such disputed charges appear. Resolution of the dispute is expected to occur at the first level of management resulting in a recommendation for settlement of the dispute and, in the case of a CABS bill, closure of a specific billing period. The parties shall replicate the bill closure procedures set forth in the Access Billing Supplier Quality Certification Operating Agreement for CABS billing. An escalation process will be established for the CRIS resale bill. Closure of a specific billing period will occur by joint agreement of the parties whereby the parties agree that such billing period is closed to any further analysis and financial transactions, except those resulting from an Audit as described in Section 11 of the General Section of this Agreement. Closure will take place within three (3) months of the Bill Date. The month being closed represents those Connectivity Charges that were billed or should have been billed by the respective Bill Date.

If the issues are not resolved within the allotted time frame, the following resolution procedure will begin:

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

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

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

14.1.4.If the dispute is not resolved within one hundred and fifty (150) days of the Bill Date, the dispute will be resolved in accordance with the procedures set forth in the Section 16 of the General Section of this Agreement and Attachment 1.

14.2. If a party disputes a Connectivity Charge and does not pay such charge by the payment due date, such charges shall be subject to late payment charges as set forth in the Late Payment Charges provision of this Attachment. If a party disputes Connectivity Charges and the dispute is resolved in favor of such party, the other party shall credit the Connectivity Bill of the disputing party for the amount of the disputed charges along with any late payment charges assessed no later than the second Bill Date after the resolution of the dispute. Accordingly, if a party disputes Connectivity Charges and the dispute is resolved in favor of the other party, the disputing party shall pay the other party the amount of the disputed charges and any associated late payment charges assessed no later than the second bill payment due date after the resolution of the dispute. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

15. Late Payment Charges

If either party fails to remit payment for any Connectivity Charges described in this Attachment by the payment due date, or if a payment or any portion of a payment is received by either party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other party, then a late payment penalty shall be assessed. The late payment charge shall be calculated based ~~on the portion of the payment not received by the payment date times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that payment is actually made. In no event, however, shall interest be assessed on any previously assessed late payment charges.~~ on the

appropriate tariff of the state in which the billing account resides for resale and on the provisions in the access tariff for access items.

16. Adjustments

Subject to the terms of this Attachment, BellSouth will reimburse AT&T for incorrect Connectivity Billing charges; overcharges; Local Services Elements, or any Combination thereof, ordered or requested but not delivered; interrupted Local Services associated with any Element, or combination thereof; ordered or requested; Local Services, Elements, or Combination thereof, of poor quality; and installation problems if caused by BellSouth. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards for access billing.

17. Recording Of Call Information

17.1. The parties agree to record call information in accordance with this subsection. To the extent technically feasible, each party will record and process ~~all~~ usage sensitive call detail information associated with every call originated or terminated to the other party's local exchange customer. ~~The parties agree that they will record call detail information if technically feasible even if such certain records or call detail information has not been recorded in the past. These~~ The call records for he charged number shall be provided at a party's request and shall be formatted pursuant to Bellcore standards and the terms and conditions of this Agreement. These records shall be transmitted to the other party daily in EMR format via Connect:Direct, provided however that if AT&T and BellSouth do not have Connect:Direct capabilities, such records shall be transmitted as the parties agree. BellSouth and AT&T agree that they will retain, at each party's sole expense, copies of all AMA records transmitted to the other party for at least seven (7) calendar days after transmission to the other party.

17.2. Each party will provide the other party with a carrier identification code ("CIC") on each EMR record transmitted to the other party. If BellSouth does not have a CIC for any local exchange carrier, BellSouth or IXC for whom BellSouth must supply to AT&T Connectivity Billing records or information pursuant to this Attachment, BellSouth agrees that it will assist the local exchange carrier, BellSouth or IC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, BellSouth agrees that it will submit its CIC to AT&T on those records for billing and payment. BellSouth further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier. Likewise, if AT&T does not have a CIC for any local exchange carrier, BellSouth or IXC for whom AT&T must supply to BellSouth Connectivity Billing records or information pursuant to this Attachment, AT&T agrees that it will assist the local exchange carrier,

BellSouth or IXC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, AT&T agrees that it will submit its CIC to BellSouth on those records for billing and payment. AT&T further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier.

~~17.3. The parties agree that it will meet the following performance measurements for the provision of EMR records:~~

~~17.2.1.Timeliness: Of the total number of records recorded each day, 99% of all such records should be received within five (5) calendar days of their recording. Of the total number of records recorded each day, 100% of all such records should be received within ten (10) calendar days of their recording.~~

~~17.2.1.Accuracy: There should be no more than 60 errors per one (1) million records transmitted.~~

~~17.2.1.Completeness: There should be no more than 20 omissions per one (1) million records.~~ Further evaluation of the appropriate measurements will be made once all processes are in place.

17.3. The parties agree that they will provide each other a single person to contact regarding any data exchange problems.

18. Examination Of Records

~~Without waiver of and in addition to the Audit rights in the General part of this Agreement, upon reasonable notice and at reasonable times and in accordance with the Access Billing Supplier Quality Certification Operating Agreement, AT&T or its authorized representatives may examine BellSouth's documents, systems, records and procedures which relate to the billing and recording of the Connectivity Charges to AT&T under this Attachment 6.~~ The current examination process for CABS billing will be applicable to the access billing relative to this agreement. Records for the resale bill will be provided as outlined in Section 11 of the General Agreement.

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PROVISION OF CUSTOMER USAGE DATA

1. Introduction

1.1 This Attachment sets forth the terms and conditions for BellSouth's provision of Recorded Usage Data (as defined in this Attachment) to AT&T. Recorded Usage Data may ~~shall~~ be provided by BellSouth to AT&T when AT&T purchases Network Elements, Combinations, or Local Services from BellSouth.

2. General Requirements for Recorded Usage Data

2.1 BellSouth shall provide AT&T with Recorded Usage Data in accordance with this Attachment.

~~2.2 BellSouth's provision of Recorded Usage Data to AT&T shall be in accordance with AT&T's Direct Measures of Quality (DMOQs) set forth in Appendix I of this Attachment.~~

2.3 BellSouth shall retain Recorded Usage Data in accordance with applicable law and regulation.

3. Usage Data Specifications

3.1 BellSouth will record all usage originating from AT&T Customers using BellSouth-provided Element or Local Services. Recorded Usage Data includes, but is not limited to, the following categories of information:

- ~~Call Attempts~~
- Completed Calls where BellSouth records such calls for its own service offerings
- ~~Use Of CLASS/LASS/Custom Features~~
- Calls To Information Providers Reached Via BellSouth Facilities And Contracted By BellSouth
- Calls To Directory Assistance Where BellSouth Provides Such Service To An AT&T Customer
- Calls Completed Via BellSouth-Provided Operator Services Where BellSouth Provides Such Service To AT&T's Local Service Customer
- For BellSouth-Provided Centrex Service, Station Level Detail
- Records Shall Include Complete Call Detail And Complete Timing Information
- ~~Recording Of Completed Calls Which BellSouth Does Not Record For Its Own Service Offerings (e.g., Flat Rate Free Calling Area Service)~~

Volume 1	Volume label
HDR1 and HDR2	Data set header labels
EOV1 and EOV2	Data set trailer labels (end-of-volume for multi-reel files)
EOF1 and EOF2	Data set trailer labels (end-of-data-set)

The HDR1, EOV1, and EOF1 labels use the same format and the HDR2, EOV2, and EOF2 labels use the same format.

10.7 The Standard Volume Label Format (Vol. 1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	The characters "VOL" identify this label as a volume label.
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for the IBM standard volume label.
Volume Serial Number (6 bytes)	A unique identification code, normally numeric characters (000001-999999), but may be alpha-numeric; if fewer than 6 characters, must be left-justified. This same code should also appear on the external (flat) surface of the volume for visual identification.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
VTOC Pointer (10 bytes)	Direct-access volumes only. This field is not used for tape volumes and should be recorded as blanks.
Reserved (10 bytes)	Reserved for future use - should be recorded as blanks.
Owner Name and Address Code(10 bytes)	Indicates a specific customer, person, installation, department, etc., to which the volume belongs. Any code or name is acceptable.
Reserved (29 bytes)	Reserved for future use - should be recorded as blanks.

10.8 The IBM Standard Dataset Label 1 Format (HDR1, EOV1, EOF1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for dataset label 1.

Dataset Identifier (17 bytes)	The rightmost 17 bytes of the dataset name (includes GnnnnVnn if the dataset is part of a generation data group). If the dataset name is less than 17 bytes, it is left-justified and the remainder of this field is padded with blanks.
Dataset Serial Number (6 bytes)	The volume serial number of the tape volume containing the dataset. For multi-volume datasets, this field contains the serial number of the first volume of the aggregate created at the same time. The serial number can be any 6 alphanumeric characters, normally numeric (000001-999999). If the number of characters is fewer than 6 characters, the code must be left-justified and followed by blanks.
Volume Sequence Number (4 bytes)	A number (0001-9999) that indicates the order of volume within the multi-volume group created at the same time. This number is always 0001 for a single volume dataset.
Dataset Sequence Number (4 bytes)	A number (0001-9999) that indicates the relative position of the dataset within a multi-dataset group. This number is always 0001 for a single dataset organization.
Generation Number (4 bytes)	If the dataset is part of a generation data group, this field contains a number from 0001 to 9999 indicating the absolute generation number (the first generation is recorded as 0001). If the dataset is not part of a generation data group, this field contains blanks.
Version Number Of Generation (2 bytes)	If the dataset is part of a generation data group, this field a number from 00 to 99 indicating the version number of the generation (the first version is recorded as 00). If the dataset is not part of a generation data group, this field contains blanks.
Creation Date (6 bytes)	Year and day of the year when the dataset was created. The date is shown in the format byyddd where: b = blank yy = year(00-99) ddd = day(001-366)
Expiration Date (6 bytes)	Year and day of the year when the dataset may be scratched or overwritten. The data is shown in the format byyddd where: b = blank yy = year (00-99) ddd = day (001-366)
Dataset Security (1 byte)	A code number indicating the security status of the dataset is as follows: 0 No password protection 1 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined) 3 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined).

Block Count (6 bytes)	This field in the trailer label shows the number of data blocks in the dataset on the current volume. This field in the header label is always zeros (000000).
System Code (13 bytes)	Unique code that identifies the system.
Reserved (7 bytes)	Reserved for future use - should be recorded as blanks.

10.9 The IBM Standard Dataset Label 2 Format (HDR2, EOV2, EOF2) always follows dataset label 1 and contains additional information about the associated dataset as described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are as follows: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 2, for dataset label 2.
Record Format (1 byte)	An alphabetic character that indicates the format of records in the associated dataset as follows: F Fixed length V Variable length U Undefined length.
Block Length (5 bytes)	A number up to 32760 that indicates the block length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Block length (must be a multiple of the logical record length in Field 5) Format V - Maximum block length (including the 4 byte length indicator in the block) Format U - Maximum block length.
Record Length (5 bytes)	A number that indicates the record length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Logical record length Format V - Maximum logical record length (including the 4 byte length indicator in the records) Format U - Zeros.

Tape Density (1 byte)	A code indicating the record density of the tape, as follows: Recording Density DEN Value 9-Track Tape 3 1600 (PE) 4 6250 (GCR) PE - is for phase encoded mode GCR - is for group coded recording mode.
Dataset Position (1 byte)	A code, indicating a volume switch, is as follows: 0 - No volume switch has occurred 1 - A volume switch previously occurred.
Job/Job Step (17 bytes)	Identification of the job and job step that created the dataset. The first 8 bytes contain the name of the job, the ninth byte is a slash (/), and the final 8 bytes contain the name of the job step.
Tape Recording Technique (2 bytes)	A code or blanks indicating the tape recording technique used. This field is recorded as blanks for 9-track tape. The only technique available for 9-track tape is odd parity and no translation.
Control Characters (1 byte)	A code indicating whether a control character set was used to create the dataset and the type of control characters used: A Contains ASCII control characters M Contains machine control characters b Contains no control characters.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
Block Attribute (1 byte)	A code indicating the block attribute used to create the dataset: B Blocked records S Spanned records R Blocked and spanned records b No blocked and no spanned records.
Reserved (8 bytes)	Bytes 40-42 - reserved for future use -should be blanks. Bytes 43-47 - (3420 tape units only) serial number of creating tape unit. Blank for other units.
Checkpoint Dataset (1 byte)	In VS2-Release 2, this byte contains the identifier character C if the dataset is a checkpoint dataset; the byte is blank if the dataset is not a check point dataset or in other releases of the VS systems.
Reserved (32 bytes)	Reserved for future use - should be recorded as blanks.

10. Testing Requirements

10.1. Within thirty (30) days of the execution of this Agreement, BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format (i.e. CRIS, CABS or SECAB) for testing to ensure that bills can be processed and that bills comply with the requirements of this Attachment. After receipt of the test data from BellSouth AT&T

will notify BellSouth if the connectivity billing transmission meets AT&T's testing specifications. If the transmission fails to meet AT&T's testing specifications, BellSouth shall make the necessary corrections. At least three (3) sets of testing data must meet AT&T's testing specifications prior to BellSouth sending AT&T a mechanized production connectivity bill for the first time via electronic transmission or tape. Thereafter, BellSouth may begin sending AT&T mechanized production connectivity bills on the next Bill Date, or within ten (10) days, whichever is later.

10.2. At least 30 days prior to changing mechanized formats (e.g., from SECAB to CABS), BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format for testing to ensure that the bills can be processed and that the bills comply with the requirements of this Attachment. BellSouth agrees that it will not send AT&T bill data in the new mechanized format until such bill data has met the testing specifications as set forth in this subsection.

10.3. BellSouth shall provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, BellSouth's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or prior to a change in BellSouth's originating or state level company code.

10.4. During the testing period, BellSouth shall transmit to AT&T Connectivity Billing data and information via paper transmission. Test tapes shall be sent to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30302 Attn: Access Bill Testing Coordinator

11. Additional Requirements

11.1. BellSouth agrees that if it transmits data to AT&T in a mechanized format, BellSouth will also comply with the following specifications which are not contained in CABS or SECAB guidelines but which are necessary for AT&T to process Connectivity Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Connectivity Bill must contain at least one detail record.

- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.

11.2. For those Connectivity Charges billed in a mechanized format and in accordance with SECAB's format, BellSouth agrees to comply with the additional requirement set forth below if applicable:

- All data denoted as IC preference is required.
- When the Company Code is not a State Level Company Code, the State Identification should be the state from which charges were incurred.
- The SECAB Inventory and Rating Record Information for a Connectivity Bill will be provided monthly.
- In a multiple state or multiple Exchange Carrier (EC) environment, the STATE IDENTIFICATION on the Face Page (SCFAC1) Record should be populated with XX. This indicates the amounts on Summary Page 1-3 (SCSUM1, SCSUM2 and SCSUM3) Records represent the sum of multiple Summary Pages 4 and 5 (SCSUM4 and SCSUM5) Records.
- The mechanized records should be sent in the following sequence. (All records have been denoted, however they should be sent only when the production of the record is applicable as described in the SECAB document.)

RECORD

SCFILE
SCHEAD
SCFAC1
SCFAC2
SCFAC3
SCFAC4
SCSUM1
SCSUM2
SCSUM3
SCDSS1

SCSUM4 NOTE: GROUP BY COMPANY - SCSUM4, SCSUM5,

	SCSUM5		SCDSS2;
SCSUM4,			
	SCDSS2		SCSUM5,
SCDSS2; etc...			
	SCADJ1		
	SCOCC1		
	SCUSG1		
	SCFCTR		
	SCSURG		
	SCTAX1		
	SCCKTL		
	SCSPC1	NOTE:	GROUP BY
CIRCUIT CHARGE -			
	SCSPC2		SCSPC1,
SCSPC2, SCSPC3;			
	SCSPC3		SCSPC1,
SCSPC2, SCSPC3,			
			etc...
	SCEND1		
	SCEND2		

12. Bill Accuracy Certification

The Parties agree that in order to ensure the proper performance and integrity of the entire Connectivity Billing process, BellSouth will be responsible and accountable for transmitting to AT&T an accurate and current bill. ~~BellSouth agrees to implement control mechanisms and procedures to render a bill that accurately reflects the Elements, Combination and Local Services ordered and used by AT&T. Accordingly, AT&T and BellSouth agree to work diligently and in good faith to develop a pre-bill certification process by December 31, 1996 for Connectivity Bills rendered pursuant to this Agreement~~ AT&T's resale billing account will be held to the same quality controls and measurements as BellSouth's end user accounts. Further evaluation of necessary measurements may be appropriate once all processes are in place. CABS billing will be subject to the current processes with the exception of billing guarantee.

13. Payment Of Charges

13.1. Subject to the terms of this Agreement, AT&T and BellSouth will pay each other within thirty (30) calendar days from the Bill Date, or twenty (20) calendar days from the receipt of the bill, whichever is

later. If the payment due date is a Sunday or is a Monday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made the next business day. If the payment due date is a Saturday or is on a Tuesday, Wednesday, Thursday or Friday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made on the preceding business day.

13.2. Payments shall be made in U.S. Dollars via electronic funds transfer ("EFT") to the other party's bank account. At least thirty (30) days prior to the first transmission of Connectivity Billing data and information for payment, BellSouth and AT&T shall provide each other the name and address of its bank, its account and routing number and to whom Connectivity Billing payments should be made payable. If such banking information changes, each party shall provide the other party at least sixty (60) days written notice of the change and such notice shall include the new banking information. The parties will render payment via EFT. AT&T will provide BellSouth with one address to which such payments shall be rendered and BellSouth will provide to AT&T with only one address to which such payments shall be rendered. In the event AT&T receives multiple Connectivity Bills from BellSouth which are payable on the same date, AT&T may remit one payment for the sum of all Connectivity Bills payable to BellSouth's bank account specified in this subsection. Each party shall provide the other party with a contact person for the handling of Connectivity Billing payment questions or problems.

14. **Billing Disputes**

14.1. Each party agrees to notify the other party upon the discovery of a billing dispute. In the event of a billing dispute, the parties will endeavor to resolve the dispute within sixty (60) calendar days of the Bill Date on which such disputed charges appear. Resolution of the dispute is expected to occur at the first level of management resulting in a recommendation for settlement of the dispute and, in the case of a CABS bill, closure of a specific billing period. The parties shall replicate the bill closure procedures set forth in the Access Billing Supplier Quality Certification Operating Agreement for CABS billing. An escalation process will be established for the CRIS resale bill. Closure of a specific billing period will occur by joint agreement of the parties whereby the parties agree that such billing period is closed to any further analysis and financial transactions, except those resulting from an Audit as described in Section 11 of the General Section of this Agreement. Closure will take place within three (3) months of the Bill Date. The month being closed represents those Connectivity Charges that were billed or should have been billed by the respective Bill Date.

If the issues are not resolved within the allotted time frame, the following resolution procedure will begin:

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

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

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

14.1.4.If the dispute is not resolved within one hundred and fifty (150) days of the Bill Date, the dispute will be resolved in accordance with the procedures set forth in the Section 16 of the General Section of this Agreement and Attachment 1.

14.2. If a party disputes a Connectivity Charge and does not pay such charge by the payment due date, such charges shall be subject to late payment charges as set forth in the Late Payment Charges provision of this Attachment. If a party disputes Connectivity Charges and the dispute is resolved in favor of such party, the other party shall credit the Connectivity Bill of the disputing party for the amount of the disputed charges along with any late payment charges assessed no later than the second Bill Date after the resolution of the dispute. Accordingly, if a party disputes Connectivity Charges and the dispute is resolved in favor of the other party, the disputing party shall pay the other party the amount of the disputed charges and any associated late payment charges assessed no later than the second bill payment due date after the resolution of the dispute. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

15. Late Payment Charges

If either party fails to remit payment for any Connectivity Charges described in this Attachment by the payment due date, or if a payment or any portion of a payment is received by either party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other party, then a late payment penalty shall be assessed. The late payment charge shall be calculated based ~~on the portion of the payment not received by the payment date times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that payment is actually made. In no event, however, shall interest be assessed on any previously assessed late payment charges.~~ on the

appropriate tariff of the state in which the billing account resides for resale and on the provisions in the access tariff for access items.

16. Adjustments

Subject to the terms of this Attachment, BellSouth will reimburse AT&T for incorrect Connectivity Billing charges; overcharges; Local Services Elements, or any Combination thereof, ordered or requested but not delivered; interrupted Local Services associated with any Element, or combination thereof; ordered or requested; Local Services, Elements, or Combination thereof, of poor quality; and installation problems if caused by BellSouth. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards for access billing.

17. Recording Of Call Information

17.1. The parties agree to record call information in accordance with this subsection. To the extent technically feasible, each party will record and process ~~all~~ usage sensitive call detail information associated with every call originated or terminated to the other party's local exchange customer. ~~The parties agree that they will record call detail information if technically feasible even if such certain records or call detail information has not been recorded in the past. These~~ The call records for he charged number shall be provided at a party's request and shall be formatted pursuant to Bellcore standards and the terms and conditions of this Agreement. These records shall be transmitted to the other party daily in EMR format via Connect:Direct, provided however that if AT&T and BellSouth do not have Connect:Direct capabilities, such records shall be transmitted as the parties agree. BellSouth and AT&T agree that they will retain, at each party's sole expense, copies of all AMA records transmitted to the other party for at least seven (7) calendar days after transmission to the other party.

17.2. Each party will provide the other party with a carrier identification code ("CIC") on each EMR record transmitted to the other party. If BellSouth does not have a CIC for any local exchange carrier, BellSouth or IXC for whom BellSouth must supply to AT&T Connectivity Billing records or information pursuant to this Attachment, BellSouth agrees that it will assist the local exchange carrier, BellSouth or IC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, BellSouth agrees that it will submit its CIC to AT&T on those records for billing and payment. BellSouth further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier. Likewise, if AT&T does not have a CIC for any local exchange carrier, BellSouth or IXC for whom AT&T must supply to BellSouth Connectivity Billing records or information pursuant to this Attachment, AT&T agrees that it will assist the local exchange carrier,

BellSouth or IXC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, AT&T agrees that it will submit its CIC to BellSouth on those records for billing and payment. AT&T further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier.

~~17.3. The parties agree that it will meet the following performance measurements for the provision of EMR records:~~

~~17.2.1.Timeliness: Of the total number of records recorded each day, 99% of all such records should be received within five (5) calendar days of their recording. Of the total number of records recorded each day, 100% of all such records should be received within ten (10) calendar days of their recording.~~

~~17.2.1.Accuracy: There should be no more than 60 errors per one (1) million records transmitted.~~

~~17.2.1.Completeness: There should be no more than 20 omissions per one (1) million records.~~ Further evaluation of the appropriate measurements will be made once all processes are in place.

17.3. The parties agree that they will provide each other a single person to contact regarding any data exchange problems.

18. Examination Of Records

~~Without waiver of and in addition to the Audit rights in the General part of this Agreement, upon reasonable notice and at reasonable times and in accordance with the Access Billing Supplier Quality Certification Operating Agreement, AT&T or its authorized representatives may examine BellSouth's documents, systems, records and procedures which relate to the billing and recording of the Connectivity Charges to AT&T under this Attachment 6.~~ The current examination process for CABS billing will be applicable to the access billing relative to this agreement. Records for the resale bill will be provided as outlined in Section 11 of the General Agreement.

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CONNECTIVITY BILLING AND RECORDING

1. General

This Section describes the requirements for BellSouth to bill and record all charges AT&T incurs for purchasing Local Services for resale and for Network Elements and Combinations, ~~and to provide Meet Point Billing and Mutual Compensation.~~ and to provide Meet Point Billing and Mutual Compensation.

2. Billable Information And Charges

2.1. BellSouth will bill and record in accordance with this Agreement those combinations charges AT&T incurs as a result of AT&T purchasing from BellSouth Network Elements, Combinations, and Local Services, as set forth in this Agreement (hereinafter "Connectivity Charges"). ~~BellSouth will format each bill for Connectivity Charges (hereinafter "Connectivity Bill") in accordance with CABS or SECAB as appropriate. Each such Network Element, Combination, or Local Service, purchased by AT&T shall be assigned a separate and unique billing code in the form agreed to by the parties and such code shall be provided to AT&T on each Connectivity Bill in which charges for such Elements, Combinations, or Local Services appear. Each such billing code shall enable AT&T to identify the Element(s), or Combinations, Objects and Options as described in the Provisioning Attachment to this Agreement ordered by AT&T, or Local Services ordered or utilized by AT&T in which Connectivity Charges apply pursuant to this Agreement.~~ BellSouth will bill any access charges, including unbundled loops, through CABS. Resale billing and unbundled ports will be billed through CRIS/CLUB Summary with the transfer account arrangement. Each Connectivity Bill shall set forth the quantity and description of each such Network Element, Combination, or Local Service provided and billed to AT&T. All Connectivity Charges billed to AT&T ~~must~~ will indicate the state from which such charges were incurred except in cross boundary situations. A listing of the current cross boundary exchanges has been provided to AT&T.

2.1.1. ~~BellSouth may provide to AT&T Connectivity Bills formatted utilizing CRIS/CLUB standards for those Local Services purchased by AT&T from BellSouth through resale until not later than one (1) year after the execution of this Agreement or the adoption by the OBF of formatting standards governing the billing of connectivity charges for Local Services, whichever is earlier, provided however that such bills meet AT&T's requirements as outlined in this document. Prior to the execution of this Agreement, BellSouth was provided AT&T's specifications and requirements that will enable AT&T to process and analyze Connectivity Bills formatted utilizing~~

~~CRIS/CLUB standards. BellSouth agrees that it will also meet those specifications and requirements upon the execution of this Agreement.~~

2.1.1. Once industry standards for resale are defined, BellSouth will work with AT&T and other resale customers to determine what billing is appropriate for this market at that time.

2.2. BellSouth shall provide AT&T a monthly Connectivity Bill that includes all Connectivity Charges incurred by and credits and/or adjustments due to AT&T for those Network Elements, Combination thereof, or Local Services ordered, established, utilized, discontinued or performed pursuant to this Agreement. Each Connectivity Bill provided by BellSouth to AT&T shall include: (1) all non-usage sensitive charges incurred for the period beginning with the day after the current bill date and extending to, and including, the next bill date; (2) any known unbilled non-usage sensitive charges for prior periods; (3) unbilled usage sensitive charges for the period beginning with the last bill date and extending ~~up to, but not including,~~ through the current bill date; (4) any known unbilled usage sensitive charges for prior periods, and (5) any known unbilled adjustments.

2.3. The Bill Date, as defined herein, must be present on each bill transmitted by BellSouth to AT&T, must be a valid calendar date, and not more than one (1) year old. Connectivity Bills shall not be rendered for any Connectivity Charges which are incurred under this Agreement on or before one (1) year preceding the Bill Date, except as otherwise permitted by law. In addition, on each bill where "Jurisdiction" is identified, local and local toll charges shall be identified as "Local" and not as interstate, interstate/ interrelate, intrastate, or intrastate/intraLATA. BellSouth will provide from and through dates for charges rendered on all Connectivity Bills. In addition, BellSouth will separately identify business charges from residence charges, as appropriate.

2.4. BellSouth shall bill AT&T for each Network Element, combination thereof, or Local Service, supplied by BellSouth to AT&T pursuant to this Agreement at the rates set forth in this Agreement. BellSouth will bill AT&T based on the actual Connectivity Charges incurred, provided, however, for those usage based Connectivity Charges where actual charge information is not determinable by BellSouth because the jurisdiction (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the parties will jointly develop a process to determine the appropriate charges. Measurement of usage-based Connectivity Charges shall be in actual conversation seconds. The total conversation seconds per chargeable traffic types will be totaled for the entire monthly bill cycle and then rounded to the next whole minute.

2.5. ~~Except as otherwise specified in this Agreement, each party shall be responsible for (1) all costs and expenses it incurs in complying with its obligations under this Agreement and (2) the development, modification, technical installation and maintenance of any systems or other infrastructure which it requires to comply with and to continue complying with its responsibilities and obligations under this Agreement.~~

2.5. Each party shall provide the other party at no additional charge a contact person for the handling of any Connectivity Billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Attachment. Billing questions subsequent to implementation will be directed through the Local Carrier Service Center (LCSC) for resale billing and through the Interexchange Carrier Service Center (ICSC) for CABS related issues.

3. **Meet Point Billing**

3.1. Where appropriate for unbundled network elements, AT&T and BellSouth will establish meet-point billing ("MPB") arrangements in accordance with the Meet Point Billing guidelines adopted by and contained in the OBF's MECAB and MECOD documents, except as modified herein. Both parties will use their best reasonable efforts, individually and collectively, to maintain provisions in their respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association ("NECA") Tariff No. 4, or any successor tariff to reflect the MPB arrangements identified in this Agreement, in MECAB and in MECOD.

3.2. AT&T and BellSouth will implement the "Multiple Bill/Multiple Tariff" option in order to bill any interexchange carrier ("IXC") for that portion of the network elements provided by AT&T or BellSouth. For all traffic carried over the MPB arrangement, AT&T and BellSouth shall bill each other all applicable elements at the rates specified in this Agreement.

3.3. BellSouth shall provide to AT&T the billing name, billing address, and carrier identification code ("CIC") of the IXCs that may utilize any portion of AT&T's network in an AT&T/BellSouth MPB arrangement in order to comply with the MPB Notification process as outlined in the MECAB document. Such information shall be provided to AT&T in the format and via the medium that the parties agree. If BellSouth does not have a CIC for any IXC that will utilize a portion of AT&T's network in an AT&T/BellSouth MPB arrangement, and for whom BellSouth must supply to AT&T MPB billing information, BellSouth agrees that it will assist such carrier in obtaining a CIC expeditiously. Until such carrier has obtained a CIC, BellSouth will submit BellSouth's CIC on those MPB records provided to AT&T for MPB. BellSouth understands and agrees that it will be solely

responsible for obtaining any reimbursements from those carriers who have utilized the jointly provided networks of BellSouth and AT&T.

3.4. BellSouth and AT&T agree that in an MPB arrangement where one party provides local transport and the other party provides the end office switching, the party who provides the end office switching is entitled to bill any residual interconnection charges ("RIC") and common carrier line ("CCL") charges associated with the traffic. The parties further agree that in those MPB situations where one party sub-tends the other party's access tandem, the party providing the access tandem is only entitled to bill the access tandem fee and any associated local transport charges. The parties also agree that the party who provides the end office switching is entitled to bill end office switching fees, local transport charges, RIC and CCL charges, as appropriate, and such other applicable charges.

3.5. BellSouth and AT&T will record and transmit MPB information in accordance with the standards and in the format set forth in this Attachment. BellSouth and AT&T will coordinate and exchange the billing account reference ("BAR") and billing account cross reference ("BACR") numbers for the MPB arrangements described in this Agreement. Each party will notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

~~3.6. If MPB data is not processed and delivered by either BellSouth or AT&T and sent to the other party within ten (10) days of their recording and in turn such party is unable to bill the IXC for the appropriate charges, the party who failed to deliver the data will be held liable for the amount of the unbillable charges.~~ When the SBC (subsequent billing company) is the recording company, they should provide the IBC (initial billing company) the detail billing records on a weekly basis (within 5 days). If the IBC is the recording company, detail billing record exchange is not necessary. The IBC should provide the SBC the summary billing records within 10 days from the IBC bill date.

~~3.6. If MPB data is not submitted within ten (10) days of their recording or is not in the proper format as set forth in this Agreement, and if as a result the other party is delayed in billing the IXC for the appropriate charges it incurs, the delaying party shall pay the other party a late MPB data delivery charge which will be the total amount of the delayed charges times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date the MPB charges should have been received to and including the date the MPB charge information is actually received.~~

3.6. Errors in MPB data exchanged by the parties may be discovered by AT&T, BellSouth or the billable IXC. Both AT&T and

BellSouth agree to provide the other party with notification of any discovered errors within two (2) business days of the discovery. The other party shall correct the error within eight (8) business days of notification and resubmit the data. In the event the errors cannot be corrected within the time period specified above, the erroneous data shall be considered lost. If MPB data is lost due to incorrectable errors or otherwise, the parties shall follow the procedures set forth in the Customer Billing Data Attachment of this Agreement and compensate the other for the lost MPB billing data.

3.7. In the event AT&T purchases from BellSouth Network Elements, or Combination thereof, in a LATA other than the LATA to or from which the MPB services are homed and in which BellSouth operates an access tandem, BellSouth shall, except in instances of capacity limitations, permit and enable AT&T to sub-tend the BellSouth access tandem switch(es) nearest to the AT&T rating point(s) associated with the NPA-NXX(s) to/from which the MPB services are homed. In instances of capacity limitation at a given access tandem switch, AT&T shall be allowed to sub-tend the next-nearest BellSouth access tandem switch in which sufficient capacity is available. The MPB percentages for each new rating point/access tandem pair shall be calculated in accordance with MECAB and MECOD.

3.8. Neither AT&T nor BellSouth will charge the other for the services rendered, or for information provided pursuant to Section 4 of this Attachment except those MPB charges specifically set forth herein. Both parties will provide the other a single point of contact to handle any MPB questions.

4. Collocation

When AT&T collocates with BellSouth in BellSouth's facility as described in this Agreement, capital expenditures (e.g., costs associated with building the "cage"), shall not be included in the Connectivity Bill provided to AT&T pursuant to this Attachment. All such capital expenses shall be given a unique BAN (as defined in Section 7, below) and invoice number. All invoices for capital expenses shall be sent to the location specified by AT&T for payment. All other non-capital recurring collocation expenses shall be billed to AT&T in accordance with this Agreement. The CABS Billing Output Specifications ("BOS") documents provide the guidelines on how to bill the Connectivity Charges associated with collocation. The bill label for those collocation charges shall be entitled "Expanded Interconnection Service." For those nonmechanized connectivity bills formatted according to SECAB, the bill label for non-capital recurring collocation expenses shall be entitled "Collocation."

5. Mutual Compensation

5.1. The parties shall bill each other reciprocal compensation in accordance with the standards set forth in this Agreement for Local Traffic terminated to the other party's customer, where both such

customers bear NPA-NXX designations associated with the same LATA or other authorized area (e.g., extended area service zones in adjacent LATAs). Such Local Traffic shall be recorded and transmitted to AT&T in accordance with this Attachment. Further, the Local Traffic exchanged pursuant to this Attachment shall be measured in billing minutes of use and shall be in actual conversation seconds. The total conversation seconds per chargeable traffic type will be totaled for the entire monthly billing cycle and then rounded to the next whole conversation minute. Reciprocal compensation for the termination of this Local Traffic shall be in accordance with in Part IV to this Agreement.

6. Local Number Portability

6.1. ~~In accordance with the terms and conditions set forth in this Attachment 6, BellSouth shall record and provide to AT&T all detail information associated with a call to an AT&T local exchange customer whose telephone number has been ported from BellSouth under INP as further described in the Local Number Portability Attachment to this Agreement.~~

6.1. When an IXC terminates an interLATA or IntraLATA toll call to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that AT&T shall receive those IXC access charges associated with end office switching, local transport, RIC and CCL, as appropriate, and such other applicable charges. BellSouth shall be entitled only to receive any access tandem fees and associated local transport charges, and any INP fees (i.e., such as RCF charges) set forth in this Agreement. When a call for which access charges are not applicable is terminated to an AT&T local exchange customer whose telephone number has been ported from BellSouth, the parties agree that the mutual compensation arrangements described in this Agreement shall apply.

7. Issuance of Connectivity Bills - General

7.1. BellSouth and AT&T will issue all Connectivity Bills in accordance with the terms and conditions set forth in this Section. BellSouth and AT&T will establish monthly billing dates ("Bill Date") for each Billing Account Number ("BAN~~"), as further defined in the CABS/SECAB documents.~~ On Connectivity Bills BellSouth renders to AT&T, BANs shall be 13 character alpha/numeric and there shall only be one BAN per Revenue Accounting Office ("RAO"). The Bill Date shall be the same day month to month for all BANs, except that the 4th, 7th or 13th of each month will not be used as a Connectivity Bill Date for Connectivity Bills BellSouth renders to AT&T. Each BAN shall remain constant from month to month, unless changed as agreed to by the parties. Each party shall provide the other party at least thirty (30) calendar days written notice prior to changing, adding or deleting a BAN. The parties will provide one Connectivity Billing invoice associated with each BAN. Each CABS invoice must contain an invoice number (which will vary from month to month). Bill date is the only varying invoice number available on the Resale billl. On each bill associated with a BAN, the appropriate invoice number and the charges contained on such invoice must be reflected. All Connectivity Bills must be received by the other party no later than ten (10) calendar days from Bill Date and at least twenty (20) calendar days prior to the payment due date (as described in this Attachment), whichever is earlier. Any Connectivity Bill received on a Saturday, Sunday or a day designated as a holiday by the Chase Manhattan

Bank of New York (or such other bank as AT&T shall specify) will be deemed received the next business day. If either party fails to receive Connectivity Billing data and information within the time period specified above, the payment due date will be extended by the number of

7.2. BellSouth and AT&T shall issue all CABS Connectivity Bills containing such billing data and information in accordance with CABS Version 26.0 or SECAB Issue 4, or such later versions of CABS or SECAB as are published by Bellcore, or its successor, except that if the parties enter into a meet-point billing arrangement, such Connectivity Billing data and information shall also conform to the standards set forth in the MECAB document, or such later versions as are adopted by Bellcore, or its successor. To the extent that there are no CABS, SECAB, or MECAB standards governing the formatting of certain data, such data shall be issued in the format specified by AT&T. Notwithstanding the above, BellSouth may issue AT&T Resale and unbundled port Connectivity Bills in CRIS/CLUB format ~~as provided herein.days the Connectivity Bill is late.~~

7.3. ~~By no later than September 1, 1996~~Within 30 days of finalizing the chosen billing media, each party will provide the other party written notice of which Connectivity Bills are to be deemed the official bills to assist the parties in resolving any conflicts that may arise between the official bills and other bills received via a different media which purportedly contain the same charges as are on the official bill. If either party requests an additional copy(ies) of a bill, such party shall pay the other party a reasonable fee per additional bill copy, unless such copy was requested due to errors, omissions, or corrections or the failure of the transmission to comply with the specifications set forth in this Agreement.

7.3. When sending Connectivity Bills via electronic transmission, to avoid transmission failures or the receipt of Connectivity Billing information that cannot be processed, the parties shall provide each other with their respective process specifications. ~~AT&T shall comply with BellSouth's processing specifications when AT&T transmits Connectivity Billing data to BellSouth. BellSouth shall comply with AT&T's processing specifications when BellSouth transmits Connectivity Billing data to AT&T.~~ Both parties will work to comply with the processing specifications of each other. AT&T and BellSouth shall provide each other reasonable notice if a Connectivity Billing transmission is received that does not meet such party's specifications or that such party cannot process. Such transmission shall be corrected and resubmitted to the other party, at the resubmitting party's sole expense, in a form that can be processed. The payment due date for such resubmitted transmissions will be twenty (20) days

from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Attachment.

8. **Electronic Transmissions**

8.1. BellSouth and AT&T agree that each party will transmit Connectivity Billing information and data in the appropriate CABS or SECAB format electronically via Connect:Direct (formerly known as Network Data Mover) to the other party at the location specified by such party. The parties agree that a T1.5 or 56kb circuit to Gateway for Connect: Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If BellSouth has an established Connect: Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. BellSouth must provide AT&T/Alpharetta its Connect: Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect: Direct Node ID is "NDMATTA4" and VTAM APPL ID is "NDMATTA4" and must be included in BellSouth's Connect:Direct software. AT&T will supply to BellSouth its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either party's Connect: Direct Node ID must be sent to the other party no later than twenty-one (21) calendar days before the changes take effect.

8.2. The following dataset format shall be used as applicable for those connectivity charges transmitted via Connect:Direct in **CABS** format:

Production Dataset

AF25.AXXXXYYY.AZZZ.DDDEE	Production Dataset Name
AF25 =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	LEC Remote
AZZZ =	RAO (Revenue Accounting Office)
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)
EE =	01 thru 31 (Bill Period) (optional) or GA (US Postal-State Code)

Test Dataset

AF25.ATEST.AXXXX.DDD	Test Dataset Name
AF25.ATEST =	Job Naming Convention
AXXXX =	Numeric Company Code
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)

8.3. The following dataset format should be used as applicable for those connectivity charges transmitted via Connect:Direct in **SECAB** format.

Production Dataset

AFSC.AXXXXYYY.A000.SECAB	Production Dataset Name
AFSC =	Job Naming Convention
AXXXX =	Numeric Company Code
YYY =	Alpha Company Name

Test Dataset

AFSC.ATEST.XXXXXX.SECAB	Test Dataset Name
AFSC.ATEST =	Job Naming Convention
XXXXXX =	Numeric Company Code

9. Tape or Paper Transmissions

9.1. In the event either party does not have Connect:Direct capabilities upon the effective date of this Agreement, such party agrees to establish Connect:Direct transmission capabilities with the other party within the time period mutually agreed and at the ~~establishing party's~~ AT&T's expense. Until such time, the parties will transmit billing information to each other via magnetic tape or paper, as agreed to by AT&T and BellSouth. Connectivity billing information and data contained on magnetic tapes or paper for payment shall be sent to the parties at the following locations. The parties acknowledge that all tapes transmitted to the other party via U.S. Mail or Overnight

Delivery and which contain Connectivity Billing data will not be returned to the sending party.

TO AT&T:

Tape Transmissions via U.S. Mail:	AT&T 300 North Point Parkway FLOC 217M01 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Tape Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

Paper Transmissions via U.S. Mail:	AT&T Caller Service 6908 Alpharetta, Georgia 30202 Attn: Access Bill Coordinator
Paper Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30302 Attn: Access Bill Coordinator

TO BellSouth:

Tape Transmissions:	Attn:
Paper Transmissions:	Attn:

10.2 Each party will adhere to the tape packaging requirements set forth in this subsection. Where magnetic tape shipping containers are transported in freight compartments, adequate magnetic field protection shall be provided by keeping a

typical 6-inch distance from any magnetic field generating device (except a magnetron-tape device). The parties agree that they will only use those shipping containers that contain internal insulation to prevent damage. Each party will clearly mark on the outside of each shipping container its name, contact and return address. Each party further agrees that it will not ship any Connectivity Billing tapes in tape canisters.

10.3 All billing data transmitted via tape must be provided on a cartridge (cassette) tape and must be of high quality, conform to the parties' record and label standards, 9-track, odd parity, 6250 BPI, group coded recording mode and extended binary-coded decimal interchange code ("EBCDIC"). Each reel of tape must be 100% tested at 20% or better "clipping" level with full width certification and permanent error free at final inspection. AT&T reserves the right to destroy a tape that has been determined to have unrecoverable errors. AT&T also reserves the right to replace a tape with one of equal or better quality.

10.4 Billing data tapes shall have the following record and label standards. The dataset serial number on the first header record of an IBM standard tape label also shall have the following format.

	CABS BOS	SECAB
Record Length	225 bytes (fixed length)	250 bytes (fixed length
Blocking factor	84 records per block	Not Applicable
Block size	18,900 bytes per block	Not Applicable
Labels	Standard IBM Operating System	Standard IBM Operating System

10.5 A single 6-digit serial number must appear on the external (flat) surface of the tape for visual identification. This number shall also appear in the "dataset serial number field" of the first header record of the IBM standard tape label. This serial number shall consist of the character "V" followed by the reporting location's four digit Originating Company Code and a numeric character chosen by the sending company. The external and internal label shall be the same. The dataset name shall appear on the flat side of the reel and also in the "data set name field" on the first header record of the IBM standard tape label. BellSouth's name, address, and contact shall appear on the flat side of the cartridge or reel.

10.6 Tape labels shall conform to IBM OS/VS Operating System Standards contained in the IBM Standard Labels Manual (GC26-3795-3). IBM standard labels are 80-character records recorded in EBCDIC, odd parity. The first four characters identify the labels:

Volume 1	Volume label
HDR1 and HDR2	Data set header labels
EOV1 and EOV2	Data set trailer labels (end-of-volume for multi-reel files)
EOF1 and EOF2	Data set trailer labels (end-of-data-set)

The HDR1, EOV1, and EOF1 labels use the same format and the HDR2, EOV2, and EOF2 labels use the same format.

10.7 The Standard Volume Label Format (Vol. 1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	The characters "VOL" identify this label as a volume label.
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for the IBM standard volume label.
Volume Serial Number (6 bytes)	A unique identification code, normally numeric characters (000001-999999), but may be alpha-numeric; if fewer than 6 characters, must be left-justified. This same code should also appear on the external (flat) surface of the volume for visual identification.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
VTOC Pointer (10 bytes)	Direct-access volumes only. This field is not used for tape volumes and should be recorded as blanks.
Reserved (10 bytes)	Reserved for future use - should be recorded as blanks.
Owner Name and Address Code(10 bytes)	Indicates a specific customer, person, installation, department, etc., to which the volume belongs. Any code or name is acceptable.
Reserved (29 bytes)	Reserved for future use - should be recorded as blanks.

10.8 The IBM Standard Dataset Label 1 Format (HDR1, EOV1, EOF1) is described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 1 for dataset label 1.

Dataset Identifier (17 bytes)	The rightmost 17 bytes of the dataset name (includes GnnnnVnn if the dataset is part of a generation data group). If the dataset name is less than 17 bytes, it is left-justified and the remainder of this field is padded with blanks.
Dataset Serial Number (6 bytes)	The volume serial number of the tape volume containing the dataset. For multi-volume datasets, this field contains the serial number of the first volume of the aggregate created at the same time. The serial number can be any 6 alphanumeric characters, normally numeric (000001-999999). If the number of characters is fewer than 6 characters, the code must be left-justified and followed by blanks.
Volume Sequence Number (4 bytes)	A number (0001-9999) that indicates the order of volume within the multi-volume group created at the same time. This number is always 0001 for a single volume dataset.
Dataset Sequence Number (4 bytes)	A number (0001-9999) that indicates the relative position of the dataset within a multi-dataset group. This number is always 0001 for a single dataset organization.
Generation Number (4 bytes)	If the dataset is part of a generation data group, this field contains a number from 0001 to 9999 indicating the absolute generation number (the first generation is recorded as 0001). If the dataset is not part of a generation data group, this field contains blanks.
Version Number Of Generation (2 bytes)	If the dataset is part of a generation data group, this field a number from 00 to 99 indicating the version number of the generation (the first version is recorded as 00). If the dataset is not part of a generation data group, this field contains blanks.
Creation Date (6 bytes)	Year and day of the year when the dataset was created. The date is shown in the format byyddd where: b = blank yy = year(00-99) ddd = day(001-366)
Expiration Date (6 bytes)	Year and day of the year when the dataset may be scratched or overwritten. The data is shown in the format byyddd where: b = blank yy = year (00-99) ddd = day (001-366)
Dataset Security (1 byte)	A code number indicating the security status of the dataset is as follows: 0 No password protection 1 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined) 3 Password protection Additional identification of the dataset is required before it can be read, written, or deleted (ignored if volume is RACF-defined).

Block Count (6 bytes)	This field in the trailer label shows the number of data blocks in the dataset on the current volume. This field in the header label is always zeros (000000).
System Code (13 bytes)	Unique code that identifies the system.
Reserved (7 bytes)	Reserved for future use - should be recorded as blanks.

10.9 The IBM Standard Dataset Label 2 Format (HDR2, EOV2, EOF2) always follows dataset label 1 and contains additional information about the associated dataset as described below:

FIELD NAME	CONTENTS
Label Identifier (3 bytes)	Three characters that identify the label are as follows: HDR Header label (at the beginning of a dataset) EOV Trailer label (at the end of a tape volume, when the dataset continues on another volume) EOF Trailer label (at the end of a dataset).
Label Number (1 byte)	The relative position of this label within a set of labels of the same type; it is always a 2 for dataset label 2.
Record Format (1 byte)	An alphabetic character that indicates the format of records in the associated dataset as follows: F Fixed length V Variable length U Undefined length.
Block Length (5 bytes)	A number up to 32760 that indicates the block length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Block length (must be a multiple of the logical record length in Field 5) Format V - Maximum block length (including the 4 byte length indicator in the block) Format U - Maximum block length.
Record Length (5 bytes)	A number that indicates the record length, in bytes. Interpretation of the number depends on the following associated record format in Field 3: Format F - Logical record length Format V - Maximum logical record length (including the 4 byte length indicator in the records) Format U - Zeros.

Tape Density (1 byte)	A code indicating the record density of the tape, as follows: Recording Density DEN Value 9-Track Tape 3 1600 (PE) 4 6250 (GCR) PE - is for phase encoded mode GCR - is for group coded recording mode.
Dataset Position (1 byte)	A code, indicating a volume switch, is as follows: 0 - No volume switch has occurred 1 - A volume switch previously occurred.
Job/Job Step (17 bytes)	Identification of the job and job step that created the dataset. The first 8 bytes contain the name of the job, the ninth byte is a slash (/), and the final 8 bytes contain the name of the job step.
Tape Recording Technique (2 bytes)	A code or blanks indicating the tape recording technique used. This field is recorded as blanks for 9-track tape. The only technique available for 9-track tape is odd parity and no translation.
Control Characters (1 byte)	A code indicating whether a control character set was used to create the dataset and the type of control characters used: A Contains ASCII control characters M Contains machine control characters b Contains no control characters.
Reserved (1 byte)	Reserved for future use - should be recorded as blanks.
Block Attribute (1 byte)	A code indicating the block attribute used to create the dataset: B Blocked records S Spanned records R Blocked and spanned records b No blocked and no spanned records.
Reserved (8 bytes)	Bytes 40-42 - reserved for future use -should be blanks. Bytes 43-47 - (3420 tape units only) serial number of creating tape unit. Blank for other units.
Checkpoint Dataset (1 byte)	In VS2-Release 2, this byte contains the identifier character C if the dataset is a checkpoint dataset; the byte is blank if the dataset is not a check point dataset or in other releases of the VS systems.
Reserved (32 bytes)	Reserved for future use - should be recorded as blanks.

10. Testing Requirements

10.1. Within thirty (30) days of the execution of this Agreement, BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format (i.e. CRIS, CABS or SECAB) for testing to ensure that bills can be processed and that bills comply with the requirements of this Attachment. After receipt of the test data from BellSouth AT&T

will notify BellSouth if the connectivity billing transmission meets AT&T's testing specifications. If the transmission fails to meet AT&T's testing specifications, BellSouth shall make the necessary corrections. At least three (3) sets of testing data must meet AT&T's testing specifications prior to BellSouth sending AT&T a mechanized production connectivity bill for the first time via electronic transmission or tape. Thereafter, BellSouth may begin sending AT&T mechanized production connectivity bills on the next Bill Date, or within ten (10) days, whichever is later.

10.2. At least 30 days prior to changing mechanized formats (e.g., from SECAB to CABS), BellSouth shall send to AT&T connectivity bill data in the appropriate mechanized format for testing to ensure that the bills can be processed and that the bills comply with the requirements of this Attachment. BellSouth agrees that it will not send AT&T bill data in the new mechanized format until such bill data has met the testing specifications as set forth in this subsection.

10.3. BellSouth shall provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, BellSouth's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or prior to a change in BellSouth's originating or state level company code.

10.4. During the testing period, BellSouth shall transmit to AT&T Connectivity Billing data and information via paper transmission. Test tapes shall be sent to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30302 Attn: Access Bill Testing Coordinator

11. Additional Requirements

11.1. BellSouth agrees that if it transmits data to AT&T in a mechanized format, BellSouth will also comply with the following specifications which are not contained in CABS or SECAB guidelines but which are necessary for AT&T to process Connectivity Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Connectivity Bill must contain at least one detail record.

- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.

11.2. For those Connectivity Charges billed in a mechanized format and in accordance with SECAB's format, BellSouth agrees to comply with the additional requirement set forth below if applicable:

- All data denoted as IC preference is required.
- When the Company Code is not a State Level Company Code, the State Identification should be the state from which charges were incurred.
- The SECAB Inventory and Rating Record Information for a Connectivity Bill will be provided monthly.
- In a multiple state or multiple Exchange Carrier (EC) environment, the STATE IDENTIFICATION on the Face Page (SCFAC1) Record should be populated with XX. This indicates the amounts on Summary Page 1-3 (SCSUM1, SCSUM2 and SCSUM3) Records represent the sum of multiple Summary Pages 4 and 5 (SCSUM4 and SCSUM5) Records.
- The mechanized records should be sent in the following sequence. (All records have been denoted, however they should be sent only when the production of the record is applicable as described in the SECAB document.)

RECORD

SCFILE
SCHEAD
SCFAC1
SCFAC2
SCFAC3
SCFAC4
SCSUM1
SCSUM2
SCSUM3
SCDSS1

SCSUM4 NOTE: GROUP BY COMPANY - SCSUM4, SCSUM5,

	SCSUM5		SCDSS2;
SCSUM4,			
	SCDSS2		SCSUM5,
SCDSS2; etc...			
	SCADJ1		
	SCOCC1		
	SCUSG1		
	SCFCTR		
	SCSURG		
	SCTAX1		
	SCCKTL		
	SCSPC1	NOTE:	GROUP BY
CIRCUIT CHARGE -			
	SCSPC2		SCSPC1,
SCSPC2, SCSPC3;			
	SCSPC3		SCSPC1,
SCSPC2, SCSPC3,			
			etc...
	SCEND1		
	SCEND2		

12. Bill Accuracy Certification

The Parties agree that in order to ensure the proper performance and integrity of the entire Connectivity Billing process, BellSouth will be responsible and accountable for transmitting to AT&T an accurate and current bill. ~~BellSouth agrees to implement control mechanisms and procedures to render a bill that accurately reflects the Elements, Combination and Local Services ordered and used by AT&T. Accordingly, AT&T and BellSouth agree to work diligently and in good faith to develop a pre-bill certification process by December 31, 1996 for Connectivity Bills rendered pursuant to this Agreement~~ AT&T's resale billing account will be held to the same quality controls and measurements as BellSouth's end user accounts. Further evaluation of necessary measurements may be appropriate once all processes are in place. CABS billing will be subject to the current processes with the exception of billing guarantee.

13. Payment Of Charges

13.1. Subject to the terms of this Agreement, AT&T and BellSouth will pay each other within thirty (30) calendar days from the Bill Date, or twenty (20) calendar days from the receipt of the bill, whichever is

later. If the payment due date is a Sunday or is a Monday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made the next business day. If the payment due date is a Saturday or is on a Tuesday, Wednesday, Thursday or Friday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as AT&T specifies), payment will be made on the preceding business day.

13.2. Payments shall be made in U.S. Dollars via electronic funds transfer ("EFT") to the other party's bank account. At least thirty (30) days prior to the first transmission of Connectivity Billing data and information for payment, BellSouth and AT&T shall provide each other the name and address of its bank, its account and routing number and to whom Connectivity Billing payments should be made payable. If such banking information changes, each party shall provide the other party at least sixty (60) days written notice of the change and such notice shall include the new banking information. The parties will render payment via EFT. AT&T will provide BellSouth with one address to which such payments shall be rendered and BellSouth will provide to AT&T with only one address to which such payments shall be rendered. In the event AT&T receives multiple Connectivity Bills from BellSouth which are payable on the same date, AT&T may remit one payment for the sum of all Connectivity Bills payable to BellSouth's bank account specified in this subsection. Each party shall provide the other party with a contact person for the handling of Connectivity Billing payment questions or problems.

14. **Billing Disputes**

14.1. Each party agrees to notify the other party upon the discovery of a billing dispute. In the event of a billing dispute, the parties will endeavor to resolve the dispute within sixty (60) calendar days of the Bill Date on which such disputed charges appear. Resolution of the dispute is expected to occur at the first level of management resulting in a recommendation for settlement of the dispute and, in the case of a CABS bill, closure of a specific billing period. The parties shall replicate the bill closure procedures set forth in the Access Billing Supplier Quality Certification Operating Agreement for CABS billing. An escalation process will be established for the CRIS resale bill. Closure of a specific billing period will occur by joint agreement of the parties whereby the parties agree that such billing period is closed to any further analysis and financial transactions, except those resulting from an Audit as described in Section 11 of the General Section of this Agreement. Closure will take place within three (3) months of the Bill Date. The month being closed represents those Connectivity Charges that were billed or should have been billed by the respective Bill Date.

If the issues are not resolved within the allotted time frame, the following resolution procedure will begin:

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

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

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

14.1.4.If the dispute is not resolved within one hundred and fifty (150) days of the Bill Date, the dispute will be resolved in accordance with the procedures set forth in the Section 16 of the General Section of this Agreement and Attachment 1.

14.2. If a party disputes a Connectivity Charge and does not pay such charge by the payment due date, such charges shall be subject to late payment charges as set forth in the Late Payment Charges provision of this Attachment. If a party disputes Connectivity Charges and the dispute is resolved in favor of such party, the other party shall credit the Connectivity Bill of the disputing party for the amount of the disputed charges along with any late payment charges assessed no later than the second Bill Date after the resolution of the dispute. Accordingly, if a party disputes Connectivity Charges and the dispute is resolved in favor of the other party, the disputing party shall pay the other party the amount of the disputed charges and any associated late payment charges assessed no later than the second bill payment due date after the resolution of the dispute. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

15. Late Payment Charges

If either party fails to remit payment for any Connectivity Charges described in this Attachment by the payment due date, or if a payment or any portion of a payment is received by either party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other party, then a late payment penalty shall be assessed. The late payment charge shall be calculated based ~~on the portion of the payment not received by the payment date times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that payment is actually made. In no event, however, shall interest be assessed on any previously assessed late payment charges.~~ on the

appropriate tariff of the state in which the billing account resides for resale and on the provisions in the access tariff for access items.

16. **Adjustments**

Subject to the terms of this Attachment, BellSouth will reimburse AT&T for incorrect Connectivity Billing charges; overcharges; Local Services Elements, or any Combination thereof, ordered or requested but not delivered; interrupted Local Services associated with any Element, or combination thereof; ordered or requested; Local Services, Elements, or Combination thereof, of poor quality; and installation problems if caused by BellSouth. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards for access billing.

17. **Recording Of Call Information**

17.1. The parties agree to record call information in accordance with this subsection. To the extent technically feasible, each party will record and process ~~all~~ usage sensitive call detail information associated with every call originated or terminated to the other party's local exchange customer. ~~The parties agree that they will record call detail information if technically feasible even if such certain records or call detail information has not been recorded in the past. These~~ The call records for he charged number shall be provided at a party's request and shall be formatted pursuant to Bellcore standards and the terms and conditions of this Agreement. These records shall be transmitted to the other party daily in EMR format via Connect:Direct, provided however that if AT&T and BellSouth do not have Connect:Direct capabilities, such records shall be transmitted as the parties agree. BellSouth and AT&T agree that they will retain, at each party's sole expense, copies of all AMA records transmitted to the other party for at least seven (7) calendar days after transmission to the other party.

17.2. Each party will provide the other party with a carrier identification code ("CIC") on each EMR record transmitted to the other party. If BellSouth does not have a CIC for any local exchange carrier, BellSouth or IXC for whom BellSouth must supply to AT&T Connectivity Billing records or information pursuant to this Attachment, BellSouth agrees that it will assist the local exchange carrier, BellSouth or IC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, BellSouth agrees that it will submit its CIC to AT&T on those records for billing and payment. BellSouth further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier. Likewise, if AT&T does not have a CIC for any local exchange carrier, BellSouth or IXC for whom AT&T must supply to BellSouth Connectivity Billing records or information pursuant to this Attachment, AT&T agrees that it will assist the local exchange carrier,

BellSouth or IXC in obtaining a CIC expeditiously. Until the local exchange carrier, BellSouth or IXC has received a CIC, AT&T agrees that it will submit its CIC to BellSouth on those records for billing and payment. AT&T further agrees that it will then be responsible for obtaining reimbursement for the respective charges from the appropriate carrier.

~~17.3. The parties agree that it will meet the following performance measurements for the provision of EMR records:~~

~~17.2.1.Timeliness: Of the total number of records recorded each day, 99% of all such records should be received within five (5) calendar days of their recording. Of the total number of records recorded each day, 100% of all such records should be received within ten (10) calendar days of their recording.~~

~~17.2.1.Accuracy: There should be no more than 60 errors per one (1) million records transmitted.~~

~~17.2.1.Completeness: There should be no more than 20 omissions per one (1) million records.~~ Further evaluation of the appropriate measurements will be made once all processes are in place.

17.3. The parties agree that they will provide each other a single person to contact regarding any data exchange problems.

18. Examination Of Records

~~Without waiver of and in addition to the Audit rights in the General part of this Agreement, upon reasonable notice and at reasonable times and in accordance with the Access Billing Supplier Quality Certification Operating Agreement, AT&T or its authorized representatives may examine BellSouth's documents, systems, records and procedures which relate to the billing and recording of the Connectivity Charges to AT&T under this Attachment 6.~~ The current examination process for CABS billing will be applicable to the access billing relative to this agreement. Records for the resale bill will be provided as outlined in Section 11 of the General Agreement.

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PROVISION OF CUSTOMER USAGE DATA

1. Introduction

1.1 This Attachment sets forth the terms and conditions for BellSouth's provision of Recorded Usage Data (as defined in this Attachment) to AT&T. Recorded Usage Data may ~~shall~~ be provided by BellSouth to AT&T when AT&T purchases Network Elements, Combinations, or Local Services from BellSouth.

2. General Requirements for Recorded Usage Data

2.1 BellSouth shall provide AT&T with Recorded Usage Data in accordance with this Attachment.

~~2.2 BellSouth's provision of Recorded Usage Data to AT&T shall be in accordance with AT&T's Direct Measures of Quality (DMOQs) set forth in Appendix I of this Attachment.~~

2.3 BellSouth shall retain Recorded Usage Data in accordance with applicable law and regulation.

3. Usage Data Specifications

3.1 BellSouth will record all usage originating from AT&T Customers using BellSouth-provided Element or Local Services. Recorded Usage Data includes, but is not limited to, the following categories of information:

- ~~Call Attempts~~
- Completed Calls where BellSouth records such calls for its own service offerings
- ~~Use Of CLASS/LASS/Custom Features~~
- Calls To Information Providers Reached Via BellSouth Facilities And Contracted By BellSouth
- Calls To Directory Assistance Where BellSouth Provides Such Service To An AT&T Customer
- Calls Completed Via BellSouth-Provided Operator Services Where BellSouth Provides Such Service To AT&T's Local Service Customer
- For BellSouth-Provided Centrex Service, Station Level Detail
- Records Shall Include Complete Call Detail And Complete Timing Information
- ~~Recording Of Completed Calls Which BellSouth Does Not Record For Its Own Service Offerings (e.g., Flat Rate Free Calling Area Service)~~

3.2 BellSouth shall provide to AT&T Recorded Usage Data for AT&T Customers only. BellSouth will not submit other carrier local usage data as part of the AT&T Recorded Usage Data.

3.3 Calls to Information Service Providers referenced in Section 3.1 preceding shall be provided to AT&T in rated format for billing to the customer. ~~BellSouth acknowledges and agrees that upon the execution of this Agreement BellSouth will continue to rate and bill Information Service Providers as in the normal manner prior to the execution of this Agreement until AT&T notifies BellSouth that AT&T is able to bill such calls to Information Service Providers in rated format.~~

~~3.4 The parties also agree to establish settlement procedures to permit AT&T to recourse to BellSouth amounts AT&T Customers refuse to pay for these rated information provider charges forwarded by BellSouth to AT&T for billing.~~

3.4 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

4. **Recorded Usage Data Format**

4.1 BellSouth will provide Recorded Usage Data in the EMR format and by category, group and record type, as specified in the AT&T Customer Usage Data Transfer Requirements, ("Data Requirements"), which is attached hereto and incorporated herein as Appendix II. BellSouth will provide the usage in accordance with BellCore EMR Standards.

4.2 BellSouth shall include the Working Telephone Number (WTN) of the call originator on each EMR call record.

4.3 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

5. **Recorded Usage Data Reporting Requirements**

5.1 BellSouth shall segregate and organize the Recorded Usage Data in accordance with AT&T's instructions.

5.2 BellSouth shall provide segregated Recorded Usage Data to multiple AT&T biller locations as designated by AT&T.

5.3 BellSouth~~, at no cost to AT&T,~~ shall transmit Data Requirements formatted Recorded Usage Data to AT&T via CONNECT:Direct as designated by AT&T. Charges shall apply on a per message basis as stipulated in the contract for

5.4 the OLEC Daily Usage File service offering.

5.5 AT&T will test and certify the CONNECT:Direct interface to ensure the accurate receipt of Recorded Usage Data. BellSouth shall make any changes necessary to pass the AT&T CONNECT:Direct certification process.

5.6 BellSouth shall provide Recorded Usage Data to AT&T on a schedule to be determined by the parties once a day ~~three hundred sixty-five (365) days a year,~~ for each regular business day, five days a week except holidays, as designated by AT&T. ~~BellSouth shall provide to AT&T the Recorded Usage Data not more than twenty-four (24) hours after termination of the call for which usage data is to be provided.~~

5.7 BellSouth will establish a single point of contact to respond to AT&T call usage, data error, and record transmission inquiries.

5.8 The Recorded Usage Data EMR format, content, and transmission process will be tested as specified by AT&T.

5.9 When requested by AT&T for security purposes, BellSouth shall provide AT&T with Recorded Usage Data within ~~two (2) hours of the call completion~~ a reaonable mutually agreed upon schedule. If not available in EMR format, the Recorded Usage Data may be provided in AMA format.

6. Recording Failures

6.1 **Loss of Recorded Usage Data** - AT&T Recorded Usage Data determined to have been lost, damaged or destroyed as a result of an error or omission by BellSouth in its performance of the recording function shall, upon AT&T's request, be recovered by BellSouth at no charge to AT&T. ~~In the event the data cannot be recovered by BellSouth, BellSouth shall estimate the messages and associated revenue, with assistance from AT&T, based upon the method described below. This method will be applied on a consistent basis, subject to modifications agreed to by BellSouth and AT&T. This estimate will be used to adjust amounts AT&T owes BellSouth for services BellSouth provides in conjunction with the provision of Recorded Usage Data.~~ Where unrecoverable errors prevent BellSouth from processing usage data, BellSouth will not bill charges to AT&T accounts.

6.1.1 **Partial Loss** - BellSouth shall review its daily controls to determine if data has been lost. ~~When there has been a partial loss, actual message and minute volumes shall be reported, if possible. Where actual data are not available, a full day shall be estimated for the recording entity, as outlined in Section 6.1.3 following. The amount of the partial loss is then determined by subtracting the data actually recorded for such day from the estimated total~~

~~for such day.~~ Again, where there has been a partial loss, BellSouth will not bill charges for such usage to any AT&T accounts.

~~6.1.2~~ ~~**Complete Loss** - Estimated message and minute volumes for each loss consisting of an entire AMA tape or entire data volume due to its loss prior to or during processing, lost after receipt, degaussed before processing, receipt of a blank or unreadable tape, or lost for other causes, shall be reported.~~

~~6.1.2~~ ~~**Estimated Volumes** - From message and minute volume reports for the entity experiencing the loss, BellSouth shall secure message/minute counts for the four (4) corresponding days of the weeks preceding that in which the loss occurred and compute an average of these volumes. BellSouth shall apply the appropriate average revenue per message ("arpm") provided by AT&T to the estimated message volume to arrive at the estimated lost revenue.~~

Exceptions:

~~6.1.1.1~~ ~~If the day of loss is not a holiday but one (1) (or more) of the preceding corresponding days is a holiday, use additional preceding weeks in order to procure volumes for two (2) non-holidays in the previous two (2) weeks that correspond to the day of the week that is the day of the loss.~~

~~6.1.1.1~~ ~~If the loss occurs on a weekday that is a holiday (except Christmas), BellSouth shall use volumes from the two (2) preceding Sundays.~~

~~6.1.1.1~~ ~~If the loss occurs on Mother's Day or Christmas, BellSouth shall use volumes from that day in the preceding year (if available).~~

6.2 AT&T may also request data be provided that has previously been successfully provided by BellSouth to AT&T. BellSouth shall reprovide such data, if available~~, at no additional charge to AT&T~~. Compensation for costs incurred by BellSouth in such circumstances shall be negotiated with AT&T.

7. **Charges**

BellSouth shall bill and AT&T shall pay the charges set forth in ~~Part IV for~~ the OLEC Daily Usage File contract for the service offering covering the Recorded Usage Data. Billing and payment shall be in accordance with the applicable terms and conditions set forth in this Agreement.

8. **Local Account Maintenance**

8.1 When AT&T purchases Local Service from BellSouth, and, as appropriate, when AT&T purchases certain Unbundled Network Elements, BellSouth shall

provide AT&T with Local Account Maintenance as described herein. These procedures are in addition to Service Order procedures set forth in Part I and Attachment 4 to the Agreement.

8.2 When notified by a CLEC that an AT&T Customer has switched to CLEC service, BellSouth shall provision the change, and notify AT&T via CONNECT:Direct ~~within twenty-four (24) hours of the provisioning~~ that the customer has changed to another service provider ("OUTPLOC").

8.3 When notified by AT&T that a customer has changed his/her PIC only from one interexchange carrier to another carrier, BellSouth shall provision the PIC only change and convey the confirmation of the PIC change via the work order completion feed.

~~8.4 If notified by an interexchange carrier using an '01' PIC order record that an AT&T Customer has changed his/her PIC only, BellSouth will reject the order and notify that interexchange carrier using an industry standard '3148' record with the Operating Company Number of the serving CLEC indicated, that an '01' CARE PIC record should be sent to the serving CLEC for processing~~

9. **Clearinghouse and Incollect/Outcollect Procedures [To Be Provided]**

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APPENDIX I
TO
ATTACHMENT 7

DMOQ'S FOR
PROVISION OF CUSTOMER USAGE DATA

1. **Switched Services**

BellSouth will provide all Recorded Usage Information detail in an accurate timely manner. The format and content is described in the current Bellcore EXCHANGE MESSAGE RECORD (EMR) document.

2. **File Transfer**

BellSouth will initiate and transmit all files error free and without loss of signal.

Metric:

Number of FILES Received
---------- X 100
Number of FILES Sent

~~Notes: All measurement will be a on a rolling period.~~

~~Measurement:~~

~~Rating Criteria~~
~~Exceeds Expectations 6+ months of file transfers without a failure.~~

~~Meets Expectations 6 months of file transfers without a failure.~~

~~Does Not Meet Expectations < 6 months of file transfers without failure.~~

~~** During the first six (6) months, no rating will be applied.~~

3. **Timeliness**

BellSouth will mechanically transmit, via CONNECT:Direct, all usage records to AT&T's Message Processing Center ~~three (3) times~~ once a day each business day excluding weekends and holidays.

~~Measurement:~~

~~Rating Criteria~~

~~Exceeds Expectations ≥ 99.95% records delivered on the day call was recorded~~

~~Meets Expectations= 99.94% of all messages delivered on the day the call was recorded~~

~~Approaches Expectations = 99.94% of all messages delivered within 12 hours of the day the call was recorded Does Not Meet Expectations <99.94% of all messages delivered within 12 hours of the day the call was recorded~~

4. **Completeness**

BellSouth will provide all required billable Recorded Usage Data and ensure that it is processed and transmitted within thirty (30) days of the message create date.

~~Metric:~~

~~Total number of Recorded Usage Data records delivered during current month minus Number of Usage Call Records held in error file at the end of the current month~~

~~X 100~~

~~Total number of Recorded Usage Data Records delivered during current month~~

~~Measurement:~~
~~Rating Criteria~~
~~Exceeds Expectations 100% of all recorded records delivered~~

~~Meets Expectations ≥ 99.99% of all recorded records delivered~~

~~Approaches Expectations 99.95% to 99.98% of recorded records delivered~~

~~Does Not Meet Expectations ≤ 99.94% of all recorded records delivered~~

~~Note: Failure of BellSouth to transmit to AT&T 100% of all recorded messages shall result in a liability by BellSouth to AT&T for the lost revenue.~~

5. **Accuracy**

BellSouth will provide Recorded Usage Data in the format and with the content as defined in the current Bellcore EMR document.

~~Metric:~~

~~Total Number of Recorded Usage Data Transmitted Correctly~~
~~Total Number of Recorded Usage Data Transmitted~~ ~~X 100~~

~~Measurement:~~
~~Rating Criteria~~
~~Exceeds Expectations 100% of all recorded records delivered~~

~~Meets Expectations ≥ 99.99% of all recorded records delivered~~

~~Approaches Expectations 99.95% to 99.98% of all recorded records delivered~~

~~Does Not Meet Expectations ≤ 99.94% of all recorded records delivered~~

6. **Data Packs**

BellSouth will transmit to AT&T all packs error free in the format agreed.

~~Measurement:~~

~~Rating Criteria~~
~~Exceeds Expectations 6+ months of Transmitted Packs without a rejected pack~~

~~Meets Expectations 6 months of Transmitted Packs without a rejected pack~~

~~Does Not Meet Expectations 1 Rejected Pack in a window of less than 3 months~~

~~** During the first six (6) months, No Rating will be applied.~~

~~Notes: All measurements will be on a Rolling Period.~~

7. **Recorded Usage Data Accuracy**

BellSouth will ensure that the Recorded Usage Data is transmitted to AT&T error free. The level of detail includes, but is not limited to: detail required to Rat~~e~~ing the call, Duration of the call, and Correct Originating/Terminating information pertaining to the call. The error is reported to BellSouth as a Modification Request (MR). ~~Performance is to be measured at 2 levels defined below. AT&T will identify the priority of the MR at the time of hand off as Severity 1 or Severity 2. The following are AT&T expectations of BellSouth for each:~~

~~Measurement:~~

~~Severity 1:~~
~~Rating Criteria~~
~~Exceeds Expectations 100% of the MR fixed in ≤ 24 hours~~

~~Meets Expectations ≥90% of the MR fixed in ≤24 hours and 100% of the MR fixed in ≤5 Days~~

~~Does Not Meet Expectations < 90% of the MR fixed in ≤24 hours or < 100% of the MR fixed in > 5 Days~~

~~Severity 2:~~
~~Rating Criteria~~
~~Exceeds Expectations 100% of the MR fixed in ≤3 working Days~~

~~Meets Expectations ≥90% of the MR fixed in 3 Days and 100% of the MR fixed in ≤10 Days~~

~~Does Not Meet Expectations < 90% of the MR fixed in ≤3 Days or <100 of the MR fixed in > 10 Days~~

8. **Usage Inquiry Responsiveness**

BellSouth will respond to all usage inquiries within twenty-four (24) hours of AT&T's request for information. It is AT&T's expectation to receive continuous status reports until the request for information is satisfied.
~~Measurements:~~

~~Rating Criteria~~
~~Meets Expectations 100% of the Inquires responded to within 24 hours~~
~~Does Not Meet Expectations ≤99.99% of the Inquiries responded to within 24 hours~~

9. **Dedicated Services**

Since dedicated services have no unique billing requirements for local service at this time, this is reserved for future use.

APPENDIX II
TO
ATTACHMENT 7

CUSTOMER USAGE DATA

TRANSFER REQUIREMENTS

SECTION I: SCOPE

1. **General**

This Appendix addresses the transmission by a BellSouth of AT&T Customer usage to AT&T.

2. **Usage Summary**

Messages will be transmitted, via a direct feed, to AT&T in standard EMR format.
The following is a list of EMR records that AT&T can expect to receive from BellSouth:

Header Record 20-20-01
Trailer Record 20-20-02
Detail Records* 01-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 33, 35, 37,80, 81, 82, 83
10-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 35, 37, 80, 81, 82, 83
Credit Records 03-01-XX
Rated Credits 41-01-XX
Cancel Records 51-01-XX
Correction Records 71-01-XX

*Category 01 is utilized for Rated Messages; Category 10 is utilized for Unrated Messages

In addition, BellSouth shall provide a 42-50-01 Miscellaneous Charge record to support the Special Features Star Services (see Subappendix F for specific details) if these features are part of BellSouth's offering.
For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 Appendix.

3. **Appendix Content**

This Appendix describes baseline requirements for the transfer of BellSouth recorded, unrated usage to AT&T. Testing requirements and the reports needed to ensure data integrity are also included. Additional requirements and implementation details may be identified for conditions unique to

BellSouth. Modifications and/or exceptions to this Appendix must be negotiated and mutually agreed upon by BellSouth and AT&T.

SECTION II: RECORDED USAGE TO BE TRANSMITTED TO AT&T

1. **General**

This section addresses the types of usage to be transmitted by BellSouth to AT&T.

2. **Usage To Be Transferred To AT&T**

2.1 **AT&T Usage To Be Transferred**

The following messages recorded by BellSouth are to be transmitted to AT&T. BellSouth recorded usage includes all usage by AT&T Customers.

NOTE: Rated in collect messages should be transmitted via the direct feed and can be intermingled with the unrated messages. No special packing is needed.
~~Subject to Subsection II.2.1.1, at the discretion of AT&T, any of the above mentioned messages that cannot be rated and/or billed by AT&T may be returned to BellSouth via a direct returns feed. Returned messages will be sent to BellSouth in EMR format. Standard EMR return codes will be utilized.~~

2.1.1 For the period beginning upon the execution of this Agreement through November 15, 1996, the parties agree that if any of the above mentioned messages cannot be rated and/or billed by AT&T, BellSouth will work diligently and in good faith with AT&T to determine the cause of the problem and will work to expeditiously resolve the defect. Upon the execution of this Agreement, BellSouth will provide AT&T with a contact name and number for the resolution of any problems that may arise under this subsection. The parties further agree that if the number of problems that occur are de miminus, the process described in this subsection may be extended for the time period agreed to by the parties.

2.2 File transfer specifications are included within Section III of this Appendix II.

3. **AT&T Usage**

The Recorded Usage Data in a local resale environment includes all

intraLATA toll and billable local usage. BellSouth will provide AT&T with unrated EMR records associated with all intraLATA toll and billable local usage which they record on AT&T's behalf. Received Collect usage will be provided in rated format intermingled with the unrated data. Any Category, Group and/or Record types approved in the future for BellSouth will be included if they fall within the definition of local service resale. AT&T shall be given notification of implementation of a new type within the negotiated timeframes.

NOTE: BellSouth messages will be packed using the packing criteria outlined in Section III. 4.8 of this Appendix. It is important to note that all BellSouth messages will be packed together (intermingled) based on the appropriate AT&T Send To/Bill To RAO combination. Specific categories, groups, and record types will not be packed separately.

SECTION III: BELLSOUTH TO AT&T USAGE FEED

1. General

This section contains the information required for BellSouth to transmit to AT&T the usage defined in this Appendix, Section II. This section specifically addresses the dataset requirements and processing.

2. Detailed EMR Record Edits

AT&T will perform detailed record edits on the unrated and rated messages upon receipt from BellSouth. ~~Messages that fail these edits may be returned to BellSouth as provided in this Appendix, Section II.2.1 and Section II.2.1.1;~~

3. Duplicate Record Checks

AT&T will perform record checks on the unrated and rated messages to validate that duplicate messages are not sent by BellSouth to AT&T.

4. BellSouth to AT&T Usage Feed

4.1 Usage Data Transport Requirements

BellSouth will provide the transport facility between BellSouth location and the AT&T location with appropriate charges to AT&T. It is AT&T's intent that usage data be transmitted via CONNECT:Direct whenever possible. In the event usage transfer cannot be accommodated by CONNECT:Direct because of extended (one (1) business day or longer) facility outages, or if facilities do not exist, BellSouth will contract for a courier service to transport the data via tape.

BellSouth will provide AT&T with contacts, and Remote Identifiers (IDs)~~, and expected usage data volumes for each sending location.~~ AT&T must provide volume forecasts based on anticipated market penetration.

AT&T will provide contacts responsible for:
Receiving usage transmitted by BellSouth.
Receiving usage tapes from a courier service in the event of a facility outage.

4.2 Physical Characteristics

Data transported to AT&T on tape or cartridge via a courier will have the physical characteristics indicated in Subappendix A. AT&T's intent is for variable block format (2,476 bytes) with a LRECL of 2472.

4.3 Data Delivery Schedules

Data will be delivered to AT&T by BellSouth daily (Monday through Friday) unless otherwise negotiated. AT&T and/or BellSouth Data Center holidays are excluded. BellSouth and AT&T will exchange schedules of designated Data Center holidays.

4.4 Resending Data

AT&T will notify BellSouth of resend requirements if a pack or entire dataset must be replaced due to pack rejection, damage in transit, dataset name failure, etc.

4.5 Pack Rejection

Critical edit failure on the Pack Header or Pack Trailer records will result in pack rejection (e.g., detail record count not equal to grand total included in the pack trailer). Notification of pack rejection will be made by AT&T within one (1) business day of processing. Rejected packs will be corrected by BellSouth and retransmitted to AT&T by BellSouth.

4.6 Held Packs And Messages

AT&T and BellSouth will track pack number to control input based upon invoice sequencing criteria. BellSouth will be notified of sequence failures identified by AT&T and resend procedures are to be invoked.

4.7 Data Content Requirements

EMR is the format to be used for usage data provided to AT&T.

4.8 RAO Packing Requirements

A pack shall contain a minimum of one message record or a maximum of 9,999 message records plus a pack header record and a pack trailer record. A file transmission contains a maximum of 99 packs. A dataset shall contain a minimum of one pack. BellSouth will provide AT&T one dataset per sending location, with the agreed upon RAO/OCN populated in the Header and Trailer records.

Within the Header and Trailer records, the FROM RAO identifies the location that will be sending usage to AT&T. BellSouth will populate the FROM RAO field with the unique numeric value identifying the location that is sending the data to AT&T. BellSouth will populate the Send To/Bill To RAO fields with the appropriate AT&T RAO values. Also, Pack Header and Trailer will have the OCN appropriately populated.

The FROM RAO, OCN, and Remote Identifiers will be used by AT&T to control invoice sequencing and each will have its own invoice controls. ~~The FROM RAO will also be used to determine where the message returns file, containing any misdirected and unguidable usage, will be sent.~~

The file's Record Format (RECFM) will be Variable Block (VB) Size 2,476 and the Logical Record Length (LRECL) will be 2,472 bytes. ~~Compaction requirements can be found in Subappendix B hereto.~~

AT&T has no special sort requirements for the packs sent by BellSouth.

4.9 Dataset Naming Convention

BellSouth will transmit the usage to AT&T using the following dataset naming conventions. The dataset name (DSN) will be partitioned into five nodes, separated by periods as follows:

NODE 1BB3PX*NN**
NODE 2.IBMUP
NODE 3 (To be determined during negotiations)
NODE 4.USAGE

NODE 5.G*NNNN*V* (Generational Dataset to be incremented by sender).
*The italicized "*N*" represents numeric fields determined during negotiations.

4.10 Control Reports

AT&T accepts input data provided by BellSouth in EMR format in accordance with the requirements and specifications detailed in this section of the

attachment. In order to ensure the overall integrity of the usage being transmitted from BellSouth to AT&T, data transfer control reports will be required. These reports shall be provided by AT&T to BellSouth on a daily or otherwise negotiated basis and reflect the results of the processing for each pack transmitted by BellSouth.

4.11 Message Validation Reports

AT&T will provide the following three (3) daily (or otherwise negotiated) Message Validation reports to the designated BellSouth System Control Coordinator. These reports will be provided for all data received within BellSouth Local Resale Feed and will be transmitted Monday through Friday whether or not there have been any files transmitted.

4.11.1 Message Validation Pack Reject Report (A7287)

This report provides information on packs rejected by AT&T. It lists the header and trailer record of each rejected pack and indicates the error codes and the associated error message which explains why the pack was rejected.

An example of the report and a list of Valid Error Codes and associated error messages are provided in Subappendix B hereto.

4.11.2 Message Validation Pack Accepted Report (A7288)

This report provides vital statistics and control totals by Record ID, Type of Service, Message Counts and Record Counts, for all valid, rejected and dropped messages. The information is provided in the following report formats and control levels:

1. BellSouth Total Messages
2. BellSouth Total Records
3. RAO Total Messages
4. RAO Total Records
5. Pack Total (Record Counts and Message Counts)

The first four report formats include percentages that indicate the relationship of the daily input volume by Record ID and Type of Record to the total input volume provided by an RAO and BellSouth.

An example of the report is provided in Subappendix C hereto.

4.11.3 Message Validation Detail Error Report (A7289)

An EMR detailed error report is generated for each pack/ invoice that is received and processed by AT&T. The report lists, in vertical format, the complete 175 byte EMR record that has failed to pass the initial edit criteria. It prints this detailed information only for the first five EMR records that share a common error condition. The error condition is flagged on the report by one of two possible error codes preceding the field value. The error codes are:

(C) DENOTES CRITICAL ERRORS
(I) DENOTES INFORMATION ERRORS

The last two pages of the report for a given pack/invoice provide the following control totals:

Total Errors for each Field
Total Records Received
Total Records Dropped
Total Records Rejected to MIU
Pack Reject Rate
Total Default Count (represents the number of Files on all of the input records that had to be programmatically altered to meet the EMR standards and specifications.)

If the entire pack/invoice has been rejected because of a Critical Error Rate greater than 0.5%, the last page of the report will display such a statement enclosed in asterisks.

An example of the report is provided in Subappendix D hereto.

4.11.4 Control Reports - Distribution

Since BellSouth is not receiving control reports, dataset names will be established during detailed negotiations.

SECTION IV: AT&T PROCESSING REQUIREMENTS

1. **General**

This section contains requirements for AT&T processing of Recorded Usage Data that has been transmitted to AT&T for billing.

2. **AT&T Rating Process**

2.1 Message Rating

AT&T will rate any individual messages (as defined in Section II of this Appendix), that have not already been rated by BellSouth, prior to transmitting the usage to a billing environment within AT&T.

2.2 Application Of Taxes/Fees/Surcharges

AT&T will apply taxes, fees and surcharges as appropriate for the individual messages and/or customer accounts. The application of all taxes, fees and surcharges will be applied on all intraLATA local and toll usage received from BellSouth.

2.3 Duplicate Messages

AT&T has existing duplicate checks as part of their message processing or billing functions. AT&T will perform these checks on the rated/unrated messages sent pursuant to BellSouth duplicate message disposition procedures and reports will be identified by AT&T during negotiations.

2.4 Record Edits

~~2.4.1~~ AT&T Record Edits

AT&T will perform detailed record edits on the rated and unrated messages prior to transmitting them to the billing environment. ~~Rated and unrated~~

~~records that do not pass AT&T edits will be returned to BellSouth as provided in this Appendix, Section II. 2.1 and Section II. 2.1.1.~~

~~2.4.2~~ **BellSouth Record Edits**

If BellSouth has existing detailed record edits for rated and unrated messages, BellSouth is to perform these edits.

~~Rated and unrated records that do not pass AT&T edits will be returned to BellSouth. BellSouth will attempt to perform error correction on all records requiring such action as agreed upon through the detailed negotiations process.~~

~~2.4.3~~ ~~**AT&T To BellSouth Message Returns**~~

~~At the discretion of AT&T, messages that have been sent to AT&T by BellSouth that cannot be guided to an AT&T billed account or error in processing will be returned to BellSouth with the appropriate negotiated return codes as provided in this Appendix, Section II. 2.1 and Section II. 2.1.1.~~

2.4.3 **Cancel/Correction Records**

AT&T, *upon receipt of cancel/correction records, will perform their current* matching functionality to identify the original message to be canceled/corrected. (Processing will be dependent upon individual negotiations.)

SECTION V: TEST PLANS AND ACTIVITIES

1. **General**

This section defines BellSouth and AT&T activities which are required prior to implementation. The tests and activities described are necessary to ensure a smooth, accurate and well-programmed conversion. Specific test dates will be identified through the negotiations process.

2. **Interface Testing**

The purpose of this test is to ensure that the usage described in Section II of this Appendix preceding can be sent by BellSouth to AT&T and can be accepted and processed by AT&T. BellSouth will provide a test file to AT&T's designated Regional Processing Center (RPC) in the format that will be used for live day-to-day processing. The file will contain one (1) full day's production usage. The format of the file will conform to the requirements shown in Section III. AT&T will review the file and verify that it conforms to its data center requirements. AT&T will notify BellSouth in writing whether the format is acceptable. AT&T will also provide BellSouth with the agreed-upon control reports as part of this test.

3. **Operational Test**

The purpose of this test is to ensure that volumes of usage in consecutive sequence can be extracted, distributed, and processed by BellSouth and AT&T.

BellSouth is required to provide AT&T with BellSouth recorded, unrated usage (as defined in Section II of this Appendix) for a minimum of five (5) consecutive days. AT&T will provide BellSouth with the message validation reports associated with test usage.

AT&T will rate and process the unrated intraLATA toll and local usage. AT&T will process this data to test bills. AT&T may request that the test usage contain specific usage volumes and characteristics to ensure a complete test. Specific usage volumes and characteristics will be discussed during detailed negotiations.

4. **Test File**

Test data should be transported via CONNECT:Direct whenever possible. In the event that courier service must be used to transport test media, the physical tape characteristics to be used are described in Subappendix A hereto.

SECTION VI: POST DEPLOYMENT ACTIVITIES

1. General

Requirements for ongoing maintenance of the usage feeds between AT&T and BellSouth are described in this section. Included are minimal requirements for day to day control of the regularly scheduled transfer of BellSouth unrated and rated usage data and procedures for introducing and verifying AT&T/BellSouth System Changes.

2. Control Maintenance And Review

2.1 Periodic Review

Control procedures for all usage transferred between BellSouth and AT&T will require periodic review. This review may be included as part of an annual audit of BellSouth by AT&T or as part of the normal production interface management function. Breakdowns which impact the flow of usage between BellSouth and AT&T must be identified and jointly resolved as they occur. The resolution may include changes to control procedures, as similar problems would be avoided in the future. Any changes to control procedures would need to be mutually agreed upon by AT&T and BellSouth.

2.2 Retention of Records

BellSouth shall maintain a machine readable back-up copy of the message detail provided to AT&T for a minimum of forty-five (45) calendar days. AT&T will maintain the message detail received from BellSouth for a minimum period of forty-five (45) calendar days. Designated AT&T personnel will provide these records to BellSouth or its authorized agents upon written request. BellSouth will also provide any data back to AT&T upon their written request.

3. BellSouth Software Changes

When BellSouth plans to introduce any software changes which impact the format or content structure of the usage data feed to AT&T, designated BellSouth personnel will notify AT&T no less than one hundred twenty (120) calendar days before such changes are implemented.

BellSouth will communicate the projected changes to the appropriate groups

in AT&T so that potential impacts on AT&T processing can be determined.

AT&T personnel will review the impact of the change on the entire control structure as described in Appendix II Section 5, Post Conversion Test Plan, herein. AT&T will negotiate any perceived problems with BellSouth and will arrange to have the data tested utilizing the modified software.

If it is necessary for BellSouth to request changes in the schedule, content or format of usage data transmitted to AT&T, BellSouth will notify AT&T.

3.1 AT&T Requested Changes

If it is necessary for AT&T to request changes in the schedule, content, or format of the usage data transmitted from BellSouth, AT&T will notify BellSouth.

When the negotiated changes are to be implemented, AT&T and/or BellSouth will arrange for testing of the modified data as described in Appendix II, Section 5, Post Conversion Test Plan.

4. AT&T Software Changes

When AT&T plans to introduce any software changes which may impact the format or content structure of the usage data transmitted from BellSouth, AT&T will notify the designated BellSouth personnel, no less than one hundred twenty (120) calendar days before such changes are implemented.

The AT&T contact will communicate the projected changes to the appropriate groups in BellSouth so that potential impacts on BellSouth processing can be determined.

AT&T will negotiate any perceived problems with BellSouth and will arrange to have the data tested utilizing the modified software.

Altering the one hundred twenty (120) day window for introducing software changes can be negotiated by both companies, dependent upon the scope and impact of the change.

5. **Post-Conversion Test Plan**

The test plan described below is designed to encompass all types of changes to the usage data transferred by BellSouth to AT&T and the methods of transmission for that data.

5.1 **BellSouth System Change Description**

For a BellSouth system change, BellSouth shall provide AT&T with an overall description of the change, stating the objective and a brief explanation of the reasons for the change.

During the initial negotiations regarding the change, BellSouth shall provide a list of the specific records and/or systems impacted by the change to designated AT&T personnel.

Finally, BellSouth shall also provide AT&T a detailed description of the changes to be implemented. It shall include sufficient detail for designated AT&T personnel to analyze and estimate the effects of the changes and to design tests to verify the accuracy of the implementation.

5.2 **Change Negotiations**

AT&T shall be notified in writing of all proposed negotiations initiated by BellSouth. In turn, AT&T will notify BellSouth of proposed change negotiations initiated by AT&T.

After formal notification of planned changes, whether originated by BellSouth or AT&T, designated AT&T personnel will schedule negotiation meetings as required with designated BellSouth personnel. The first meeting should produce the overall change description (if not previously furnished) and the list of records and/or systems affected.

In subsequent meetings, BellSouth shall provide the detailed description of changes to be implemented. After reviewing the described changes, designated AT&T personnel will negotiate a detailed test procedure with BellSouth.

5.3 **Control Change Analysis**

Based on the detailed description of the changes provided by BellSouth, and the review of the projected changes by AT&T, designated AT&T personnel will:

5.3.1 Determine the impact of the changes on the overall structure.

5.3.2 Determine whether any single change has a potential control impact (i.e., high error rate on individual records that might result in pack rejection);

5.3.3 Determine whether any controls might be adversely affected; and

5.3.4 Arrange for appropriate control structure changes to meet any of the above conditions.

5.4 **Verification Of Changes**

5.4.1 Based on the detailed description of changes furnished by BellSouth, designated AT&T personnel will:

5.4.1.1 Determine the type of change(s) to be implemented.

5.4.1.2 Develop a comprehensive test plan.

5.4.1.3 Negotiate scheduling and transfer of modified data with BellSouth.

5.4.1.4 Negotiate testing of modified data with the appropriate AT&T RPC.

5.4.1.5 Negotiate processing of verified data through the AT&T billing system with the RPC.

5.4.1.6 Arrange for review and verification of testing with appropriate AT&T groups.

5.4.1.7 Arrange for review of modified controls, if applicable.

5.5 Introduction of Changes

5.5.1 When all the testing requirements have been met and the results reviewed and accepted, designated AT&T personnel will:

5.5.1.1 Negotiate an implementation schedule.

5.5.1.2 Verify the existence of a contingency plan with the appropriate AT&T personnel.

5.5.1.3 Arrange for the follow-up review of changes with appropriate AT&T personnel.

5.5.1.4 Arrange for appropriate changes in control program, if applicable.

5.5.1.5 Arrange for long-term functional review of impact of changes on the AT&T billing system, i.e., accuracy, timeliness, and completeness.

SECTION VII: SUBAPPENDICES

SUMMARY OF SUBAPPENDICES

Subappendix A

Physical Characteristics Of Data Tapes/
Cartridges

Subappendix B

Message Validation Pack Reject Report (A7287)

Subappendix C

Message Validation Pack Accepted Report (A7288)

Subappendix D

Message Validation EMR Detail Error Report (A7289)

Subappendix E

Special Features Star Services

SUBAPPENDIX A

PHYSICAL CHARACTERISTICS OF DATA TAPES/CARTRIDGES

Data transported to AT&T by the RLEC, or to the RLEC by AT&T, on tape or cartridge via a courier will have the following physical characteristics:

Tape:	9-track, 6250 (or 1600) BPI (Bytes per inch)
Cartridge:	38,000 BPI (Bytes per inch)
LRECL:	2,472 Bytes
Parity:	Odd
Character Set:	Extended Binary Coded Decimal Interchange Code (EBCDIC)
External labels:	Exchange Carrier Name, Dataset Name (DSN) and volume serial number
Internal labels:	IBM Industry OS labels will be used. They consist of a single volume label and two sets of header and trailer labels.
One file per sending ~~modules~~ location with variable length records	1750~~4~~ bytes EMR ~~compacted~~ format plus modules as applicable.

SUBAPPENDIX B

MESSAGE VALIDATION PACK REJECT REPORT (A7287) MM/DD/YY HH:MM:SS

RETEN CODE: 01R-00300

COMPANY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX REMOTE ID 9999X FROM BSID 999

HEADER	RECORD ID	DATE CREATED	INVOICE NUMBER	BELL CO ID	BELL RAO	IX CARRIER	IND CO ID
	999999	99-99-99	99	99	999	999	9999

TRAILER	RECORD ID	DATE CREATED	INVOICE NUMBER	BELL CO ID	BELL RAO	IX CARRIER	IND CO ID	TOTAL REC. COUNT
	999999	99-99-99	99	99	999	999	9999	99,999

ERRORS ERROR CODE ERROR MESSAGE

EC99.9
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

SUBAPPENDIX B (CONT'D)
MESSAGE VALIDATION PACK REJECT REPORT (A7287)

ERROR CODE	ERROR MESSAGES
EC01.2	First record after trailer is not a Pack Header.
EC03.2	From RAO is not numeric.
EC04.3	Invoice number on header invalid.
EC04.5	Company ID not numeric.
EC04.6	Independent company ID is not numeric.
EC04.7	Header Record ID is invalid.
EC04.8	Trailer Record ID is invalid.
EC04.9	Trailer Record count invalid.
EC05.0	Duplicate pack.
EC05.1	Old Pack.
EC05.2	RAO not found on table.
EC07.3	Error rate greater than invoice file threshold for RAO invoice number.
EC12.0	Remote ID in Dataset is not valid.
EC20.0	No detail records in pack.
EC13.0	Invalid status on Pack Header.
EC27.0	Pack exceeds limit of 9,999 detail records.
EC40.9	Pack Header record is missing.
EC41.0	Trailer record is missing.
EC42.0	Trailer message volume is not equal to accumulated message volume.
EC44.0	Header/Trailer date is invalid.
EC45.0	From RAO on Trailer Record is not equal to the from RAO on Header Record.
EC48.0	Invoice number on Trailer Record is not equal to the invoice number on the Header Record.

SUBAPPENDIX C - MESSAGE VALIDATION PACK ACCEPTED REPORT (A7288)

MM/DD/YY-------HH:MM:SS
RETEN CODE: 01R-00300

COMPANY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX FROM RAO INVOICE NO. DATE CREATED
TOTAL RECORDS RECEIVED
----------999----------99----------MM/DD/YY----------
-------ZZ.ZZ9

----------RECORD
COUNTS----------MESSAGE COUNTS ----------
RECORD ID TYPE OF RECORDVALID------REJECTED----DROPPED-----TOTAL--------VALID-----REJECTED--
--DROPPED---TOTAL

010102 OUTWATS (NON-SMDR) ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010103 OUTWATS (SMDR) ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010104 800 SERVICE ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
TOTAL WATS/800

010101 MTS ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010106 NON-DIAL CONFER BRIDGE ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010107 NON-DIAL CONFER LEG RECORD ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010108 DIAL CONFERENCE BRIDGE ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9
010111 ALLIANCE (AGTC) ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9
ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

010116					DIAL-IT SERVICE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010132					DIRECTORY ASSISTANCE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010180					MARINE/AIRCRAFT	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010181					RADIO LINK	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010182					MARINE NON-DIAL CONFER BRIDGE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010183					MARINE NON-DIAL CONFER LEG REC.	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0101XX					OTHER MTS RECORDS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
TOTAL NORTH AMERICAN MTS								

010201					IOTC/IDDD MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0102XX					IOTC/IDDD OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010301					IOTC BFC MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0103XX					IOTC BFC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010401					IOC MTS	ZZ.ZZ9	ZZ.ZZ9	
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0104XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010501					IOC MTS	ZZ.ZZ9	ZZ.ZZ9	
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0105XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
TOTAL OVERSEAS MTS								

015002 OUTWATS LINE SUMMARY ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

015004 800 LINE SUMMARY ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

015032 DIR. ASSISTANCE LINE SUMMARY ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

TOTAL OVERSEAS MTS

03XXXX CREDIT REQUESTS ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

51/52 CANCEL REQUESTS ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

71/72 CORRECTION REQUESTS ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZ9

ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

INVALID RECORD IDENTIFICATION ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9

ZZ.ZZZ9

PACK TOTALS ZZ.ZZ9 ZZ.ZZ9ZZ.ZZ9 ZZ.ZZ9 ZZ.ZZZ9 ZZ.ZZZ9 ZZ.ZZZ9

SUBAPPENDIX D

PAPER COPY OF THIS REPORT TO BE PROVIDED

SUBAPPENDIX E
SPECIAL FEATURES STAR SERVICES

The following are STAR Services supported by these Local Resale requirements to date. When identified, additional services can be negotiated to be included in this Resale offer.

1) Busy Redial/Last Number Redial ..... This feature allows a customer to redial a number when a Busy signal is encountered.

2) Call Return/Missed Call Dialing..... This feature allows a customer to automatically return the most recent incoming call, even if it is not answered.

3) Call Trace ..... This feature allows the tracing of nuisance calls.

4) 3-Way Calling..... This feature allows for three (3) parties to communicate on one line.

5) Automatic Redial..... This feature allows a customer to automatically redial the last number dialed.

To provide for the transfer and billing of these features the following requirements apply:

For all "per use" STAR Features the 'Miscellaneous Charge Line Summary Non-Detail Charge' 425001 record should be used and be populated as follows:

CONNECT TIME	POSITIONS 55 - 60	**MUST BE POPULATED**
MISCELLANEOUS TEXT CODE	POSITIONS 168 - 172	1) BUSY REDIAL/LAST NUMBER REDIAL POPULATE WITH **'00001'**
MISCELLANEOUS *TEXT CODE	POSITIONS 168 - 172	2) CALL RETURN/LAST NUMBER REDIAL POPULATE WITH **'00002'**
MISCELLANEOUS TEXT CODE	POSITIONS 168 - 172	3) CALL TRACE POPULATE WITH **'00003'**
MISCELLANEOUS TEXT CODE	POSITIONS 168-172	4) 3-WAY CALLING POPULATE WITH **'00004'**
MISCELLANEOUS TEXT CODE	POSITIONS 168-172	5) AUTOMATIC RETIAL POPULATE WITH **'00005'**

NOTE: For fields not specifically defined, the standard EMR format for a 425001 record should be used.

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LOCAL NUMBER PORTABILITY

1. BellSouth Provision of Local Number Portability

BellSouth and AT&T shall provide number portability in accordance with requirements of the Act. Interim Number Portability (INP) will be provided by BellSouth to AT&T, and AT&T to BellSouth, immediately upon the Effective Date of this Agreement. INP will be provided with minimum impairment of functionality, quality, reliability and convenience to subscribers of ~~AT&T~~ both companies' services. ~~BellSouth~~The parties will provide PNP as soon as it is technically feasible, in conformance with FCC rules and the Act.

2. Interim Number Portability (INP)

INP shall be provided by Remote Call Forwarding ("RCF"), Route Indexing, or Local Exchange Routing Guide (LERG) reassignment. In addition to providing RCF, BellSouth and AT&T agree~~s~~ to provide Route Indexing and LERG reassignment in every local service office. AT&T shall specify on a per telephone number basis which method is to be employed and BellSouth shall provide such method to the extent technically feasible.

2.1 Remote Call Forwarding

Remote Call Forwarding (RCF) is an existing switch-based BellSouth service that may be used to provide subscribers with limited service-provider LNP by redirecting calls within the telephone network. When RCF is used to provide LNP, calls to the ported number will first route to the BellSouth switch to which the ported number was previously assigned. TheBellSouth switch will then forward the call to a number with an NXX associated with the AT&T operated switch to which the number is ported. AT&T shall ~~not~~ be required to order ~~any~~ additional paths to handle multiple simultaneous calls to the same ported telephone number. Calls routed to AT&T numbers ported to BellSouth will be handled in an identical fashion.

2.2 Route Indexing

Route Indexing (RI) will be provided via the use of ~~may take two forms: Route Index-Portability Hub (RI-PH) or~~ Directory Number-Route Index (DN-RI).

2.2.1 ~~RI-PH will route a dialed call to the BellSouth switch associated with the NXX of the dialed number. The BellSouth switch shall then insert a prefix onto the dialed number which identifies how the call is to be routed to AT&T as the local service provider. The prefixed dialed number is transmitted to the BellSouth tandem switch to which AT&T is connected. The prefix is removed by the operation of the tandem switch and the dialed number is routed to AT&T's switch so the routing of the call can be completed by AT&T.~~

2.2.2 DN-RI is a form of RI-PH that requires direct trunking between the BellSouth switch to which the ported number was originally assigned and the AT&T switch to which the number has been ported. The BellSouth switch shall send the originally dialed number to the AT&T switch without a prefix. Calls ported from the AT&T network to BellSouth will be handled in an identical fashion.

2.2.3 ~~BellSouth shall provide RI-PH or DN-RI on an individual telephone number basis, as AT&T designates. Where technically feasible, AT&T may designate both methods so that calls to ported numbers are first directed to the AT&T switch over direct trunks but may overflow to tandem trunks if all trunks in the direct group are occupied~~.

2.2.4 DN-RI will utilize trunk groups separate from those used to route exchange or other local traffic. ~~For both RI-PH and DN-RI the trunks used may, at AT&T's option, be the same as those used for exchange of other local traffic and toll traffic with BellSouth.~~ At AT&T's option, the trunks shall employ SS7 or in band signaling and may be one way or two way.

2.3 **LERG Reassignment**

Portability for an entire NXX: Local Exchange Routing Guide (LERG). reassignment of an entire NXX can be via a per occasion agreements among BellSouth, AT&T and the LERG administrators. ~~or thousands block (NXX-X) of numbers shall be provided by utilizing reassignment of the block to AT&T through the Local Exchange Routing Guide (LERG).~~ Updates to translations in the BellSouth switching office from which the telephone number is ported will be made by ~~the~~ BellSouth prior to the date on which LERG changes become effective, in order to redirect calls to the AT&T switch via route indexing.

2.4 **Other Interim Portability Provisions**

2.4.1 BellSouth shall exchange with AT&T, SS7 TCAP messages as required for the implementation of Custom Local Area Signaling Services (CLASS) or other features available in the BellSouth network.

2.4.2 BellSouth shall disclose to AT&T any technical or capacity limitations that would prevent use of a requested interim LNP implementation in a particular switching office. BellSouth and AT&T shall cooperate in the process of porting numbers to minimize customer out-of-service time, ~~including updating switch translations where necessary within five (5) minutes after notification that physical cut-over has been completed (or initiated), as AT&T may designate.~~

2.4.3 AT&T shall have the right to use the existing BellSouth 911 infrastructure for all 911 capabilities. With respect to 911 service associated with ported numbers under INP, BellSouth agrees that all ported directory numbers (DN) will remain in the Public Service Answering Points (PSAP) routing databases. When RCF is used, both the ported numbers and shadow numbers for AT&T ported subscribers shall be stored in PSAP databases. AT&T shall have the right to verify the accuracy of the information in the PSAP databases.

2.4.4 BellSouth shall bill and AT&T shall pay the rates set forth in Part IV for INP. *Billing and payment shall be in accordance with the applicable terms* and conditions set forth in this Rates Agreement.

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2.2.2 DN-RI is a form of RI-PH that requires direct trunking between the BellSouth switch to which the ported number was originally assigned and the AT&T switch to which the number has been ported. The BellSouth switch shall send the originally dialed number to the AT&T switch without a prefix. Calls ported from the AT&T network to BellSouth will be handled in an identical fashion.

2.2.3 ~~BellSouth shall provide RI-PH or DN-RI on an individual telephone number basis, as AT&T designates. Where technically feasible, AT&T may designate both methods so that calls to ported numbers are first directed to the AT&T switch over direct trunks but may overflow to tandem trunks if all trunks in the direct group are occupied~~.

2.2.4 DN-RI will utilize trunk groups separate from those used to route exchange or other local traffic. ~~For both RI-PH and DN-RI the trunks used may, at AT&T's option, be the same as those used for exchange of other local traffic and toll traffic with BellSouth.~~ At AT&T's option, the trunks shall employ SS7 or in band signaling and may be one way or two way.

2.3 **LERG Reassignment**

Portability for an entire NXX; Local Exchange Routing Guide (LERG). reassignment of an entire NXX can be via a per occasion agreements among BellSouth, AT&T and the LERG administrators. ~~or thousands block (NXX-X) of numbers shall be provided by utilizing reassignment of the block to AT&T through the Local Exchange Routing Guide (LERG).~~ Updates to translations in the BellSouth switching office from which the telephone number is ported will be made by ~~the~~ BellSouth prior to the date on which LERG changes become effective, in order to redirect calls to the AT&T switch via route indexing.

2.4 **Other Interim Portability Provisions**

2.4.1 BellSouth shall exchange with AT&T, SS7 TCAP messages as required for the implementation of Custom Local Area Signaling Services (CLASS) or other features available in the BellSouth network.

2.4.2 BellSouth shall disclose to AT&T any technical or capacity limitations that would prevent use of a requested interim LNP implementation in a particular switching office. BellSouth and AT&T shall cooperate in the process of porting numbers to minimize customer out-of-service time, ~~*including updating switch translations where necessary within five (5) minutes after notification that physical cut-over has been completed (or initiated), as AT&T may designate.*~~

2.4.3 AT&T shall have the right to use the existing BellSouth 911 infrastructure for all 911 capabilities. With respect to 911 service associated with ported numbers under INP, BellSouth agrees that all ported directory numbers (DN) will remain in the Public Service Answering Points (PSAP) routing databases. When RCF is used, both the ported numbers and shadow numbers for AT&T ported subscribers shall be stored in PSAP databases. AT&T shall have the right to verify the accuracy of the information in the PSAP databases.

2.4.4 BellSouth shall bill and AT&T shall pay the rates set forth in Part IV for INP. Billing and payment shall be in accordance with the applicable terms and conditions set forth in this Rates Agreement.

3. **Permanent Number Portability (PNP)**

~~3.1~~ PNP is currently being worked in industry forums. ~~BellSouth believes that t~~The results of these forums will dictate the industry direction fo PNP. BellSouth and AT&T will implement PNP as directed by the Act, the FCC and the industry.~~The requirements for PNP shall include the following:~~

~~3.1.1 A subscriber must be able to change local service providers and retain the same telephone number(s) and have availability of all vertical and advanced local service features.~~

3.1.1 ~~The LNP network architecture shall not subject alternate local exchange carriers to any degradation of service compared to BellSouth in any relevant measure, including transmission quality, switching and transport costs, increased call set-up time and post dial delay, and AT&T shall not be required to rely on the BellSouth network for calls completing to its ported customers.~~

~~3.2 **Joint Cooperation**~~

~~Both AT&T and BellSouth shall:~~

~~Support all emergency and operator services.~~

~~Use scarce numbering resources efficiently and administer such resources in a competitively neutral manner.~~

~~Jointly cooperate with each other to ensure that both carriers shall be able to rate and bill all types of calls.~~

~~Jointly cooperate with each other to apply PNP consistently on a nationwide basis, and in accordance with all Federal Communication Commission directives.~~

~~3.2 **Location Routing Number (LRN)**~~

~~BellSouth and AT&T shall work to implement the LRN PNP solution.~~

~~3.1.1 A ten-digit code, consistent with the North American Numbering Plan, called the location routing number (LRN) shall be used as a network address for each switch that terminates subscriber lines, i.e. an end office. LRN shall support existing six-digit routing and may be implemented without changes to existing switch routing algorithms. In existing end offices, the LRN shall be selected from one of its existing NPA-NXXs. New end offices shall be assigned LRNs through normal administrative processes.~~

~~3.1.1~~ ~~LRN employs an "N-1" Query Strategy for interLATA or intraLATA toll calls, by which the originating carrier will pass the call to the appropriate toll carrier who will perform a query to an external routing database and efficiently route the call to the appropriate terminating local carrier either directly or through an access tandem office. For a local call to a ported number, the originating carrier is the "N-1" carrier. It will perform an external database query and pass the call to the appropriate terminating carrier. The "N-1" methodology will be used to extend portability on a phased, region-by-region basis and it does not place BellSouth or other carriers needlessly in the call path.~~

~~3.1.1~~ ~~BellSouth will furnish AT&T with the first six digits of the originating LRN when it supplies AT&T with the Jurisdiction Information Parameter for the Initial Address Message.~~

~~3.1.1~~ ~~BellSouth agrees to begin the introduction of LRN to end user subscribers who may begin changing local service providers and retaining their existing telephone number no later than October 1, 1997.~~

~~3.1.1~~ ~~The generic requirements for LRN are specified in the following publications: Generic Switching and Signaling Requirements for Number Portability, Issue 1.00, February 12, 1996 [Editor - Lucent Technologies, Inc.]; Generic Requirements for SCP Application and GTT Function for Number Portability, Issue 0.31, Final Draft, March 24, 1996 [Editor - Ameritech Inc.]; and Generic Operator Services Switching Requirements for Number Portability, Issue 1.00, Final Draft, April 12, 1996 [Editor - Nortel].~~

~~3.2~~ ~~**Additional PNP Requirements**~~

~~3.1.1~~ ~~For local calls to a portable NXX, BellSouth shall query an external database as soon as the call reaches the first LNP capable switch in the call path. An LNP capable originating switch shall query on a local call to a portable NXX as soon as it determines that it (the originating switch) does not serve the dialed number.~~

~~3.1.1~~ ~~BellSouth shall be the default carrier for database queries where a participating carrier is unable to perform its own query due to abnormal conditions.~~

~~3.1.1~~ ~~BellSouth will provide AT&T INP and PNP for subscribers moving to a different location, or staying at the same location, within the same rate center area.~~

~~3.2~~ ~~**SMS Administration**~~

~~BellSouth will work cooperatively with other local service providers to establish the LNP Service Management System (SMS). The SMS shall be administered by a neutral third party, to provide for the efficient porting of numbers between carriers. BellSouth and AT&T shall cooperate to facilitate the expeditious deployment of LRN-based LNP through the process prescribed by the FCC, including, but not limited to, participation in the selection of a neutral third party and development of SMS, as well as SMS testing for effective procedures, electronic system interfaces, and overall readiness for use consistent with that specified for Provisioning in this Agreement.~~

4. Requirements for INP and PNP

4.1 White and Yellow Page Listings

BellSouth shall provide and maintain for AT&T one (1) white page and one (1) yellow page (if applicable) listing for each AT&T subscriber that has ported its number from BellSouth, consistent with that specified for Provisioning in this Agreement. The listing and handling of listed and nonlisted telephone numbers will be at least at parity with that provided by BellSouth to its own subscribers.

4.2 Cut-Over Process

~~BellSouth shall cooperate in the process of porting numbers from one carrier to another so as to limit service outage for the ported subscriber. This shall include, but not be limited to, updating its network element translations within five (5) minutes following notification by the industry SMS, or ported to local service provider, and deploying such temporary translations as may be required to minimize service outage, e.g., unconditional triggers. Also, AT&T shall have the right to determine who initiates the order for interim LNP in specific cut-over situations~~.

4.3 Testing

BellSouth and AT&T shall cooperate in conducting AT&T's testing to ensure interconnectivity between systems. BellSouth shall inform AT&T of any system updates that may affect the AT&T network and BellSouth shall, at AT&T's request, perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement.

4.4 Non-Geographical Numbers

BellSouth shall not be required to provide number portability for non-geographic services (e.g., 500 and 900 NPAs, and 976 NXX number services) under this Agreement.

4.5 **Engineering and Maintenance**

BellSouth and AT&T will cooperate to ensure that performance of trunking and signaling capacity is engineered and managed at levels which are at least at parity with that provided by BellSouth to its subscribers and to ensure effective maintenance testing through activities such as routine testing practices, network trouble isolation processes and review of operational elements for translations, routing and network fault isolation. Additional specific engineering and maintenance requirements shall apply as specified in this Agreement.

4.6 **Recording and Billing**

BellSouth shall provide AT&T with accurate billing and Customer Account Record Exchange data for AT&T subscribers whose numbers have been ported. Until PNP can be implemented and INP must be utilized to route ported calls to AT&T, BellSouth will collect terminating access charges from the interexchange carrier. BellSouth and AT&T will then split the revenues associated with these calls according to the functions that each provided in the termination of the call.

4.6.1 ~~Calls originated from RCF ported numbers in BellSouth end offices and sent to the AT&T interLATA toll network must signal the shadow number in the Calling Party Number (CgPN) parameter and ported number in the Charge Number (CN) parameter in the SS7 Initial Address Message.~~

4.6.2 ~~BellSouth shall supply AT&T with individual call records, with full call detail, that provide billing information associated with the RCF second call leg~~.

4.6.3 ~~BellSouth must pay charges to AT&T for BellSouth originated calls that terminate to ported numbers at the AT&T end office. These charges are equivalent to the AT&T customers changing rather than porting their telephone number~~ Pricing issue.

4.6.4 ~~BellSouth shall pay to the local service provider of the ported to number all terminating access charges for calls transported from the interexchange carrier to the ported switch~~. Pricing issue.

4.7 **Operator Services and Directory Assistance**

With respect to operator services and directory assistance associated with LNP for AT&T subscribers, BellSouth shall provide the following:

4.7.1 While INP is deployed and prior to conversion to PNP:

4.7.1.1 If requested by AT&T, BellSouth shall provide Emergency Interrupt (EI) trunks to the AT&T End Office for BLV/BLI call requests for lines that

terminate at the AT&T End Office. BellSouth will provide BLV and BLI at AT&T's request per the BellSouth tariff.

4.7.1.2 When a BLV/BLI request for a ported number is directed to a BellSouth operator and the query is not successful (i.e., the request yields an abnormal result), the operator shall confirm whether the number has been ported and shall direct the request to the appropriate operator.

4.7.1.3 ~~BellSouth shall remove from its Line Information Data Base (LIDB) all existing BellSouth issued Telephone Line Number (TLN) based card numbers when a customer ports their number to AT&T.~~

4.7.1.4 ~~BellSouth shall allow AT&T to order provisioning of TLN calling cards and Billed Number Screening (BNS), in its LIDB, for ported numbers, as specified by AT&T. BellSouth shall continue to allow AT&T access to its LIDB. Other LIDB provisions are specified in this Agreement.~~

4.7.1.5 Where BellSouth has control of directory listings for NXX codes containing ported numbers, BellSouth shall maintain entries for ported numbers as specified by AT&T.

~~4.7.2 When PNP is in place:~~

~~4.7.1.6 The Provisions in 4.7.1.1-4.7.1.5 preceding, shall apply when PNP is in place.~~

~~4.7.1.6 If Integrated Services Digital Network User Part (ISUP) signaling is used, BellSouth shall provide the Jurisdiction Information Parameter in the SS7 Initial Address Message. (See Generic Switching and Signaling Requirements for Number Portability, Issue 1.0, February 12, 1996 [Editor - Lucent Technologies, Inc.])~~

~~4.7.1.6 BellSouth shall provide a 10-digit Global Title Translation (GTT) Node for routing queries for TCAP-based operator services (e.g., LIDB).~~

~~4.7.1.6 BellSouth OSS shall meet all requirements specified in "Generic Operator Services Switching Requirements for Number Portability," Issue 1.00, Final Draft, April 12, 1996 [Editor: Nortel]~~

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NETWORK SECURITY

1. **Protection of Service and Property**

BellSouth shall exercise the same level ~~highest degree~~ of care to prevent harm or damage to AT&T, its employees, agents or customers, or their property. When AT&T spaces are separate from all other entities (physical collocation), BellSouth, its employees, agents, or representatives agree to take reasonable and prudent steps to ensure the adequate protection of AT&T property and services, including, but not limited to:

1.1 Restricting access to AT&T equipment, support equipment, systems, tools and data, or spaces which, contain or house AT&T equipment enclosures, to AT&T employees and other authorized non-AT&T personnel to the extent necessary to perform their specific job function.

1.2 Furnishing to AT&T a current written list of BellSouth's employees who BellSouth authorizes to enter spaces which house or contain AT&T equipment or equipment enclosures, including caged areas, with samples of the identifying credentials to be carried by such persons. Need discussion.

1.3 Complying at all times with AT&T security and safety procedures and requirements, including but not limited to sign-in, identification, and escort requirements while in spaces which house or contain AT&T equipment or equipment enclosures and compliance with AT&T Corporate Security Instructions (CSIs) 1.01 "Admission to AT&T Premises", January 1987, CSI 1.10 "Physical Security For Shared Premises", Issue A, January 1987, and CSI 1.13 "Physical Security Criteria For Elements of the Network", Issue A, June 1987. What procedures specifically are in question?

1.4 Allowing AT&T to inspect or observe spaces which house or contain AT&T equipment or equipment enclosures at any time and to furnish AT&T with all keys, entry codes, lock combinations, or other materials or information which may be needed to gain entry into any secured AT&T space. Is this necessary in view of Section 2.2.3 of Attachment 3?

1.5 ~~Agreeing not to use card access readers and devices that use cards which are encoded identically or mechanical coded locks on external doors or on internal doors to spaces which house AT&T equipment.~~

1.6 Insure that the area which houses AT&T's equipment is adequately secured ~~and monitored~~ to prevent unauthorized entry.

1.7 ~~Limiting the keys used in its keying systems for spaces which contain or house AT&T equipment or equipment enclosures to its employees and representatives to emergency access only. AT&T shall further have the right to change locks where deemed necessary for the protection and security of such spaces.~~

1.8 ~~Installing security studs in the hinge plates of doors having exposed hinges with removable pins if such leads to spaces which contain or house AT&T equipment or equipment enclosures.~~

1.9 ~~Controlling unauthorized access from passenger and freight elevators by continuous surveillance or by installing security partitions, security grills, locked gates or doors between elevator lobbies and spaces which contain or house AT&T equipment or equipment enclosures.~~

1.10 Providing real time notification to designated AT&T personnel to indicate an actual or attempted security breach. Need discussion of real-time.

1.11 Jointly develop a ~~Providing an acceptable~~ back-up and recovery plan to be used in the event of a system failure or emergency.

1.12 Installing controls: Need clarification/ discussion. e.g. whose port, databases, etc.

- to disconnect a user for a pre-determined period of inactivity on authorized ports;
- to protect customer proprietary information; and
- to databases to ensure both ongoing operational and update integrity.

1.13 Logical Security:

- assuring that all approved system and modem access be secured through security servers. Access to or connection with a network element shall be established through a secure network or security gateway. Need discussion of "secure network or security gateway"
- agreeing to comply with AT&T Corporate Security Instruction 3.03 "Computer Security Requirements," March 1993, and AT&T Network Security Requirements 4.0, March 1996.

2. **Revenue Protection**

2.1 Where BellSouth services are being resold and where AT&T is using a BellSouth port, ~~BellSouth shall make available to~~ AT&T will have use of, at the appropriate charge, all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality available to BellSouth. ~~embedded within any of the network elements~~. These features include, but are not limited to screening codes, call blocking of international, 800, 900, 976, and 700 numbers ~~and the capability to require end-user entry of an authorization code for dial tone~~. ~~BellSouth~~

~~shall additionally provide partitioned access to fraud prevention, detection and control functionality within pertinent Operations Support Systems ("OSS").~~

~~Uncollectible or unbillable revenues resulting from, but not confined to, provisioning, maintenance, or signal network routing errors shall be the responsibility of the party causing such error~~.

2.2 U~~ncollectible or unbillable revenues resulting from the accidental or malicious alteration of software underlying Network Elements or their subtending operational support systems by unauthorized third parties shall be the responsibility of the party having administrative control of access to said Network Element or operational support system software.~~

2.3 B~~ellSouth shall be responsible for any uncollectible or unbillable revenues resulting from the unauthorized physical attachment to loop facilities from the Main Distribution Frame up to and including the Network Interface Device, including clip-on fraud~~. Where available, BellSouth shall provide soft dial tone to allow only the completion of calls to final termination points required by law. _

3. **Law Enforcement Interface**

BellSouth shall provide seven day a week/ twenty-four hour a day installation and information retrieval pertaining to traps, assistance involving emergency traces and information retrieval on customer invoked CLASS services, including, without limitation, call traces requested by AT&T. BellSouth shall provide all necessary assistance to facilitate the execution of wiretap or dialed number recorder orders from law enforcement authorities.

To be considered as appropriate in K negotiations.

ACRONYM	DEFINITION
AAA	American Arbitration Association
AIN	Advanced Intelligent Network
ALEC	Alternative Local Exchange Carrier
ALI/DMS	Automatic Location Identification/Data Management Systems
AMA	Automated Message Accounting
ANSI	American National Standards Institute
ARPM	Average Revenue Per Message
ATIS	Alliance for Telecom Industry Solutions
ATM	Asynchronous Transfer Mode
BICI	Broadband Inter-Carrier Interface
BITS	Building Integrated Timing Supply
BLV	Busy Line Verification
BRCS	Business and Residential Customer Service
C	Network Element Combination
C-DTTA	Combo of Dedicated Transport & Tandem
C-LPLS	Combo of Loop & Local Switching
CABS	Carrier Access Billing Systems
CAMA ANI	Centralized Automatic Message Accounting - Automatic Number Identification
CAP	Competitive Access Provider
CCITT	Consultative Committee on International Telegraph & Telephone
CCS	Communications Channel Signaling
CCSNIS	Common Channel Signaling Network Interface Specification
CIC	Carrier Identification Code
CLASS	Custom Local Area Signaling Service
CLC	Carrier Liaison Committee
CLEC	Competitive Local Exchange Carrier
CLLI	Common Language Location Identifier
CMIP	Coded Mark Inversion Protocol
CO	Central Office
CPE	Customer Premises Equipment
CRDD	Customer Requested Due Dates
CT	Common Transport
CY	Current Year
DA	Directory Assistance
DACS	Digital Access Crossconnect Systems
DB	Database

*Combo of: Local Switching, Common Transport, Signaling, Databases & Tandem Switching

DB	Service Central Points/Databases
DCC	Data Communications Channel
DCS	Digital Cross-Connect System
DID	Direct Inward Dialing
DLC	Digital Loop Carrier
DLCI	Data Link Connection Identifier
DMOQs	Direct Measures of Quality
DN	Directory Numbers
DN-RI	Directory Number - Route Index
DS-1	Digital Signal Level One
DS-3	Digital Signal Level Three
DS0	Digital Signal Level Zero
DSN	Data Set Name
DSX	Digital Cross Connect
DT	Dedicated Transport
DTMF	Dual-Tone Multi Frequency
E	Network Element
E&M	Ear & Mouth Signaling
E-LP	Element Loop
EAMF	Equal Access Multi-Frequency
EBCDIC	Extended Binary-Coded Decimal Interexchange Code
EBI	Electronic Bonding Interface
EFT	Electronic Fund Transfer
EI	Electronic Interface
EI	Emergency Interrupt
EMR	Exchange Message Record
EO	End Office
ESF	Extended Super Frame
ESL	Essential Service Line
ETTR	Estimated Time to Repair
FDI	Feeder Distribution Interface
FN	Fiber Node
FOC	Firm Order Confirmation
FRF	Frame Relay Forum
FUNI	Framebased User to Network Interface
GTT	Global Title Translation
HDT	Host Digital Terminal
HFC	Hybrid Fiber Coax
HFC-HDT	Hybrid Fiber Coax - Host Digital Terminal
ID	Remote Identifiers
IEC	Interexchange Carrier
IECs	Interexchange Carriers
IEEE	Institute of Electrical and Electronic Engineers
IISP	Interim Interswitch Signaling Protocol

ILEC	Incumbent Local Exchange Carrier
INA	Integrated Network Access
INP	Interim Number Portability
ISDN	Integrated Services Digital Network
ISDNUP	Integrated Services Digital Network User Part
ISNI	Intermediate Signal Network Identifier
ISO	International Standardization Organization
ISUP	Integrated Services User Part
ITU	International Telecommunications Union
IVMS	Interswitch Voice Messaging Service
LARG	LIDB Access Routing Guide
LASS	Local Area Signaling Services
LATA	Local Access Transport Area
LC	Loop Concentrator/Multiplexor
LCC	Line Class Code
LD	Loop Distribution
LEC	Local Exchange Carrier
LEC DA	LEC Directory Assistance
LEC SCE	LEC Service Creation Environment
LEC SCP	LEC Service Control Point
LEC SMS	LEC Service Management System
LEC SSP	LEC Service Switching Point
LF	Loop Feeder
LGX	Lightguide Cross-Connect
LIDB	Line Information Data Base
LMI	Local Management Interface
LNP	Local Number Portability
LP	Loop
LRECL	Logical Record Length
LRN	Local Routing Number
LS	Local Switching
LSO	Local Serving Office
LSSGR	LATA Switching Systems Generic Requirements
MDF	Main Distribution Frame
MDU	Multiple Dwelling Unit
MDU/BCL	Multiple Dwelling Unit/Business Customer Location
MF	Multi-Frequency
MIB	Management Information Base
MLT	Mechanized Loop Tests
MOP	Methods of Procedure
MOS	Modified Operator Services
MR	Modification Request
MRVT	MTP Routing Verification Test
MSAG	Master Street & Address Guide

MTP	Message Transfer Port
NEBS	Network Equipment Building System
NI	Network Interface Device
NID	Network Interface Device
NIU	Network Interface Unit
NMS	Network Management System
NNI	Network to Network Interface
NVT	Network Validation Test
OAM	Operation and Maintenance
OAM&P	Operations Administration Maintenance & Provisioning
OBF	Ordering & Billing Forum
OC	Optical Carrier
ODS	Optical Distribution
OLI	Originating Line Indicator
OMAP	Operations, Maintenance & Administration Part
ORT	Operational Readiness Test
OS	Operator Services
OSPS	Operator Services Position System
OSS	Operations Support Systems
OSSGR	Operator Services Systems Generic Requirements
PBX	Private Branch Exchange
PDH	Plesiochronous Digital Hierarchy
PEC	Primary Exchange Carrier
PIC	Primary Interexchange Carrier
PNP	Permanent Number Portability
POI	Point of Interface
POI	Points of Interconnection
POT	Point of Termination
POTS	Plain Old Telephone Service
PRI	Primary Rate Interface
PSAP	Public Safety Answering Point
PUC	Public Utilities Commission
RAO	Regional Accounting Office
RCF	Remote Call Forwarding
RECFM	Record Format
RI	Route Index
RI-PH	Route Index - Portability Hub
ROW	Right of Way
RPC	Regional Processing Center
RSM	Remote Switch Module
RT	Remote Terminal
SAG	Street Address Guide
SCCP	Signaling Connection Control Point
SCP	Service Control Points

SDH	Synchronous Digital Hierarchy
SECAB	Small Exchange Carrier Access Billing
SL	Signaling Link Transport
SMDI-E	Standard Message Desk Interface - Enhanced
SMS	Service Management System
SNMP	Simple Network Management Protocol
SONET	Synchronous Optical Network
SPOC	Single Point of Contact
SPOI	Signaling Point of Interconnection
SRVT	SCCP Routing Verification Test
SS	SS7 Message Transfer & Connection Control
SS7	Signaling System 7
SSP	Switching Services Port
STP	Signaling Transfer Point
STS	Synchronous Transport Signal
SWF-DSI	Switched Functional DS1 Service Capability
T&M	Time & Material
TCAP	Transaction Capabilities Application Port
TDEV	Time Deviation
TDI	Tie Down Information
TIA/EIA	Telecommunications Industries Association/Electronic Industries Association
TR	Technical Requirements
TS	Tandem Switching
TSG	Trunk Sub-Group
TSGR	Transport System Generic Requirements
TSLRIC	Total Service Long Run Incremental Cost
TSP	Telecommunications Services Priority
UNI	User to Network Interface
VB	Variable Block
VCI	Virtual Channel Identifier
VF	Voice Frequency
WDM	Wavelength Division Multiplexing

To be negotiated. as appropriate in K negotiations

"**Act**" means the Telecommunications Act of 1996.

"**Advanced Intelligent Network (AIN)**" is a network functionality that permits specific conditions to be programmed into a switch which, when met, directs the switch to suspend call processing and to receive special instructions for further call handling instructions in order to enable carriers to offer advanced features and services.

"**AMA**" means the Automated Message Accounting structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Bellcore as GR-1100-CORE which defines the industry standard for message recording.

"**Applicable Law**" shall mean all laws, statutes, common law, regulations, ordinances, codes, rules, guidelines, orders, permits and approvals of any Governmental Authority, including without limitation those relating to the environment, health and safety, which apply or relate to Work Locations or the subject matter of this Agreement.

"**AT&T**" has the meaning set forth in the preamble.

"**AT&T Customer**" means any business or residential customer for AT&T services.

"**Automatic Location Identification/Data Management System (ALI/DMS)**" means the emergency services (E911/911) database containing customer location information (including name, address, telephone number, and sometimes special information from the local service provider) used to determine to which Public Safety Answering Point ("PSAP") to route the call.

"**Automatic Route Selection (ARS)**" is a service feature that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.

"**Bill and Keep**" is a reciprocal compensation arrangement whereby the compensation that one company offers to another for the completion of its calls is the agreement to complete the other company's calls in a like manner.

"**BLV/BLI (Busy Line Verify/Busy Line Interrupt) Traffic**" or "**BLV/BLI Call**" means an operator call in which the end user inquires as to the busy status of, or requests an interruption of, a call on an Exchange Service.

"**CABS**" means the Carrier Access Billing System which is contained in a document prepared under the direction of the Billing Committee of the OBF. The Carrier Access Billing System document is published by Bellcore in Volumes 1,

1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-001869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the billing of access and other connectivity services.

"CENTREX" means a Telecommunications Service that uses central office switching equipment for call routing to handle direct dialing of calls, and to provide many private branch exchange-like features and includes BellSouth's ESSX®, MultiServe®, Prestige® and other similar services.

"CLASS (Custom Local Area Signaling Service) and Custom Features" means a grouping of optional enhancements to basic local exchange service that offers special call handling features to residential and single-line business customers (e.g., call waiting, call forwarding and automatic redial).

"Collocation" has the meaning set forth in Attachment 3.

"Combinations" consist of multiple Network Elements that are logically related to enable AT&T to provide service in a geographic area or to a specific customer and that are placed on the same order by AT&T.

"Conduit" has the meaning set forth in Attachment 3.

"Confidential Information" has the meaning set forth in Section 18.1 of the General Terms and Conditions.

"Contract Year" means a twelve (12) month period during the term of the contract commencing on the Effective Date and each anniversary thereof.

"CRIS/CLUB" [to be provided]

"Customer Usage Data" means the local Telecommunications Services usage data of an AT&T Customer, measured in minutes, sub-minute increments, message units, or otherwise, that is recorded by BellSouth and forwarded to AT&T.

"Dark Fiber" has the meaning set forth in Attachment 3.

"Directory Listings" has the meaning set forth in Section 20.1 of Attachment I.

"Discloser" means that party to this Agreement which has disclosed Confidential Information to the other party.

"Effective Date" is the date indicated in the Preface on which the Agreement shall become effective.

"EMR" means the Exchange Message Record System used among LECs for exchanging telecommunications message information for billable, non-billable, sample, settlement and study data. EMR format is contained in BR-010-200-010 CRIS Exchange Message Record, published by Bellcore and which defines the industry standard for exchange message records.

"Environmental Hazard" means any substance the presence, use, transport, abandonment or disposal of which (1) requires investigation, remediation, compensation, fine or penalty under any Applicable Law (including, without limitation, the Comprehensive Environmental Response Compensation and Liability Act, Superfund Amendment and Reauthorization Act, Resource Conservation Recovery Act, the Occupational Safety and Health Act and provisions with similar purposes in applicable foreign, state and local jurisdictions) or (ii) poses risks to human health, safety or the environment (including, without limitation, indoor, outdoor or orbital space environments) and is regulated under any Applicable Law.

"Enhanced White Pages" means optional features available for White Pages Directory listings (e.g., bold, all capitals, additional line of text, indented).

"Enhanced Yellow Pages" means optional features available for Yellow Pages Directory listings (e.g., red type, bold, all capitals, additional line of text, indented).

"E911 Service" is a method of routing 911 calls to a PSAP that uses customer location data in the ALI/DMS to determine the PSAP to which a call should be routed.

"Governmental Authority" means any federal, state, local, foreign or international court, government, department, commission, board, bureau, agency, official, or other regulatory, administrative, legislative or judicial authority with jurisdiction.

"Interconnection" is defined as the act of linking two or more telecommunications networks for the purpose of terminating local telephone calls.

"Interim Number Portability (INP)" means the delivery of LNP capabilities, from a customer standpoint in terms of call completion, with as little impairment of functioning, quality, reliability, and convenience as possible and from a carrier standpoint in terms of compensation, through the use of existing and available call routing, forwarding, and addressing capabilities.

"Line Information Data Base(s) (LIDB)" means one or all, as the context may require, of the Line Information Databases owned individually by ILECs and

other entities which provide, among other things, calling card validation functionality for telephone line number cards issued by ILECs and other entities. A LIDB also contains validation data for collect and third number-billed calls, which include billed number screening.

"Local Number Portability (LNP)" means the ability of users of telecommunications services to retain, at the same location, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one telecommunications carrier to another.

"Local Service" has the meaning set forth in Section 23.1 of Part 1.

"Local Traffic" means any telephone call that originates and terminates in the same LATA and is billed by the originating party as a local call, including any call terminating in an exchange outside of BellSouth's service area with respect to which BellSouth has a local interconnection agreement with an independent LEC, with which AT&T is not directly interconnected.

"MECAB" means the Multiple Exchange Carrier Access Billing document prepared under the direction the Billing Committee of the OBF. The Multiple Exchange Carrier Access Billing document, published by Bellcore as Special Report SR-BDS-000983, contains the recommended guidelines for the billing of access and other connectivity services provided by two or more LECs (including LECs and CLECs), or by one LEC or CLEC in two or more states within a single LATA.

"MECOD" means the Multiple Exchange Carriers Ordering and Design (MECOD) Guidelines for Access Services- Industry Support Interface, a document developed under the auspices of the Billing Committee of the OBF. The MECOD document, published by Bellcore as Special Report SR STS-002643, establishes recommended guidelines for processing orders for access and other connectivity services which is to be provided by two or more LECs (including LECs and CLECs), or by one LEC or CLEC in two or more states within a single LATA.

"Network Element" means a facility or equipment used in the provision of a telecommunications service. Network Element includes features, functions, and capabilities that are provided by means of such facility or equipment, including subscriber numbers, databases, signaling systems, and information sufficient for billing and collection or used in the transmission, routing, or other provision of a telecommunications service.

"911 Service" means a universal telephone number which gives the public direct access to the PSAP. Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then

sent to the correct authority designated to receive such calls.

"**OBF**" means the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS).

"**Parties**" means AT&T and BellSouth.

"**Permanent Number Portability (PNP)**" means the use of the Local Routing Number (LRN) database solution to provide fully transparent LNP for all customers and all providers without limitation.

"**Pole Attachment**" has the meaning set forth in Attachment 3.

"**Public Safety Answering Point (PSAP)**" means the designated agency to which calls to E911/911 services are routed.

"**Real Time**" means the actual time in which an event takes place, with the reporting on or the recording of the event practically simultaneous with its occurrence.

"**Recipient**" means that party to this Agreement to which Confidential Information has been disclosed by the other party.

"**Recorded Usage Data**" has the meaning set forth in Attachment 7.1.

"**Release**" means any release, spill, emission, leaking, pumping, injection, deposit, disposal, discharge, dispersal, leaching, or migration, including without limitation, the movement of Environmental Hazards through or in the air, soil, surface water or groundwater, or any action or omission that causes Environmental Hazards to spread or become more toxic or more expensive to investigate or remediate.

"**Retail Rates**" means the lowest prices that BellSouth actually charges its customers.

"**Rights of Way (ROW)**" has the meaning set forth in Attachment 3.

"**RLEC**" The terms Regional Local Exchange Company ("RLEC"), Local Exchange Company ("LEC"), and Incumbent Local Exchange ("ILEC") are used interchangeably throughout this Agreement.

"**SECAB**" means the Small Exchange Carrier Access Billing document prepared by the Billing Committee of the OBF. The Small Exchange Carrier Access Billing document, published by Bellcore as Special Report SR OPT - 001856, contains

the recommended guidelines for the billing of access and other connectivity services.

"Served Premises" means collectively, the AT&T designated locations to which AT&T orders Network Elements, Ancillary Functions or Combinations.

"Telephone Relay Service" has the meaning set forth in Section 25.5 of Attachment I.

"Thousands Block of Numbers" shall mean 1000 or more consecutive numbers beginning and ending on a digit boundary, e.g., 949-1000 to 949-1999.

"Total Service Long Run Incremental Cost (TSLRIC)" is the cost of the forward looking least cost technology of providing a service, relevant group of services, or basic network elements, given that the company already produces all of its services. Alternatively, TSLRIC represents the costs avoided if the telecommunications provider had never offered the particular service, group of services, or network element in question.

"Unused Transmission Media" has the meaning set forth in Attachment 3.

"Voluntary Federal Customer Financial Assistance Programs" are Telecommunications Services provided to low-income subscribers, pursuant to requirements established by the appropriate state regulatory body.

"Waste" means all hazardous and non-hazardous substances and materials which are intended to be discarded, scrapped, or recycled, associated with activities AT&T or BellSouth or their respective contractors or agents perform at Work Locations. It shall be presumed that all substances or materials associated with such activities, that are not in use or incorporated into structures (including without limitation damaged components or tools, leftovers, containers, garbage, scrap, residues or byproducts), except for substances and materials that AT&T, BellSouth or their respective contractors or agents intend to use in their original form in connection with similar activities, are Waste. "Waste" shall not include substances, materials or components incorporated into structures (such as cable routes) even after such components or structure are no longer in current use.

"Work Locations" means any real estate that BellSouth owns, leases or licenses or in which it holds easements or other rights to use, or does use, in connection with this Agreement.

Agreed to Disagree on Total Section

1. Credits for Failure to Meet DMOQs

AT&T will offset against charges due to BellSouth the amounts specified in this Attachment for delays in the provision of Local Services, Network Elements or Combinations, failures to meet the DMOQs required by this Agreement or delays in the provision of Customer Usage Data or failures to provide such data in accordance with the requirements of this Agreement. Unless otherwise specified, performance against DMOQs will be measured on a monthly basis.

2. Delay Credits for Local Services, Network Elements and Combination

2.1 Customer Specific Local Services, Network Elements, and Combinations

If BellSouth does not satisfy a DMOQ standard specified in Section 28.6 of Part 1 (Intervals for the provisioning/installation of Local Service) or Section 9.5 of Attachment 4 (Desired Delivery Date, Committed Delivery Date, and Completion Without Error for the provisioning/installation of Unbundled Network Elements), BellSouth will be liable to AT&T for liquidated damages for each and every Service Order for customer specific Local Services, Network Elements, and Combinations that have been delayed or not properly completed. Liquidated damages shall consist of: (i) a waiver of any associated provisioning/installation charge; and (ii) a delay credit equal to the associated monthly charge for the Service, Network Element or Combination for each month or partial month of delay. If a single Service Order fails to meet two or more DMOQs, BellSouth will be liable only for the category of liquidated damages that results in the highest amount.

2.2 *Non-Customer Specific* Network Elements and Combinations

If BellSouth does not satisfy a DMOQ standard specified in Section 9.5 of Attachment 4 (Desired Delivery Date, Committed Delivery Date, and Completion Without Error for the provisioning/installation of Unbundled Network Elements), BellSouth will be liable to AT&T for liquidated damages ("Delay Credit") for each and every Service Order for non-customer specific Network Elements and Combinations that have been delayed or not properly completed. The Delay Credit shall consist of: (i) a waiver of any associated provisioning/installation charge; and (ii) a delay credit equal to $25,000 per day for each day of delay. If a single Service Order fails to meet two or more DMOQs and consequently accrues two or more Delay Credits, BellSouth will be liable only for the Delay Credit that would result in the highest amount.

3. Performance Failure Credits for Local Services, Network Elements and Combinations

3.1 If BellSouth does not satisfy a DMOQ standard specified in Sections 9.6 and 9.7 of Attachment 5, BellSouth will be liable for liquidated damages ("Performance Failure Credit") in the amounts set forth below for each and every outage/trouble call that is not restored/resolved in the specified interval. If restoration of a particular outage fails to meet two or more DMOQs and consequently accrues two Performance Failure Credits, BellSouth will be liable only for the Performance Failure Credit that would result in the highest amount.

Interval	Standard	Performance Failure Credit (per line or equivalent DSO circuit, per 24 hour period or part thereof)
Outage Requiring Premises Visit*		
	4 hours	90% $ 50.00
	8 hours	95% $ 75 00
	16 hours	99% $100.00
Outage Not Requiring Premises Visit		
	2 hours	85% $ 50.00
	3 hours	95% $ 75 00
	4 hours	99% $100.00
Trouble Calls	24 hours	95% $ 75.00

* Referrals received between 6:00 P.M. and 8:00 A.M. shall be treated as though it was received at 8:00 A.M. for DMOQ purposes.

4. Credits for Delayed or Improperly Provided Customer Usage Data

4.1 If BellSouth fails to satisfy the "Does-Not-Meet-Expectations" Rating Criteria set forth in Appendix 1 to Attachment 7 of this Agreement for providing Customer Usage Data, BellSouth will be liable for liquidated damages ("Customer Usage Credit") for each day that such data is delayed. The daily amount of the Customer Usage Credit shall be calculated using the following formula:

$$\frac{\text{(Number of Messages Delayed x Average Revenue Per Message)}}{30}$$

AT&T shall provide the Average Revenue Per Message

To be negotiated with BellSouth Advertising & Publish Co.

SUBJECT TO NEGOTIATIONS

AGREEMENT

In consideration of the mutual promises contained herein, BellSouth Advertising & Publishing Corporation, a Georgia corporation ("BAPCO") and AT&T Corp., a New York corporation ("CARRIER") agree as follows:

1. RECITALS. BAPCO is the publisher of alphabetical and classified directories for certain communities in the southeastern region of the U.S. (the "Directories"). CARRIER provides, or intends to provide, local exchange telephone service in communities in which BAPCO publishes Directories. BAPCO and CARRIER hereby establish the terms by which BAPCO will include listings of CARRIER subscribers in such Directories and by which BAPCO will provide such Directories to CARRIER subscribers.

2. CARRIER OBLIGATIONS. CARRIER agrees as follows:

(a) CARRIER shall provide to BAPCO, or its designee, at CARRIER's expense and at no charge, listing information concerning its subscribers (designating any who do not desire published listings), consisting of customer name, address, telephone number and all other information reasonably requested by BAPCO as set forth on Exhibit A for use by BAPCO or its affiliates or agents in publishing Directories of whatever type and format and for other derivative purposes such as electronic directories or publishing. Such subscriber listing information shall be provided in the format and on the schedule set forth in said Exhibit, or as otherwise mutually agreed between the parties from time to time.

(b) CARRIER shall also provide directory delivery information to BAPCO as set forth in Exhibit A for all subscribers.

(c) CARRIER shall advise BAPCO promptly of any directory-related inquiries, requests or complaints which it may receive from CARRIER subscribers and shall provide reasonable cooperation to BAPCO in response to or resolution of the same.

(d) CARRIER shall respond promptly regarding corrections or queries raised by BAPCO to process listing changes requested by subscribers.

3. BAPCO OBLIGATIONS. BAPCO agrees as follows:

(a) BAPCO shall include at no charge to CARRIER or CARRIER's subscribers one standard listing for each CARRIER subscriber per hunting group in BAPCO's appropriate local alphabetical Directory as published periodically by BAPCO unless notified or nonpublished status is designated by subscribers. Such listings shall be interfiled with the listings of other local exchange telephone company subscribers and otherwise published in the manner of such other listings according to BAPCO's generally applicable publishing policies and standards without designation as to the subscriber's exchange carrier.

(b) BAPCO will accept and publish ads for CARRIER'S subscribers, in BAPCO'S various directories, on a non-discriminatory basis, on the same terms and conditions, and at the same charges, as those applicable to BellSouth Communications, Inc. ("BellSouth") subscribers.

(c) Provided CARRIER is engaged in negotiations with BellSouth to establish appropriate resale/interconnection arrangements, BAPCO shall publish additional listings, foreign listings and all other alphabetical Directory listings offered by BellSouth, for CARRIER subscribers upon their request, consistent with BAPCO's generally applicable policies in BAPCO's alphabetical Directories. As used herein, the term "negotiations" includes mediation, arbitration and any other legal action, undertaken by either party, to effectuate resale/interconnection arrangements.

(d) BAPCO will distribute its regularly published alphabetical and classified Directories to local CARRIER subscribers in accordance with BAPCO's prevailing practices, including delivery following Directory publication and upon establishment of new CARRIER service, if a current Directory for that geographic area has not previously been provided. Such deliveries may include separate advertising materials accompanying the Directories.

(e) BAPCO will include CARRIER information in the customer guide pages of its alphabetical Directories where similar information is provided for BellSouth, for communities where CARRIER provides local exchange telephone service at the time of publication, and for those communities CARRIER has advised BAPCO it intends to provide local exchange telephone service prior to the next scheduled date of directory publication provided (i) CARRIER is authorized to provide local exchange telephone service within the applicable state, (ii) CARRIER certifies to BAPCO a service commencement date that it is reasonably certain it can meet; and (iii) the telephone numbers to be listed for the CARRIER are operational and answered either by a live attendant or appropriate recorded announcement. CARRIER will provide information requested by BAPCO for such purpose on a timely basis.

BAPCO shall include CARRIER's name on applicable Directory covers, without additional charge, unless more than five (5) other carriers have made such requests, in which case BAPCO may use applicable objective criteria (e.g. total number of local customers; total corporate assets; total revenues derived from other telephone services, etc.) to determine which five carriers' names will so appear on the cover.

(f) BAPCO shall make available at no charge to CARRIER or its subscribers one listing for CARRIER business customers per hunting group in one appropriate heading in BAPCO's appropriate local classified directory as published periodically by BAPCO. Such listings shall be published according to BAPCO's generally applicable publishing policies and standards.

(g) BAPCO agrees to solicit, accept and publish directory advertising from business subscribers for CARRIER in communities for which BAPCO publishes classified Directories in the same manner and upon substantially the same terms as it solicits, accepts and publishes advertising from advertisers who are not CARRIER subscribers.

(h) BAPCO shall not provide listing information relating to CARRIER subscribers to other local exchange providers, including BellSouth, or independent directory publishers without CARRIER approval, except as may be required in relation to this Agreement or as otherwise required by law.

4. PUBLISHING POLICIES. BAPCO shall maintain full authority over its publishing schedules, policies, standards, and practices and over the scope and publishing schedules of its Directories. BAPCO shall periodically provide CARRIER with changes by BAPCO in the same which in BAPCO's judgment affect CARRIER's conduct in BAPCO's publishing of listings for CARRIER's subscribers. Such policy updates shall include, without limitation, the subjects listed in Exhibit __.(To be supplied by BAPCO.)

5. LIABILITY AND INDEMNITY.

(a) Except to the extent caused by BAPCO's willful or wanton misconduct, BAPCO's liability to CARRIER for any errors or omissions in any residential subscriber listing in any directory published by BAPCO, shall be limited to One Dollar($1) for each such claim.

(b) Except as provided above, each party agrees to defend, indemnify and hold harmless the other from all damages, claims, suits, losses or expenses, including without limitation reasonable costs and reasonable attorneys fees, to the extent of such party's relative fault, arising out of or resulting from any error, omission or act of such party hereunder. Each party shall notify in writing the other promptly of any claimed error, act or omission which may give rise to a claim hereunder, and of any claim or suit arising hereunder or relating to this Agreement and each party shall provide reasonable and timely cooperation in its resolution of the same. Without waiver of any rights hereunder, the indemnified party may at its expense undertake its own defense in any such claim or suit.

(c) CARRIER agrees to limit its liability and that of BAPCO in any contract it enters with its subscribers, for any claim hereunder, to the subscriber's cost of service for the period of such act or omission.

(d) CARRIER agrees to include in any local service tariff it files, a provision limiting its liability, and to the degree permitted by law, and that of BAPCO, for any claims relating to directory listings or ads, to the subscribers' cost of local service and or the cost of the particular listing.

6. TERM. This Agreement shall be effective on the date of the last signature hereto for a term of two (2) years and shall relate to Directories published by

BAPCO during such period. Thereafter, it shall continue in effect unless terminated by either party upon sixty (60) days prior written notice.

7. ASSIGNMENT. This Agreement shall be binding upon any successors or assigns of the parties during its Term.

8. RELATIONSHIP TO THE PARTIES. This Agreement does not create any joint venture, partnership or employment relationship between the parties or their employees, and the relationship between the parities shall be that of an independent contractor. There shall be no intended third party beneficiaries to this Agreement.

9. NONDISCLOSURE.

(a) During the term of this Agreement it may be necessary for the parties to provide each other with certain information ("Information") considered to be private or proprietary. The recipient shall protect such Information from distribution, disclosure or dissemination to anyone except its employees or contractors with a need to know such Information in conjunction herewith, except as otherwise authorized in writing. All such Information shall be in writing or other tangible form and clearly marked with a confidential or proprietary legend. Information conveyed orally shall be designated as proprietary or confidential at the time or such oral conveyance and shall be reduced to writing within forty-five (45) days.

(b) The parties will not have an obligation to protect any portion of Information which: (1) is made publicly available lawfully by a nonparty to this Agreement; (2) is lawfully obtained from any source other than the providing party; (3) is previously known without an obligation to keep it confidential; (4) is released by the providing party in writing; or (5) commencing two (2) years after the termination date of this Agreement if such Information is not a trade secret under applicable law.

(c) Each party will make copies of the Information only as necessary for its use under the terms hereof, and each such copy will be marked with the same proprietary notices as appear on the originals. Each party agrees to use the Information solely in support of this Agreement and for no other purpose.

10. FORCE MAJEURE. Neither party shall be responsible to the other for any delay or failure to perform hereunder to the extent caused by fire, flood, explosion, war, strike, riot, embargo, governmental requirements, civic or military authority, act of God, or other similar cause beyond its reasonable control. Each party shall use best efforts to notify the other promptly of any such delay or failure and shall provide reasonable cooperation to ameliorate the effects thereof.

11. PUBLICITY. Neither party shall disclose the terms of this Agreement nor use the trade names or trademarks of the other without the prior express written consent of the other.

12. REPRESENTATIVE AND NOTICES.

(a) Each party shall name one or more representatives for contacts between the parties which shall be authorized to act on its behalf. Such representatives may be changed from time to time upon written notice to the other party.

(b) Notices required by law or under this Agreement shall be given in writing by hand delivery, certified or registered mail, or by facsimile followed by certified or registered mail, addressed to the named representatives of the parties with copies to:

If to BAPCO:

Director-LEC/BST Interface
BellSouth Advertising & Publishing Corporation
Room 270
59 Executive Park South
Atlanta, GA 30329

With Copy to:

Vice President and General Counsel
BellSouth Advertising & Publishing Corporation
Room 430
59 Executive Park South
Atlanta, GA 30329

If to CARRIER:

With Copy to: Norman H. Rosner
Senior Attorney
1200 Peachtree Street, NE
Room 4080
Atlanta, GA 30309

13. MISCELLANEOUS. This Agreement represents the entire Agreement between the parties with respect to the subject matter hereof and supersedes any previous oral or written communications, representations, understandings, or agreements with respect thereto. It may be executed in counterparts, each of which shall be deemed an original. All prior and contemporaneous written or oral agreements, representations, warranties, statements, negotiations, and/or understandings by and between the parties, whether express or implied, are superseded, and there are no representations or warranties, either oral or written, express or implied, not herein contained. This Agreement shall be governed by the laws of the state of Georgia.

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized representative in one or more counterparts, each of which shall constitute an original, on the dates set forth below.

BELLSOUTH ADVERTISING & PUBLISHING CORPORATION

{_____

By:

Title:

Date:

AT&T CORP.:

By: _____

Title: _____

Date: _____

By: _____

Title: _____

Date: _____



Preston G. Foster
District Manager
Strategic Planning - Market Entry

Room 10140
1200 Peachtree St.
Atlanta, GA 30309
404 810-8548
FAX: 404 810-8477
ATTMail!pfoster

July 16 1996

Dear Suzie

Attached is the BST proposed negotiations schedule, scheduling matrices, and the Table of Contents to the AT&T Interconnection Agreement Please use these forms (or any other media you're comfortable with) to schedule our small team negotiations. Please list any sections, attachments, or issues that you are *excluding* from negotiation.

Feel free to call me at any time on (404) 810-8548.

Sincerely,

Preston G Foster
Lead Negotiator
AT&T

BellSouth's Proposed Schedule
for TSR/UNE/LI Negotiations
7/3/96

The following schedule replaces the existing Core Team schedule:

7/05 - 7/12	No Core Team Level Meetings (no meetings with Lavett or Peed)
7/12	BellSouth delivers list of items inclusion in Alabama mediation (AT&T 6/28/96 proposal)
7/15	Finalize mediation issues (exclude from negotiations)
7/16	BellSouth delivers red lined version of pages 1-20 (AT&T 6/28/96 proposal)
7/17 - 7/18	Conference calls, faxes to close on pages 1-20
7/19	BellSouth delivers red lined version of Resale (AT&T 6/28/96 proposal)
7/22 - 7/23	Meet to close on Resale
7/24	BellSouth delivers red lined version of UNE
7/26	Meet to close on UNE
7/26	BellSouth delivers Ancillary red lined version
7/30	Meet to close on Ancillary

Parallel Meetings/Activities:

- Cost data exchange, discussions
- Price discussions
- Operation planning
- Electronic Interface planning and development

AT&T/BellSouth Core Team Negotiations
Terms & Conditions

Lead Negotiators:

AT&T:_____

BST:_____

Issue/Agreement Reference	Priority	Core Team Owners	Phone	SME's	Phone	Negotiations Start/End	Bridge No./Time	Status
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				
		AT&T: BST:		AT&T: BST:				

Comments:

Resources Needed:

AT&T/BellSouth Core Team Negotiations
Ancillary Items

Lead Negotiators:

AT&T:_____

BST:_____

Issue/Agreement Reference	Core Team Owners	Phone	SME's	Phone	Negotiations Start/End	Bridge No./Time	Status
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				

Comments:

Resources Needed:

AT&T/BellSouth Core Team Negotiations
Interconnection

Lead Negotiators:

AT&T:_____

BST:_____

Issue/Agreement Reference	Core Team Owners	Phone	SME's	Phone	Negotiations Start/End	Bridge No./Time	Status
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				

Comments:

Resources Needed:

AT&T/BellSouth Core Team Negotiations
Unbundled Network Elements

Lead Negotiators:

AT&T:_____

BST:_____

Issue/Agreement Reference	Core Team Negotiators	Phone	SME's	Phone	Negotiations Start/End	Bridge No./Time	Status
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
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	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				

Comments:

Resources Needed:

AT&T/BellSouth Core Team Negotiations
Local Services Resale

Lead Negotiators:

AT&T:_____

BST:_____

Issue/Agreement Reference	Core Team Negotiators	Phone	SME's	Phone	Negotiations Start/End	Bridge No./Time	Status
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				
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	AT&T: BST:		AT&T: BST:				
	AT&T: BST:		AT&T: BST:				

Comments:

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Attachment 13	BAPCO Agreement

AT&T/BST NEGOTIATIONS SCHEDULE

CONTRACT REFERENCE	CORE TEAM NEGOTIATORS	SME's	DATE BST TO DELIVER "REDLINED" VERSION	DATE/TIME OF CONFERENCE CALL(s)	BRIDGE NUMBERS
Attachment 6	Lavett/ Nelson	Steele/Ray	7/16/96C	7/17, 7/19, 7/29 C 7/31 2 PM ET	 702 785-1968 Access 479522
Attachment 7	Lavett/ Nelson	Wilcox/Ray	7/16/96C	7/17,7/19 C 7/31 2 PM ET	 702 785-1968 Access 479522
				7/22 10amET C	Steele to provide
Part I	Lavett/ Nelson	Lavett/ Bradbury/	7/22 C	7/23 8am ET C	L205 970-3622 P205 970-3742 Access 8792
				7/25 8am ET C	AT&T to provide
Attachment 5	Lavett/ Nelson	Anderson, Carnes, Griffin/ Bradbury	7/22 AM C	~~7/22 PM changed~~ 7/29 9 AM C 7/31/96 3 PM ET	 702 785-1968 Access 479522
Attachment 4	Lavett/ Nelson	Sims/ Stanley	8/1	8/2 8am ET	L205 970-3622 P205 970-3742 Access 8792
Attachment 11	Lavett/ Nelson	Lavett/ Nelson	N/A	8/2 8am ET after Attachment 4	See Attachment 4
Attachment 9	Lavett/ Nelson	Lavett/ Nelson	N/A	8/2 8am ET after Attachment 4	See Attachment 4
Attachment 12	Lavett/ Peed/ Nelson/ Anderson	N/A	N/A	8/6	AT&T to provide
Attachment 2 & related contract language: Loop and Transport	Lavett/ Schafer	Atherton/ (AT&T)	7/24 C 8/1 2nd edition	7/26 2 PM ET C 8/2 1:30 PM ET	309 671-3641 Access 294832 L205 970-3621 P205 970-3741 Access 1123
Attachment 2 & related contract language: Switching, Signaling & AIN	Lavett/ Schafer	Atherton/ Regas/ Conn/ (AT&T)	7/26 C Note: included Op. Svcs	7/30 9:30 AM ET	309 671-3645 Access 294832
Attachment 2 & related contract language: Data Base Services, Operator Svc.,	Lavett/ Schafer	Atherton/ Latham /(AT&T)	7/30	8/1 9:30 AM ET	309 671-3645 Access 294832
Interconnection	Lavett/	Atherton/	TBD	TBD (Try to discuss on 8/1 call)	"
Attachment 3	Lavett/ Schafer	Latham/ (AT&T)	7/30	8/1 9:30 AM ET	309 671-3645 Access 294832

AT&T/BST NEGOTIATIONS SCHEDULE

CONTRACT REFERENCE	CORE TEAM NEGOTIATORS	SME's	DATE BST TO DELIVER "REDLINED" VERSION	DATE/TIME OF CONFERENCE CALL(s)	BRIDGE NUMBERS
Attachment 8	Lavett/ Schafer	Atherton/ Hamman	7/30	8/1 9:30 AM ET	309 671-3645 Access 294832
Contract Sections 1-22	Peed/ Anderson	N/A	7/17C	7/18 C 7/19 C	
Attachment 10	Peed/ Anderson	N/A		8/2	
Contract Part 4	Hendrix/ Brown		8/6	8/7 8/9	AT&T to provide
Items from Executive Team:					
Escalations	Lavett/ Foster	Atherton/ Milner	N/A	7/31 11:30 PM ET (Planning)	Internal meeting with Schaefer.
Disaster Recovery	Lavett/ Nelson	TBD	N/A	7/31 12:30 PM ET (Planning)	Face to face Atlanta Nelson, Lavett, Foster

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July 10, 1996

Judge John A. Garner
Administrative Law Judge
ALABAMA PUBLIC SERVICE COMMISSION
RSA Building
100 North Union Street
Montgomery, Alabama 36104

VIA HAND DELIVERY

Dear Judge Garner:

This responds to your letter of July 3, 1996 regarding BellSouth's request for mediation under the Telecommunications Act of 1996 (the "Act"). From the onset, on behalf of AT&T let us express our appreciation for the efforts you, Darrell Baker, and others at the Alabama Public Service Commission are about to expend to help AT&T and BellSouth reach agreement on the many issues raised by the passage of the Act earlier this year. As you may have heard, early on in negotiations AT&T used the mediation process to work through various issues relative to BellSouth providing cost studies to AT&T. That experience has taught us that mediation can work--indeed it helped avoid potentially protracted litigation with BellSouth over BellSouth's failure to deliver necessary cost information.

To set the stage for the upcoming discussions in Alabama, we thought it would be helpful to first describe the negotiations that have been underway for the past several months. Negotiations were kicked off on March 4, 1996 when AT&T requested BellSouth to commence interconnection negotiations for the states of Georgia, Florida, North Carolina and Tennessee pursuant to Sections 251 and 252 of the Act. AT&T subsequently initiated negotiations in Louisiana on April 15, 1996; in Alabama and Kentucky on May 6, 1996, and in Mississippi and South Carolina on June 10, 1996.

The negotiations have been taking place simultaneously at three levels--Subject Matter Expert ("SME"), "Core Team" and Executive Team discussions. Detailed operational and cost negotiations occur on a daily basis at the SME level. The SMEs are broken out into discreet subteams covering subject matter areas such as the resale of local services, the network elements used for the origination and completion of local exchange and interexchange services traffic; and the

prices and terms for such services. The Core Team meets on a weekly basis to negotiate issues that cannot be resolved at the SME level. When the Core Team reaches an impasse, the Executive Team meets as needed in an attempt to reach closure on the unresolved issues. To date, there have been over 84 meetings among the operational SME subteams; over 15 meetings among the Cost Team SMEs; over 24 Core Team meetings and over 18 Executive Team meetings.

Despite these meetings, from the very beginning of negotiations AT&T has been disappointed at the level of resources BellSouth has placed on negotiations as well as the lack of empowerment that BellSouth's negotiators have brought to the table. To date, their negotiating team principally has consisted of three individuals: Suzie Lavett, Lead Negotiator-Interconnection Services; Mary Jo Peed, General Attorney; and Scott Schaefer, V.P.- Marketing Interconnection Services. AT&T, on the other hand, has had no less than fifteen representatives engaging in the negotiations with BellSouth.

AT&T would not be concerned about the number of BellSouth's representatives who are dedicated to negotiations if BellSouth were to send to the table representatives who are prepared, more importantly, empowered to negotiate. Frequently, they are not. Thus, AT&T believes your first challenge in the mediation process will be to get BellSouth to devote more empowered resources to the negotiations. Just scheduling more meetings between us will not work—we need the right people at the table who are knowledgeable about the issues and who can make commitments on behalf of BellSouth.

With respect to the substance of negotiations, on June 5, 1996, AT&T submitted a comprehensive proposal to BellSouth regarding Local Services Resale and on June 21, 1996, AT&T provided BellSouth an Interconnection and Unbundled Network Elements Pricing Proposal. BellSouth has never provided a meaningful response to either of these proposals. Subsequently, AT&T incorporated these proposals as part of a "complete interconnection agreement" which AT&T provided to BellSouth on June 28, 1996. BellSouth has not yet responded to this "complete interconnection agreement" either.

During our last Core Team meeting on July 3, 1996, BellSouth informed AT&T that BellSouth will no longer negotiate the issues upon which the parties thus far have "agreed to disagree." Likewise, on July 5, 1996, Scott Schaefer informed AT&T that BellSouth also will not continue to attempt to resolve these issues in any further Executive Team meetings. In fact, BellSouth canceled the next Executive Team meeting scheduled for this Thursday, July 11th.

As we approach the 135th day of negotiations relative to the first four states for which negotiations were requested, it is unfortunate that BellSouth has elected to cease negotiations regarding these crucial issues. Although, as mentioned above, AT&T fully supports the mediation process, we also would like to continue negotiations at the SME, Core Team and Executive Team level to reach resolution as well. We hope that you will agree that mediation should be a compliment to negotiations, rather than a replacement for them.

In accordance with your request, AT&T will prepare a list of unresolved issues and a position statement regarding each issue. In addition, AT&T will attend this meeting with appropriate representatives who will be prepared to discuss matters of procedure and substance and who will be able to commit AT&T to any matters that may arise during the course of the meeting. These representatives will include William J. Carroll, AT&T Vice President-Southern Region, Loretta A. Cecil, Law and Government Affairs Vice President-Southern Region and Gene V. Coker, Law and Government Affairs Vice President-AL, KY, MS and TN. Sylvia Anderson, Neil Brown, Ray Crafton, Greg Follensbee, Preston Foster and Pam Nelson, all members of AT&T's Core Team also will be present.

Respectfully submitted,

ROBERT S. RICHARD

CHAD S. WACHTER
On behalf of AT&T

cc: D. Owen Blake, Esq. (Via Facsimile)

confidential unless the parties thereto mutually consent otherwise. That position is entirely consistent with the positions of numerous other state Commissions and the traditional rules of mediation. Furthermore, the Commission's confidentiality position is supported by the general rules of evidence which treat as inadmissible offers of settlement or compromise and conduct or statements made in compromise negotiations.

Given the Commission's position with respect to the confidentiality of mediation proceedings, BellSouth's proposal to exclude from the confidentiality requirements all matters except actual offers of settlement and my recommendations and positions as mediator was a reasonable effort to compromise. It is unfortunate that BellSouth's proposal was not acceptable with AT&T.

It is with great regret that this correspondence is dispatched. It is my sincere hope that the parties can somehow come to agreement on how to forge ahead with meaningful and successful negotiations.

Sincerely,

John A. Garner
Administrative Law Judge

JAG:cml

STATE OF ALABAMA
ALABAMA PUBLIC SERVICE COMMISSION
P.O. BOX 991
MONTGOMERY, ALABAMA 36101-0991

July 12, 1996

JIM SULLIVAN, PRESIDENT
JAN COOK, ASSOCIATE COMMISSIONER
CHARLES B. MARTIN, ASSOCIATE COMMISSIONER

WALTER L. THOMAS, JR.
SECRETARY

Ms. Mary Jo Peed
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Ms. Loretta A. Cecil
Law and Government Affairs
Vice President - Southern Region
AT&T Communications of the South
Central States
1200 Peachtree Street, NE, Suite 4020
Atlanta, Georgia 30309

Dear Ms. Peed and Ms. Cecil:

As the result of our discussions on this date, it appears that mediation of the unresolved issues in the negotiations between AT&T and BellSouth is not possible since agreement on the threshold issue of the confidentiality of the mediation proceedings cannot be reached. I have considered all compromises possible and made the suggestions I felt appropriate in that regard. It is apparent, however, that agreement will not be reached on the confidentiality issue. You have both indicated an unwillingness to go forward without such an agreement.

As I outlined in my letter of July 3, 1996 scheduling yesterday's initial mediation proceeding, and in my opening remarks in yesterday's proceeding as well, the mediation was envisioned as a confidential process whereby the parties could freely negotiate without the fear of a particular position or statement offered in settlement being used against them in any subsequent proceedings.

The Commission is in the process of promulgating formal guidelines governing mediation and the other procedures required by the Telecommunications Act of 1996. As they are currently drafted, those guidelines specify that the mediation process will be

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TAB 2 COMPLETE SET OF ILLUSTRATIONS

TAB 3 RESALE ORDERING GUIDELINES

TAB 4 DISKETTE WITH ORDERING DOCUMENTS

(NOT ATTACHED)

TAB 1

BellSouth's Preliminary Report to the Georgia Public Service Commission on Operational Interfaces Between BellSouth and Resellers

June 21, 1996

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(ILLUSTRATED)

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Introduction

On June 12, 1996, the Georgia Public Service Commission ordered BellSouth to file within 30 days a joint report with AT&T on the operational interfaces between BellSouth and resellers of BellSouth's local exchange service. For more than a year, BellSouth has devoted extensive human and financial resources to its operational plans for accommodating other local service providers, and to implementing those plans. Therefore, this document is being filed as BellSouth's preliminary report on the status of its operational preparedness. While that preparedness encompasses the local market entry of both resellers and facilities-based local service providers, this report focuses on resale operations.

In keeping with the Commission's order, this report will describe the operational interfaces BellSouth has already developed and has available, or has made significant progress toward developing, for pre-service ordering, service ordering and provisioning, service trouble reporting, daily usage information, and the directory assistance and line information databases. In addition, BellSouth will describe the scope of its intensive internal operational preparations for providing customer service to resellers -- preparations which have required the expenditure of thousands of work hours as well as millions of dollars in internal systems changes. This report also includes a description of the key assumptions BellSouth made in support of its resale operations planning effort. Finally, diagrams depicting the processes BellSouth has developed are referenced throughout this report. A complete set of these diagrams also is contained in Tab 2.

Background

Upon passage of Senate Bill 137 by the Georgia Legislature in March, 1995, BellSouth immediately intensified its planning to accommodate competition in the local exchange marketplace.

BellSouth established an interdepartmental operations planning team to identify solutions for the pre-ordering, ordering, provisioning, billing and repair needs of other local exchange companies (OLECs). Because of the broad scope and sheer number of the issues, the solutions developed have involved and will affect almost every aspect of BellSouth's operations. For example, operational preparations have thus far resulted in:

- Numerous modifications to ordering and billing systems
- Development or modification of operational interfaces
- Extensive process and procedure changes
- Employee training on new procedures and obligations
- Establishment of new roles and responsibilities

Despite the extent of the work already completed, this work is not yet at an end. The magnitude of this ongoing effort has involved extensive resources within BellSouth and has generated significant expense. For example, the operations team itself has averaged approximately ten full time members since April of 1995, with numerous other employees involved on an *ad hoc* basis during that same period. By conservative estimate, the ten full time members alone represent more than 27,000 work hours expended thus far. In addition, expenditures for internal operational support and billing system modifications needed in connection with OLECs' entry (both resellers and facilities-based) are expected to approach $5 million by the end of 1996. This amount does not include the projected costs of electronic operational interfaces for resellers, which currently are estimated to be approximately $10.5 million. Of course, expenditures of such magnitude highlight the need for determining how BellSouth will recover the costs incurred to serve OLECs.

Operations Assumptions for Resale

Given the fact that the Georgia legislation allowed local competitors to enter the market as early as July 1, 1995, BellSouth set for itself the objective of ensuring that it could accommodate the initial entry of any reseller by that date. No companies, however, indicated an interest in having operational discussions relative to resale until

several months after the legislation had passed. Therefore, in undertaking its operations planning, BellSouth had to make a number of assumptions about the resale market, and about resellers' operational requirements.

BellSouth proceeded under the assumption -- which has proven to be well founded -- that it would need initially to be prepared to interface with a range of resellers with varying capabilities. These included "Mom and Pop" resellers, whose mechanization needs and capabilities would likely be minimal, as well as more sophisticated resellers such as large interexchange carriers. BellSouth's initial objective was to move quickly to ensure it could operationally accommodate the initial entry of any reseller, then to proceed with developing more sophisticated interfaces if warranted, as the resale market picture became more clear.

Based on its experience with access services, BellSouth recognized that large resellers ultimately might prefer mechanized interfaces. However, BellSouth also assumed that -- as with mechanized interfaces for access services -- those resellers would want industry solutions to mechanization issues. For example, given that large resellers could be expected to operate nationally from centralized operations centers, it would not appear cost-effective for those resellers to use different mechanized arrangements to interface with different local exchange companies. Furthermore, it would have been an imprudent use of resources for BellSouth to establish independent mechanized interfaces, knowing that subsequently the industry could well establish different standards, standards that BellSouth ultimately would be expected to meet. On the basis of these assumptions, BellSouth initiated development of interfaces where industry standards were unlikely to be at issue -- such as for trouble reporting, usage detail and pre-ordering information. For those interfaces that were likely to require conformity with national standards -- principally ordering interfaces -- BellSouth actively participated in the industry's Ordering and Billing Forum (OBF) committees as they began to address ordering issues related to the resale of local exchange services.

Another key assumption, which has been supported in operations discussions with potential resellers, was that the overwhelming bulk of resellers' orders to BellSouth would be for the purpose of switching BellSouth's existing customers to the reseller. **The significance of this assumption cannot be overstated, as it means that no pre-ordering information is required for the vast majority of resale service orders.** For example, when switching a customer with existing service, it will not be necessary for a reseller to assign a telephone number, ascertain an installation date, nor investigate product and service availability. The reseller will merely notify BellSouth that the end user has elected to become a customer of the reseller, and BellSouth will make the necessary changes in the billing records, with no disruption of service to the end user. In short, to compete for existing customers who are switching their service "as is", there will be no need for a reseller to access *any* pre-service ordering information. Nonetheless, to accommodate certain other types of orders, BellSouth has devoted substantial resources to developing both interim and longer-term pre-ordering interfaces, which this report describes in detail. In BellSouth's view, however, for the bulk of resale orders it will not be essential that completely mechanized pre-ordering interfaces be made available by July 15, nor would it be possible to meet that expectation.

* * * * *

This report will describe the operational interfaces BellSouth already has made available; in so doing it also will detail BellSouth's considerable progress in introducing electronic interfaces for resellers. Prior to that discussion, however, it is important to consider both the magnitude of the other operational work that has been performed and the concomitant expense that this effort has generated. It is equally important to note that this considerable expense has thus far been absorbed by BellSouth in order to effectively accommodate competitors' entry into the local exchange market.

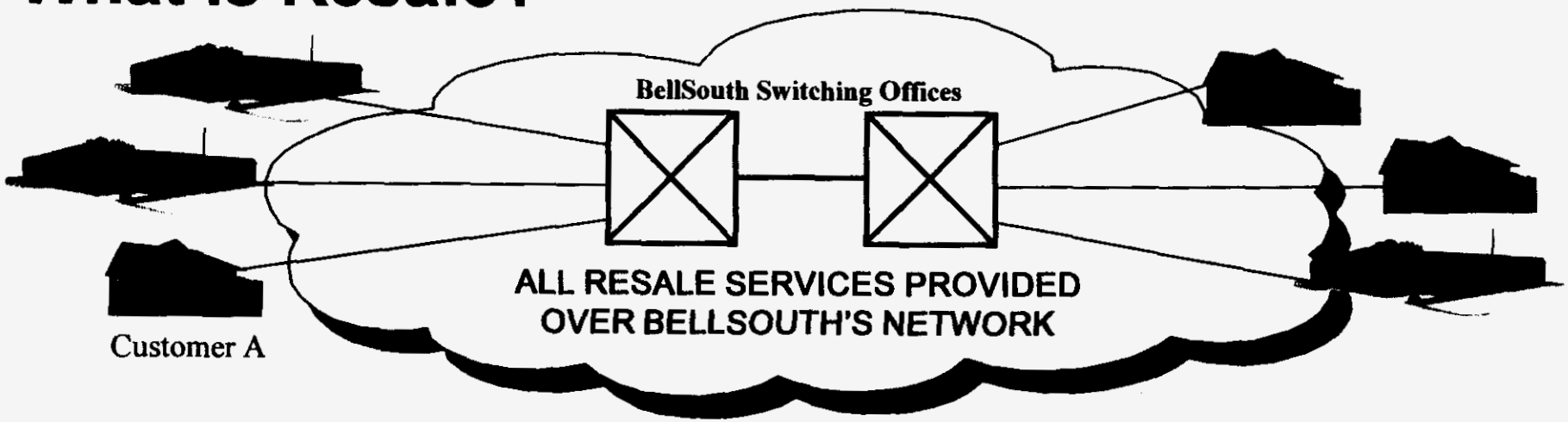
Resale Customer Service

In keeping with its goal of supporting initial reseller entry by July 1, 1995, the BellSouth operations team quickly identified the need for a dedicated center to serve these new entrants. Accordingly, BellSouth established the Local Carrier Service Center (LCSC) as the point of contact for all resellers for ordering and billing matters. That center was in place prior to July 1, 1995. Equipping that center has thus far resulted in capital expenditures of nearly $500K. This cost was incurred to purchase routers, servers, terminals and other equipment necessary to provide the LCSC service representatives with the ability to process orders and billing inquiries for resellers, and to provide the foundation for longer term mechanization efforts. In addition, the center hired LCSC service representatives, and trained them on the types of orders, both simple and complex, that resellers were expected to generate. A simplified description of BellSouth's view of the resale process is depicted in Figure 1 on the following page. Subsequent figures provide greater detail on particular operational interfaces, such as ordering, pre-ordering, trouble reporting, and billing detail.

In a further effort to assist resellers, BellSouth assigned account team managers from the InterConnection Services business unit to all new entrants. Also, the responsibilities of existing account teams serving interexchange carriers (IXCs) have been expanded to support the needs of IXCs who become resellers. These teams assist the resellers (as well as facilities-based OLECs) with such activities as completing ordering documents for complex resold services, establishing the reseller's initial account with BellSouth, and resolving service matters beyond the scope of the LCSC.

BellSouth also has developed a handbook entitled Resale Ordering Guidelines. This handbook is provided to all resellers or potential resellers to give them an overview of the entire resale process, as well as to assist them with their interaction and communications with BellSouth. A copy of this handbook is included in Tab 3 of this report. In addition, while it has not been included in this report, a

What is Resale?



Customer A Switches to a Reseller

What the RESELLER does:

- Takes orders from **Customer A**
- Bills **Customer A** for service
- Takes repair calls from **Customer A**
- Makes all arrangements with BellSouth

What BELLSOUTH does:

- Processes **resellers'** service orders
- Bills **reseller** for Customer A's service
- Repairs service when needed on behalf of **reseller**
- Provides all lines and features

☎ **BellSouth has established ordering, billing, and repair arrangements for Resellers that make resale transparent to end users. Examples of these arrangements follow.**

FIGURE 1

similar handbook is available to explain ordering processes for facilities-based interconnection and unbundled services, and can be provided upon request.

Internal Systems Changes

Early in its planning process, BellSouth recognized that it would be essential to "protect" the reseller's records from the end user marketing centers. As a result, BellSouth initiated system modifications to "restrict" resellers' end user account information from BellSouth's end user customer service centers. Simultaneously, BellSouth developed a process to display the reseller's telephone number to end user service representatives, so that, if the end user should mistakenly call BellSouth, the service representative could provide the reseller's number to the end user. Accomplishing the records restrictions and developing the informational screen to provide the resellers' telephone numbers required significant systems work on BellSouth's part, and resulted in an expenditure of approximately $400K.

Likewise, BellSouth determined that repair attendants and service technicians would need additional information to indicate when an account belonged to a reseller. This involved even more systems modifications.

Extensive employee training has been required as well. For example, service representatives, repair attendants and service technicians have been trained on their obligation to provide the same quality service to resellers that BellSouth provides to its retail customers. These employees have been instructed to make no attempt to win the customer back to BellSouth should the end user inadvertently contact BellSouth.

Ordering Interfaces

BellSouth has been more than willing to develop an electronic arrangement for order communications, both to accommodate the needs of resellers who might choose this as an optional method of operation, and to establish a foundation for future mechanization of BellSouth service orders. In fact, for several months prior to the Commission's order, BellSouth had been discussing with AT&T the feasibility of an electronic order communications process, such as an Electronic Data Interchange (EDI) arrangement. In those discussions, BellSouth repeatedly expressed two concerns.

First, as early as September of 1995 and on many occasions thereafter, BellSouth advised AT&T that a key element in enabling BellSouth to make a fact-based decision on the cost-effectiveness of electronic order communications would be the availability of AT&T's order forecast. This was necessary to evaluate whether the expense of such an interface would be warranted by the volume of transactions. Second, BellSouth's objective was to be certain it offered an interface that met the needs of all resellers, not just AT&T. BellSouth therefore expressed concerns that proceeding with an AT&T-specific interface would be wasted investment on BellSouth's part if a different process were adopted as the national standard by the industry's Ordering and Billing Forum (OBF), which had been actively evaluating the resale ordering process and associated systems. Appendix A lists the OBF committee meeting dates in which this subject has been or will be discussed.

In the meanwhile, BellSouth had developed a simple manual method for exchanging service request information between BellSouth and resellers. BellSouth believes that the simplicity of the process it designed ensures that the switch from one local carrier to another will be transparent to an existing end user. In fact, BellSouth already has processed more than 1,000 resale local service requests in this manner.

In developing this process, BellSouth considered three primary factors:

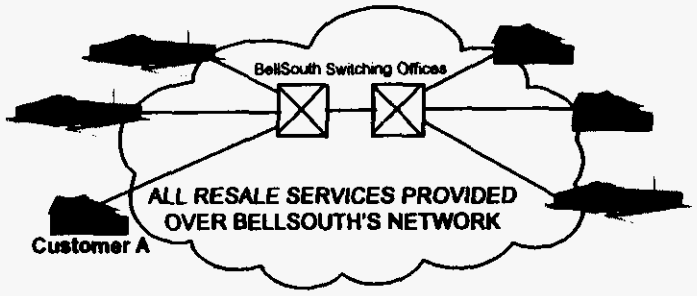
1. The need to be prepared for initial entry by July 1, 1995
2. The likelihood that national standards would emerge
3. The fact that almost all orders would be for existing customers who were switching service "as is"

Given these assumptions, BellSouth developed a resale service request form that could accommodate a switch "as is" with only minimal entries by the reseller, such as the customer's name and telephone number, and a check in the box for "switch as is". A sample copy of this form depicting an existing account being switched "as is" is provided as Appendix B. The service request form was developed with multiple sections to accommodate other situations, such as orders for new service, disconnects, or feature changes. BellSouth's expectation was that resellers initially would fax these forms to the LCSC. The resale order forms also have been made available on computer diskette, to enable resellers with personal computers (PCs) to fax the forms directly from their PCs to the LCSC. Tab 4 of this report includes a diskette containing the local service request forms.

With this streamlined arrangement, for the bulk of service orders the reseller can provide three items of information -- the customer name, existing telephone number, and the effective date of the switch. Further, the reseller can transmit this information directly from the reseller's PC to the LCSC, where the service representative changes the billing records, and sends a firm order confirmation back to the reseller (Section D on the form in Appendix B). The effective date of the billing change will be the service request date, not the order processing date. This process, and the fact that it is transparent to the end user of the resold service, is depicted in Figure 2 on the following page.

Local Competition - Resale

How a Customer Switches to a Reseller



☎ With either electronic or paper ordering process, BellSouth changes billing from Customer A to Reseller to reflect requested change date. Customer A is not affected by ordering process between Reseller and BellSouth.

Example: Customer A Switches to a Reseller of BellSouth's Service

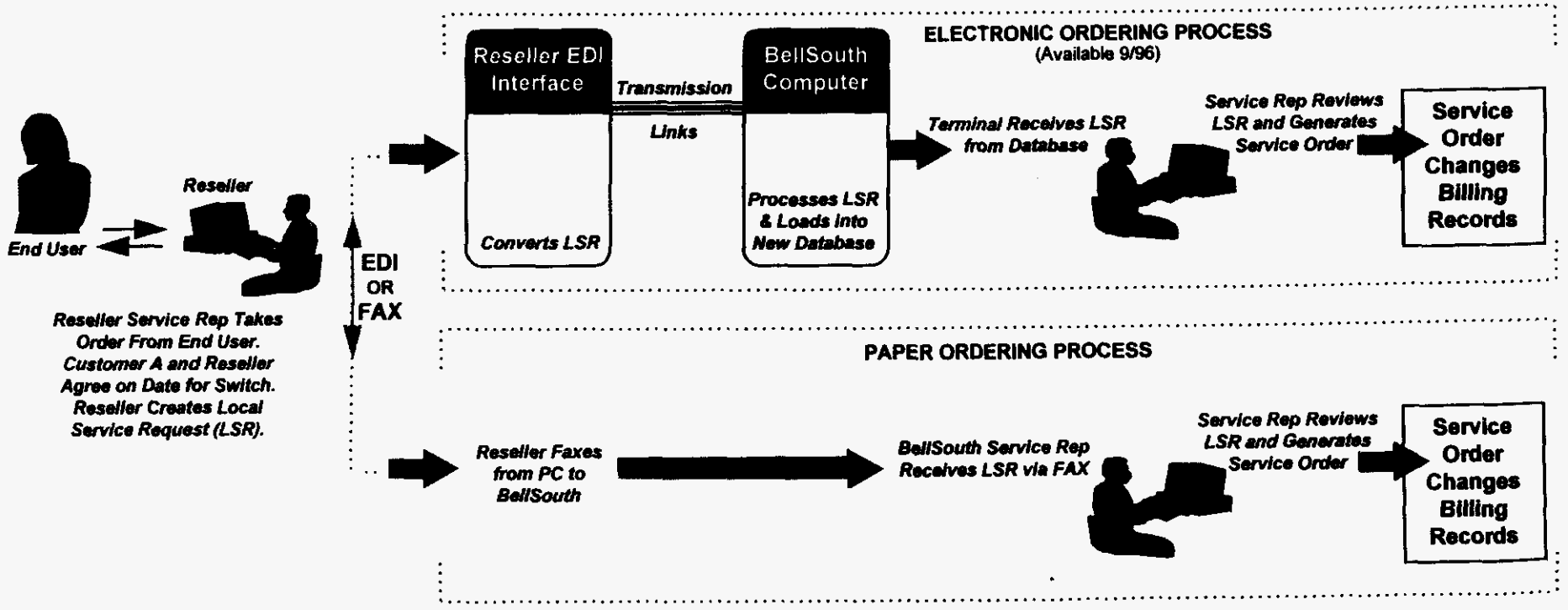


FIGURE 2

In April of 1996, there were two significant developments related to BellSouth's stated concerns. First, AT&T finally provided BellSouth with a preliminary ordering forecast. BellSouth obtained that information pursuant to a non-disclosure agreement, and thus will not disclose its contents here. However, it did contain some information that provided BellSouth with a factual basis for proceeding with an electronic order communications process.

Second, on April 23, the Ordering and Provisioning Committee of OBF recommended adopting an EDI-based standard for resale order communications. This recommendation gave more assurance that BellSouth's development efforts would be in keeping with the eventual national standard.

On the basis of these developments, the following week BellSouth dedicated a team of technical experts to work with AT&T on the technical details of the implementation. BellSouth's expectation was that the initial EDI links for an order transmission and confirmation process for basic orders could be completed by a fast-track date of August 1, 1996. Completion now is expected in September of 1996, due to the additional time required for AT&T to secure appropriate hardware and software to support the development effort. However, this date appears to more than satisfy AT&T's actual need.

The reliance upon a common standard, as well as time-consuming negotiations among the participants, are critical features of any EDI implementation. For example, as explained in a 1996 text entitled Frontiers of Electronic Commerce:

> EDI relies on the use of standards for the structure and interpretation of electronic business transactions. All trading partners must use a common standard, to reduce errors and ensure accurate translation of data, regardless of the computer systems involved.[1]

---

[1] Kalakota, R. and Whinston, A.B., Frontiers of Electronic Commerce, p. 369 (1996). Emphasis added.

Given the technical details that must be negotiated, an implementation date of July 15, 1996 will not be possible, nor does it appear that AT&T needs this capability by July 15. Such technical negotiations are a standard feature of any EDI implementation, and are the main reason why it is not unusual for an EDI implementation to be lengthy. The EDI implementation description contained in Frontiers of Electronic Commerce is illustrative here:

> EDI implementation starts with an agreement between a company and its trading partner. The two parties decide which standard (ANSI X.12 or UN/EDIFACT) will be used, the nature of the information to be exchanged (invoice, purchase order, payment order/remittance), the network carrier (or value-added network), and the mode of information transmission (e-mail: X.400, X.435; Internet e-mail standards: RFC 822, MIME; Internet point-to-point connections: TELNET, FTP, World Wide Web).[2]

Further, the parties must agree on the characteristics of every field on every business form that will be used:

> EDI standards are very broad and general because they have to meet the needs of all businesses. EDI messages, however, share a common structure:
>
> 1. *Transaction set* is equivalent to a business document, such as a purchase order. Each transaction set is made up of data segments.
> 2. *Data segments* are logical groups of data elements that together convey information, such as invoice terms, shipping information, or purchase order line.
> 3. *Data elements* are individual fields, such as purchase order number, quantity on order, unit price.[3]

The need to negotiate every detail of every transaction is one of the primary drivers of the implementation timetable, and is therefore one of the key reasons why the July 15, 1996 availability date is not feasible. BellSouth has a team of technical experts currently working to develop such a specific structure based on the OBF-recommended standard. While those experts are jointly developing the initial structure with a team from AT&T, the structure being

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[2] Ibid.
[3] Ibid., p. 373.

developed is not intended to be specific to BellSouth and to AT&T. Rather, it is intended to be the structure for any local service provider using EDI-based order communications with BellSouth, and of course, BellSouth will provide its technical experts to work with those parties as well.

The resale order flow involving BellSouth's electronic order communications process also is depicted in Figure 2. As that figure shows, the order communications method -- whether electronic or manual -- is transparent to the end user of the resold service.

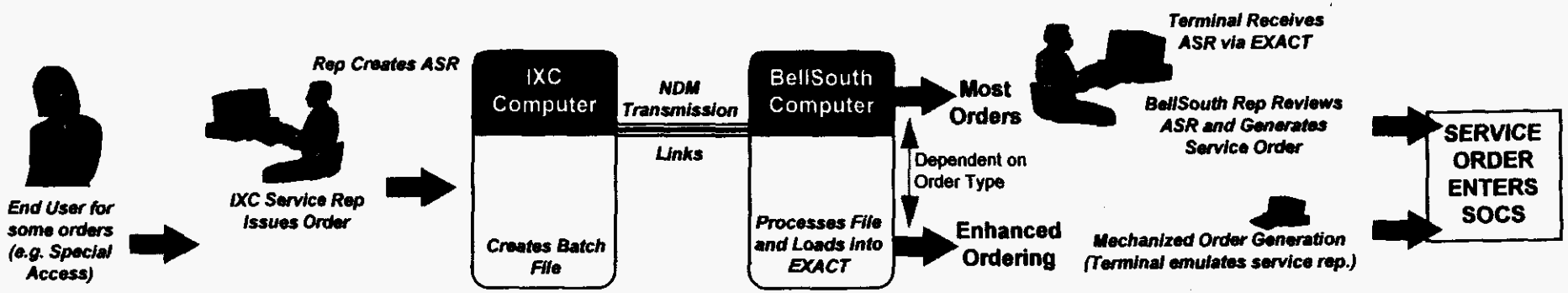
Comparison of Access and Resale Order Communications

The Electronic Data Interchange (EDI) arrangement under development provides resellers with electronic order communications, rather than direct order entry, and is similar to the order communications process currently used for access services. The Exchange Access Control and Tracking (EXACT) system is the national standard for access order communications. The EXACT system allows interexchange carriers to submit Access Service Requests (ASRs) electronically. Upon receipt of the ASR, BellSouth creates service orders to flow through its service order control system (SOCS). The resale interface under development will allow a reseller to submit Local Service Requests (LSRs) electronically. As with access, BellSouth will then create service orders that will flow through all its systems in the same manner as do its end user orders. The similarities between the access and resale arrangements are depicted in Figure 3.

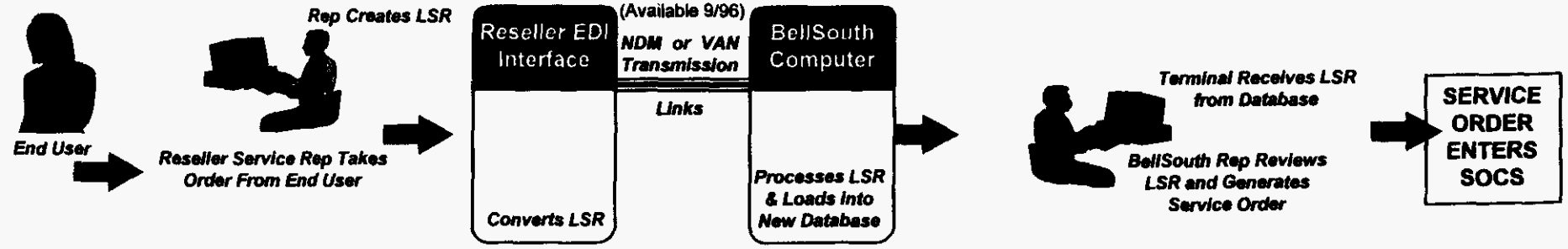
While BellSouth will still create service orders in the normal manner, this arrangement allows a reseller to transmit LSRs via data lines rather than FAX lines. It also provides a foundation for future mechanized enhancements. To again draw upon the access analogy, three to four years after EXACT's inception, software enhancements were added that allow BellSouth to mechanically generate some service orders transmitted via EXACT. Likewise, BellSouth anticipates developing software enhancements in the future that will mechanically generate some service orders from the

Comparison of Access and Resale Electronic Order Communications Processes

Access Process



Resale Process



☎ Electronic communication for resale is comparable to the electronic process for access ordering. In either case, BellSouth service representatives and systems create appropriate service orders.

ASR	Access Service Request
EDI	Electronic Data Interchange
EXACT	Exchange Access Control and Tracking System
NDM	Network Data Mover
LCSC	Local Carrier Service Center
LSR	Local Service Request
SOCS	Service Order Control System
VAN	Value Added Network

FIGURE 3

EDI transmissions. Current estimates are that those enhancements will require an additional 6-12 months and about $1 million. The cost of establishing the initial EDI links themselves for basic orders is estimated to be in the range of $300K to $500K. The costs of developing and implementing subsequent phases, such as those involving complex order types, have not yet been determined.

Pre-Ordering Information

Pre-ordering information allows a reseller to determine the availability of features and services, assign a telephone number, and advise the customer of the due date. This information is only required for those orders involving new service or changes such as adding features, and is not required for existing customers simply changing local service providers. Nonetheless, for those instances in which a reseller is establishing new service or processing feature changes for existing resale customers, the BellSouth operations team quickly identified the need for such processes, and began work in mid-1995 to develop or modify processes to accommodate these requirements.

On May 1, 1996, BellSouth made available to resellers a mechanized interface for access to feature availability. In addition, the currently available package of pre-ordering information provides the capability to assign telephone numbers, and to assign due dates similar to those BellSouth would offer end users. This information currently involves a combination of electronic interfaces, data or paper files, and telephone interaction with the LCSC. These processes ensure that resellers now have the necessary information to negotiate orders for new or changed services.

Providing completely mechanized pre-ordering interfaces requires modifications of and interfaces to a number of BellSouth systems. In anticipation of an eventual need for such interfaces, BellSouth began evaluating their feasibility in the fourth quarter of 1995. The proposed interfaces resulting from that evaluation, as well as the currently available arrangements, are depicted in Figure 4 on the following page. BellSouth's evaluation also identified the resources

Pre-Ordering Interface for Resellers

- Phase I and Phase II Solutions

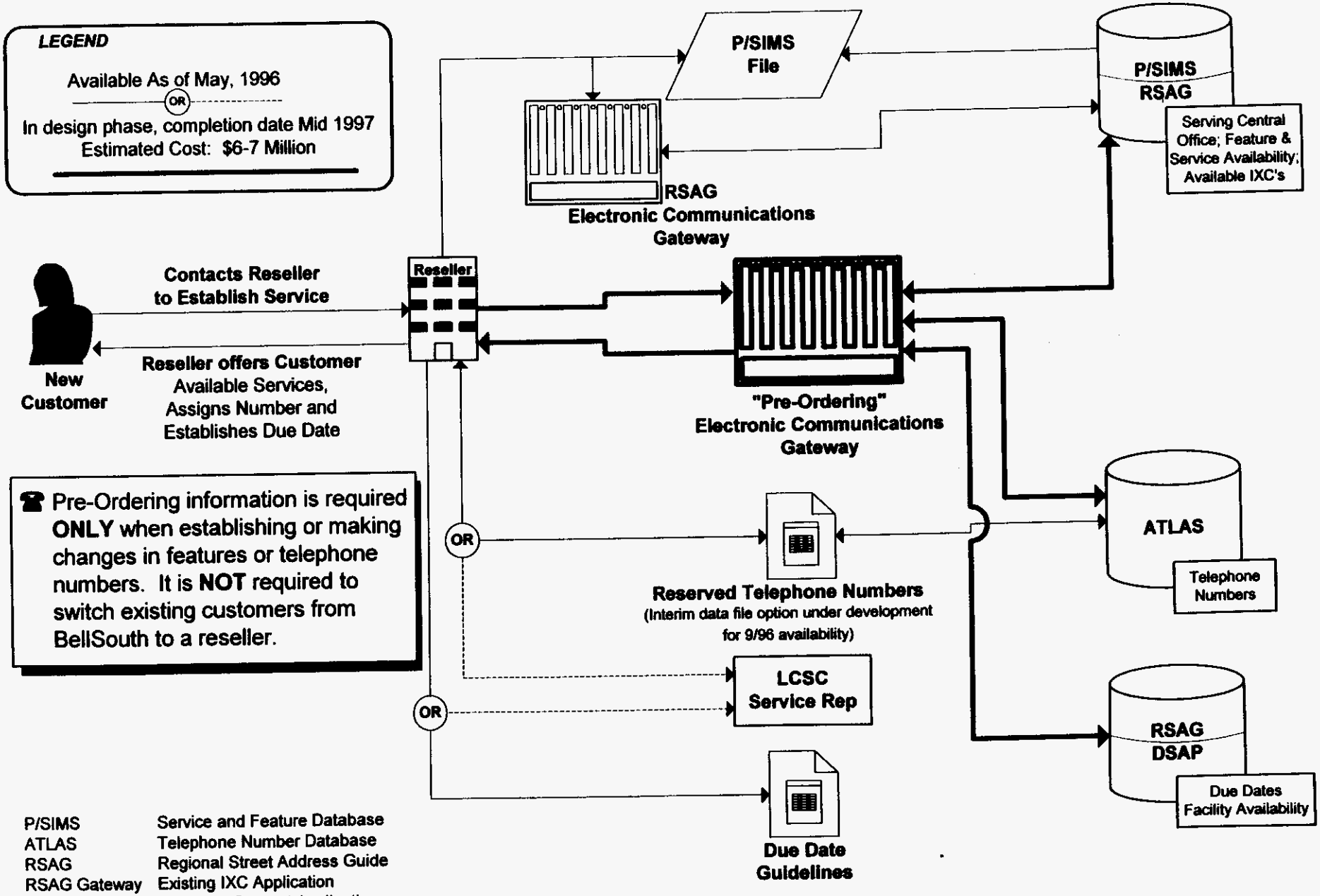


FIGURE 4

required for the completely mechanized process. Development will require approximately ten months, and will cost approximately $6 million to $7 million. BellSouth currently is moving forward with the design phase for this interface. However, with the fact that pre-ordering information is not necessary for the bulk of reseller orders, in addition to the fact that a workable alternative is currently in place, BellSouth should not be required to incur cost of that magnitude unless appropriate arrangements have been made for cost recovery.

In addition, given the complexities of this implementation, a July 15, 1996 implementation date is not possible. For example, the detailed design phase alone, which began in May, 1996, is expected to take approximately four months to complete, with an associated design development cost of approximately $500K. The subsequent implementation will require at lease six additional months, with an additional implementation cost estimated to be $5 million to $6 million. Actual implementation costs and timing will be determined during the design phase. The complexities include ordering and installing hardware for the communication links, development of presentation software to display the information obtained from the databases, and modifying the databases themselves to provide the necessary data to the presentation system. In light of the magnitude of this effort, the rapidly changing technological environment, and to be certain it is providing the best and most cost-effective interface to meet resellers' eventual needs, BellSouth continues to explore alternative solutions that might allow a phased approach to this massive undertaking.

Trouble Reporting

In keeping with its need to accommodate resellers with varying mechanization capabilities, BellSouth is prepared to accept either verbal or electronic trouble reports from resellers. In addition to its plans for accepting resellers' verbal trouble reports in the same centers serving BellSouth's end users, BellSouth has offered resellers an electronic interface for trouble reporting through the same electronic gateway that is now used by IXCs for access

services. Through this interface --which is available today -- a reseller may report a trouble, obtain the same appointment interval that would be given to a BellSouth end user customer, subsequently add information to the report itself, check for trouble completion, and cancel the trouble report if necessary. In response to troubles reported via the gateway, BellSouth will test and initiate repair to the resold line. This arrangement is comparable to the electronic trouble reporting available for access customers today, as shown in Figure 5 on the following page.

In response to troubles reported either verbally or via the mechanized interface, BellSouth will ensure that all appropriate tests are performed for resellers' customers, just as they are for BellSouth's customers. However, to make it possible for testing to proceed in precisely the same sequence for electronic trouble reports as for verbal trouble reports, BellSouth has investigated the possibility of adding to the existing gateway an interface to a system called Trouble Analysis Facilitation Interface (TAFI). That interface would allow the reseller to access the same interactive testing sequence that BellSouth follows to reduce manual handling of troubles. The TAFI interface could be made available in 1997, assuming that appropriate arrangements are made for the recovery of the approximately $3 million development and implementation cost.

Billing Detail

Resellers currently have the option of receiving their monthly bills in any of several formats. Available options include:

- Electronic Data Interchange (EDI) transmission
- Diskette Analyzer Bill Format
- Magnetic Tape
- CD-ROM
- Paper

Comparison of Access and Resale Processes for Electronic Trouble Reporting

☎ Electronic communication for resale trouble reporting is comparable to the electronic process for access trouble reporting. Reseller also has the option to report verbally, just as IXCs do. Either way, resellers' end users are given the same repair appointment interval as BellSouth's end users.

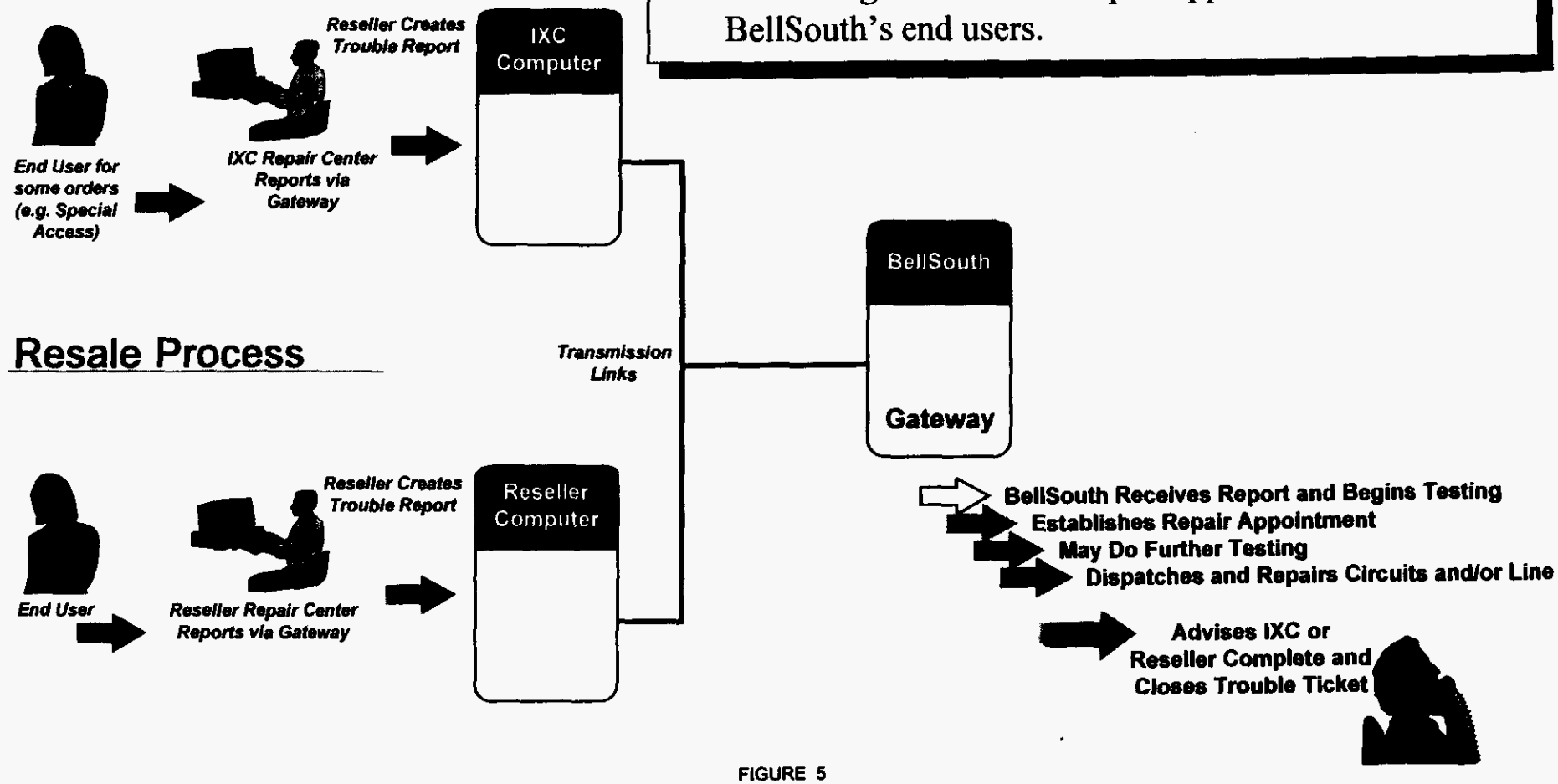


FIGURE 5

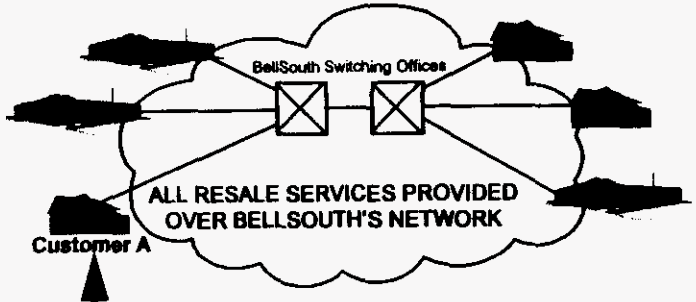
No matter which bill format the reseller chooses, the monthly bill will include line-level detail, including all billable usage for items such as directory assistance and toll calls. As an alternative to receiving billable usage details on their monthly bills, electronic usage detail provided daily is already available to resellers. The daily usage option allows the reseller to bill end users at their discretion, rather than on BellSouth's billing cycles. This option also allows a reseller to establish toll limits, detect fraudulent calling, and analyze customer usage patterns for appropriate purposes. The interfaces and billing options available to resellers are shown in Figure 6 on the following page.

In anticipation of resellers' needs for a daily usage option, BellSouth undertook the development of the necessary interface in September, 1995, at a cost of approximately $125K. This option was made available to resellers on March 31, 1996. Enhancements identified during the development process continue to be added. BellSouth plans to charge resellers availing themselves of this option $0.005 per message to offset the ongoing cost of producing usage files. However, the $125K development cost is not reflected in the per message charge.

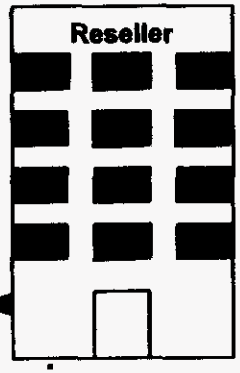
Direct Access to Directory and Line Information Databases

The service orders that BellSouth generates in response to resellers' local service requests will automatically populate the directory and line information databases. This is consistent with BellSouth's internal use of those systems, which were designed to be service order driven. BellSouth believes that providing resellers with direct access to those systems is not appropriate nor necessary. This is because direct access to directory assistance or line information databases would bypass the service order system that currently populates those databases; this would result in a mismatch between service records and those databases, creating problems for BellSouth as well as for resellers. The practical approach is to allow service orders to continue to update those databases for resellers' customers, which will occur in the same time intervals and through the same processes for both resellers' and BellSouth's orders.

Operational Interfaces
for Resellers to Obtain End User Bill Data
(Includes Electronic Options)



☎ In anticipation of resellers' need for daily billing detail, BellSouth completed an electronic interface to provide such data on March 31, 1996. Electronic options also are available for monthly bills.



Reseller bills customer *A*

Transmission options:
- Data link - reseller accesses file at will
- Tape mailed daily

Example: Customer A buys from reseller:

Local line . . . . . monthly charge
Touchtone . . . . . monthly charge
Call Waiting . . . . . monthly charge

Access to:
- **411**. . . . . charge per call
- **Operator** . . . . . charge per call
- **Toll** . . ***charge per:***
  1. IntraLATA call
  2. Collect
  3. Third number billed

Automatic Message Accounting System

BellSouth Billing System

Reflects Resale Discount

Assembles Billing Information

Creates monthly summary bill to reseller with line level detail (includes usage)

Monthly Bill Options
✓ Diskette analyzer ✓ Magnetic tape
✓ EDI transmission ✓ CD Rom ✓ Paper

Optional Daily Usage File
Daily Usage Option Allows:
- Fraud detection
- Bill end user at their discretion
- Allows toll credit limits
- Analysis of customer calling patterns

FIGURE 6

BellSouth has not identified any means for providing direct access while simultaneously ensuring that service records and the databases remain consistent. In addition, BellSouth has not identified any means of partitioning the databases to prevent resellers from accessing customer records other than their own.

Summary

BellSouth is prepared to accommodate the local entry of resellers both large and small, and in fact has resellers operating smoothly with the processes and interfaces as they exist today. BellSouth has initiated and made available a number of electronic interfaces, and continues to work with both individual resellers and industry organizations to enhance those interfaces to the satisfaction of all.

A critical issue for BellSouth is that preparing its operational processes and interfaces to accommodate the market entry of resellers has required significant expenditures of both time and money. The timeline in Figure 7 on the following page summarizes BellSouth's development of major operational interfaces and their associated cost. In addition, BellSouth has incurred significant expenditures associated with systems and other work described throughout this document. BellSouth believes it should be permitted to seek recovery of costs incurred to serve the resale market.

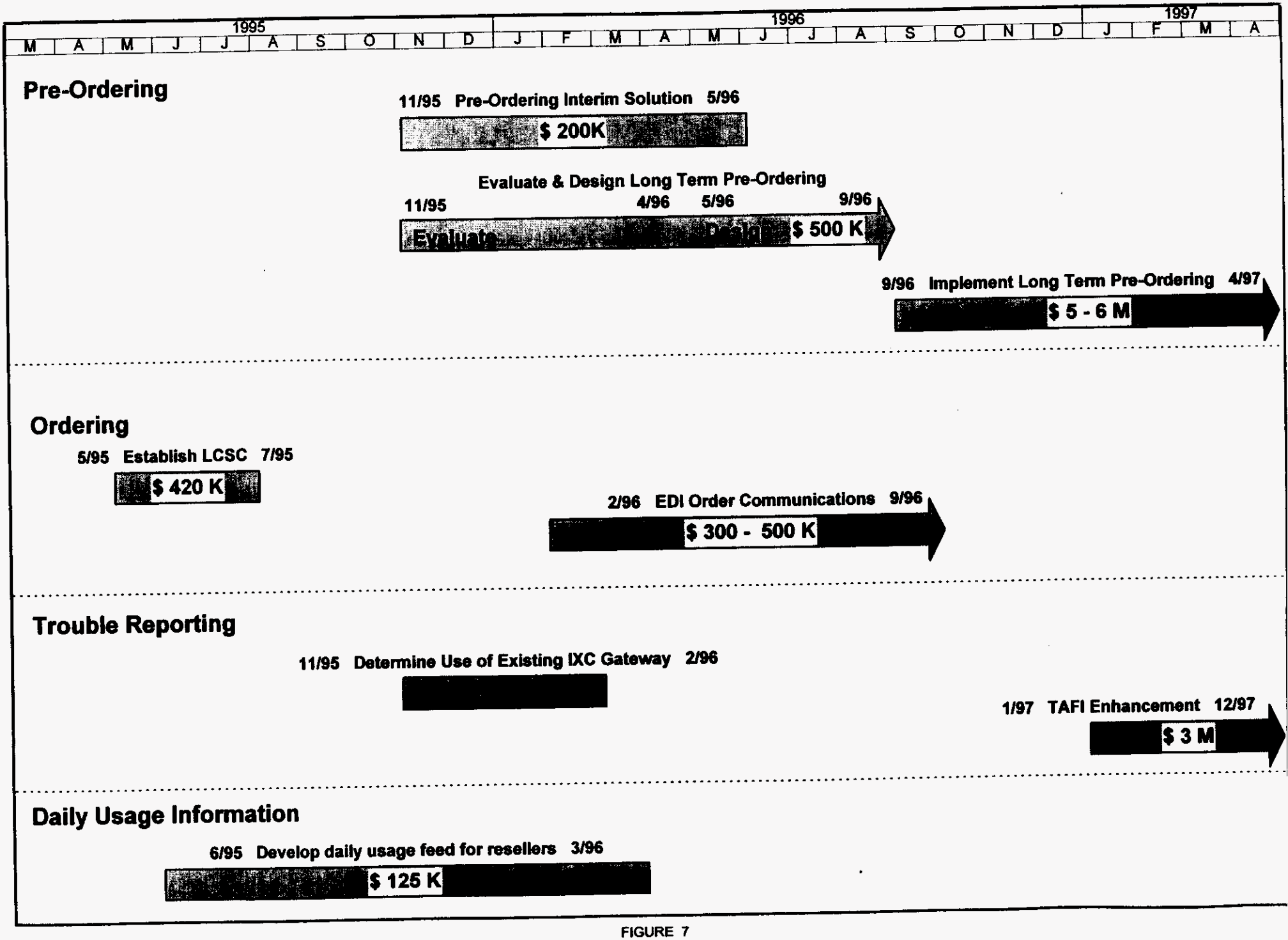

1995
M A M J J A S O N D
1996
J F M A M J J A S O N D
1997
J F M A
Pre-Ordering
11/95 Pre-Ordering Interim Solution 5/96
$ 200K
Evaluate & Design Long Term Pre-Ordering
11/95
4/96
5/96
9/96
$ 500 K
9/96 Implement Long Term Pre-Ordering 4/97
$ 5 - 6 M
Ordering
5/95 Establish LCSC 7/95
$ 420 K
2/96 EDI Order Communications 9/96
$ 300 - 500 K
Trouble Reporting
11/95 Determine Use of Existing IXC Gateway 2/96
1/97 TAFI Enhancement 12/97
$ 3 M
Daily Usage Information
6/95 Develop daily usage feed for resellers 3/96
$ 125 K

FIGURE 7

Appendix A

Ordering and Billing Forum (OBF)
Ordering & Provisioning Committee

Meetings regarding local competition issues:

Sept. 25-28, 1995
Nov. 6-9, 1995
Dec. 4-8, 1995
Jan. 10-12, 1996
Jan. 19, 1996, conference call
Jan. 31, 1996, conference call
Feb. 2, 1996, conference call
Feb. 7, 1996, conference call
Feb. 14, 1996, conference call
Feb. 21, 1996, conference call
Mar. 11-15, 1996
Mar. 11-13, 1996
Apr. 23-25, 1996 (EDI Recommendation)
May 6-10, 1996
Jun. 17-20, 1996
Jun. 24-27, 1996
Jul. 29, - Aug. 1, 1996

APPENDIX B

BELLSOUTH LOCAL SERVICE REQUEST - RESIDENCE

Date ____/____/____

Fax # 800-872-7059

A. Other Local Exchange Company

Co/OCN _____ PON _____ VER ___ RPON _____
Issued By _____ Tel # (____)-____-____ Project _____
Implementation Contact _____ Tel # (____)-____-____ Remarks _____
_____
_____ FAX # (____)-____-____

B. Action Requested

Establish OLEC Service §
☐ New ☑ Switch as is ☐ Switch with changes ☐ Switch with new address
☐ Easy Number _____
☐ Specific Number a. _____ b. _____ c. _____

Existing OLEC Account
☐ Change Tel #(s) ☐ Change Features/Services ☐ Chg Listing/Directory
☐ Add Telephone Line ☐ Move to New Address - Keep Existing Tel #, if possible (Y/N) _____
☐ Easy Number _____
☐ Specific Number a. _____ b. _____ c. _____
☐ Disconnect Main Acct Tel # ☐ Disconnect Additional Line Tel #(s) Only
☐ Suspend Service - End User Request

Due Date
End User Ready Date ____/____/____ Offered Due Date ____/____/____ Disconnect Date for Old Address ____/____/____
We attempt to meet offered due date but work load and equipment availability must be checked before commitment to the end user.

☐ Emergency Expedite *(Special Charges may apply. See Tariff.)*

Premise Access (If Applicable) Hours are Monday - Friday
☐ All Day 8:00-6:00 ☐ AM 8:00-Noon ☐ PM Noon-6:00 ☐ 4 Hour Interval (Bet. 8:00 & 6:00) _____ - _____
Access Remarks _____
_____

C. End User Information

Main Account # **(404)-555-1212** Other Line #s (____)-____-____ (____)-____-____
End User Name **John Doe**
End User Service Address _____
Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____

New Address Information for New Connects and Moves to New Address

End User New Service Address _____
Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____
Route/Box _____ If Unnumbered Address - Directions _____
_____
_____
If Unnumbered Address - Former Occupant Tel # (____)-____-____ or Neighbor's Tel # (____)-____-____

D. Firm Order Confirmation

BellSouth Order # _____	BellSouth Order # _____	BellSouth Order # _____
Assigned # (____)-____-____	Assigned # (____)-____-____	Assigned # (____)-____-____
MemoryCall®	MemoryCall®	MemoryCall®
Access # (____)-____-____	Access # (____)-____-____	Access # (____)-____-____
Temp Password ____-____	Temp Password ____-____	Temp Password ____-____
RingMaster® I (____)-____-____	RingMaster® I (____)-____-____	RingMaster® I (____)-____-____
RingMaster® II	RingMaster® II	RingMaster® II
(a) (____)-____-____	(a) (____)-____-____	(a) (____)-____-____
(b) (____)-____-____	(b) (____)-____-____	(b) (____)-____-____

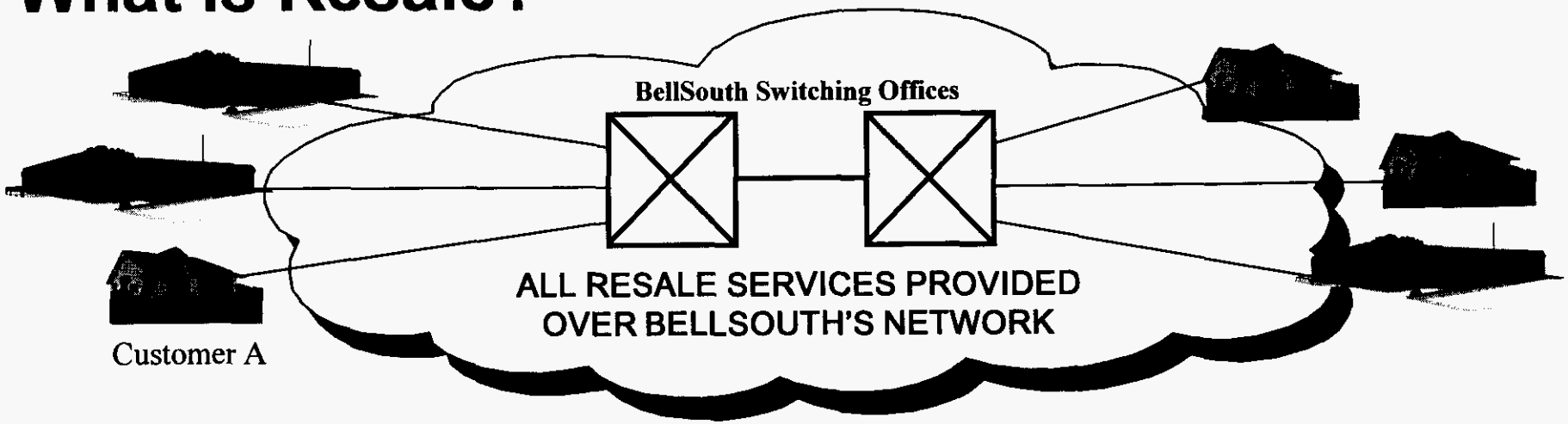
BellSouth Service Rep _____ Tel # 800-872-3116 Remarks _____
_____
_____

Order Due Date ____/____/____ Premise Visit (Y/N) ____ Time Scheduled _____ Blg. Acct. _____

§ BellSouth Line Based Calling Cards and Grandfathered Services are not available for resale.

TAB 2

What is Resale?



Customer A Switches to a Reseller

What the RESELLER does:

- Takes orders from **Customer A**
- Bills **Customer A** for service
- Takes repair calls from **Customer A**
- Makes all arrangements with BellSouth

What BELLSOUTH does:

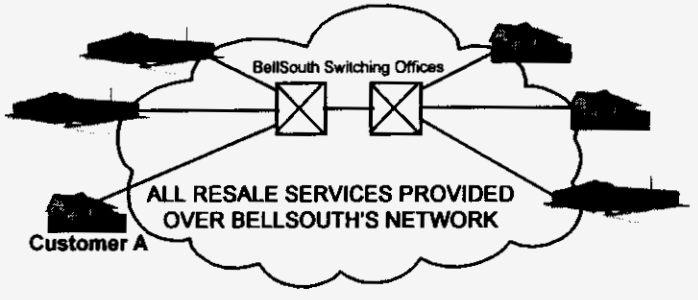
- Processes **resellers'** service orders
- Bills **reseller** for Customer A's service
- Repairs service when needed on behalf of **reseller**
- Provides all lines and features

☎ **BellSouth has established ordering, billing, and repair arrangements for Resellers that make resale transparent to end users. Examples of these arrangements follow.**

FIGURE 1

Local Competition - Resale

How a Customer Switches to a Reseller



☎ With either electronic or paper ordering process, BellSouth changes billing from Customer A to Reseller to reflect requested change date. Customer A is not affected by ordering process between Reseller and BellSouth.

Example: Customer A Switches to a Reseller of BellSouth's Service

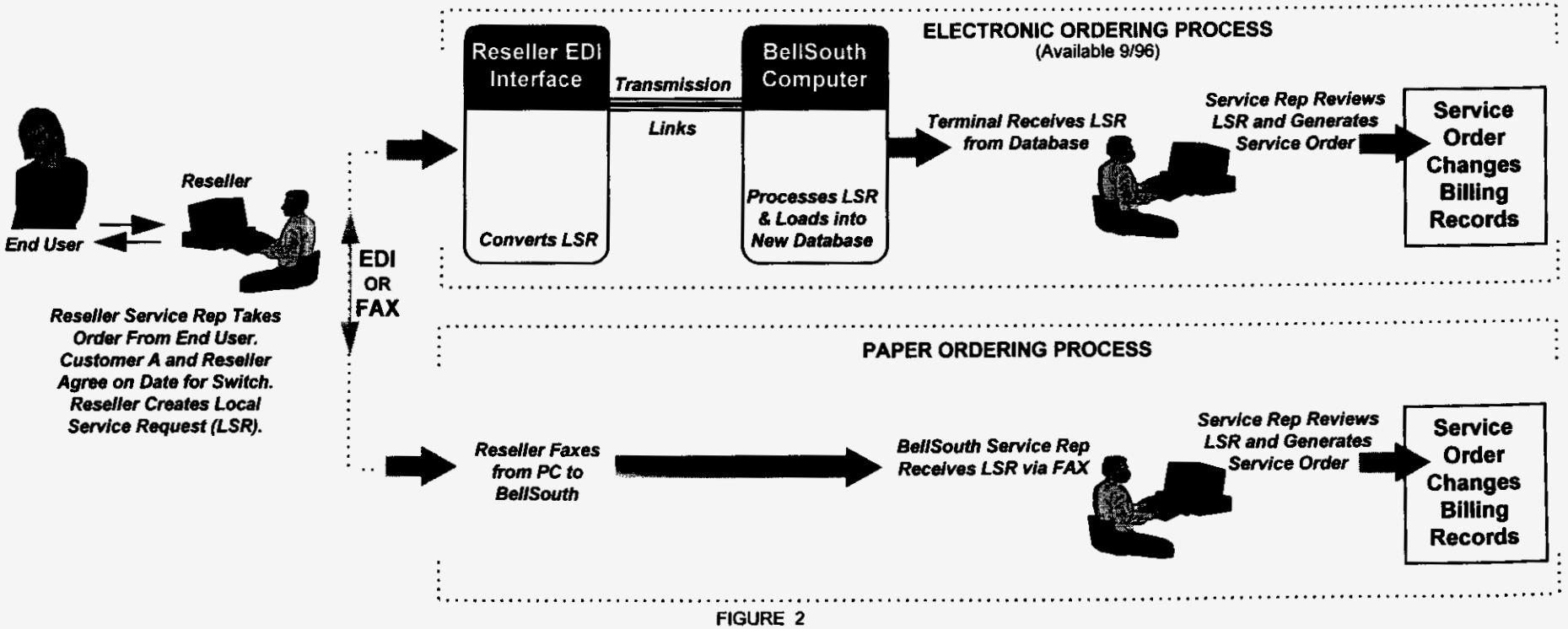
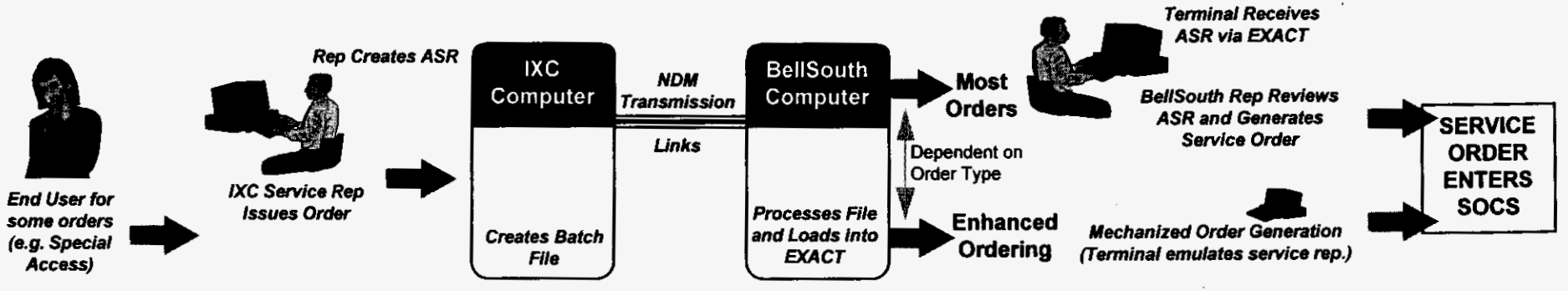


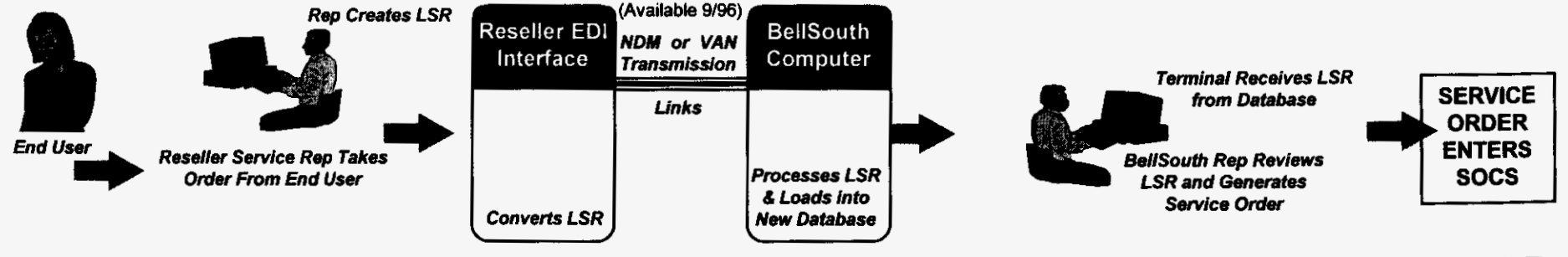
FIGURE 2

Comparison of Access and Resale Electronic Order Communications Processes

Access Process



Resale Process



☎ Electronic communication for resale is comparable to the electronic process for access ordering. In either case, BellSouth service representatives and systems create appropriate service orders.

ASR	Access Service Request
EDI	Electronic Data Interchange
EXACT	Exchange Access Control and Tracking System
NDM	Network Data Mover
LCSC	Local Carrier Service Center
LSR	Local Service Request
SOCS	Service Order Control System
VAN	Value Added Network

FIGURE 3

Pre-Ordering Interface for Resellers

- Phase I and Phase II Solutions

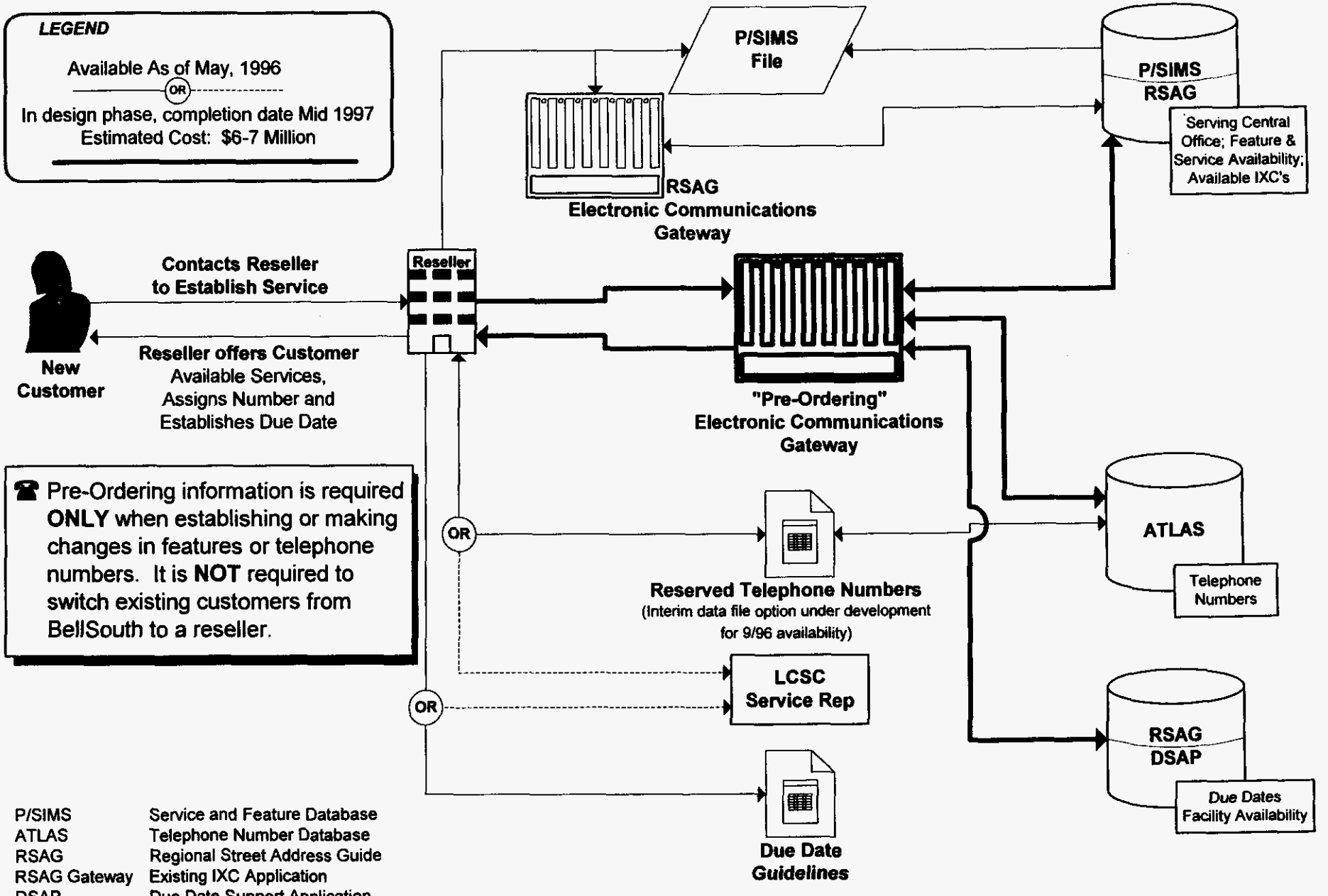


FIGURE 4

Comparison of Access and Resale Processes for Electronic Trouble Reporting

☎ Electronic communication for resale trouble reporting is comparable to the electronic process for access trouble reporting. Reseller also has the option to report verbally, just as IXCs do. Either way, resellers' end users are given the same repair appointment interval as BellSouth's end users.

Access Process

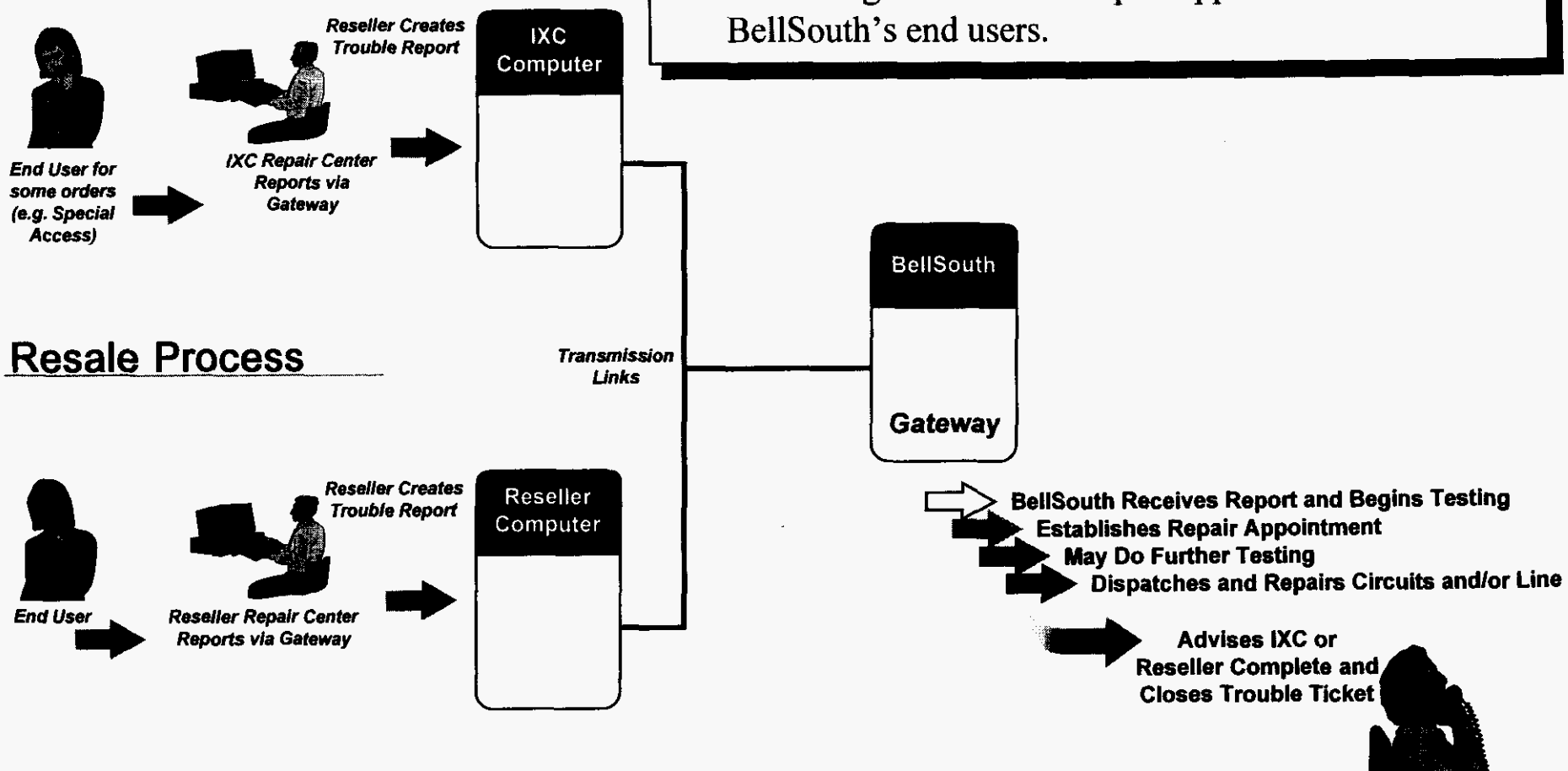
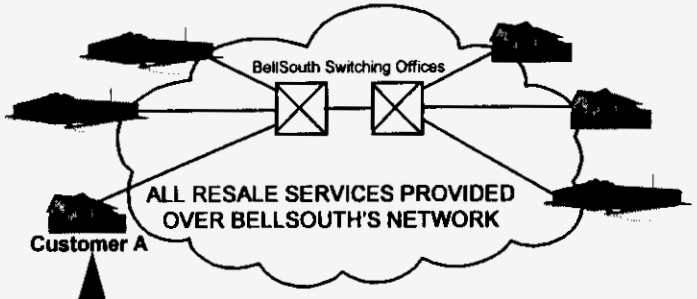


FIGURE 5

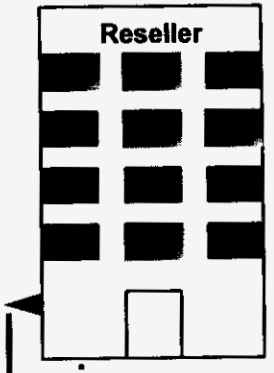
Operational Interfaces

for Resellers to Obtain End User Bill Data

(Includes Electronic Options)



☎ In anticipation of resellers' need for daily billing detail, BellSouth completed an electronic interface to provide such data on March 31, 1996. Electronic options also are available for monthly bills.



Reseller bills customer *A*

Transmission options:

- Data link - reseller accesses file at will
- Tape mailed daily

Example: Customer A buys from reseller:

Local line . . . . . monthly charge
Touchtone . . . . . monthly charge
Call Waiting . . . . . monthly charge

Access to:

- **411**. . . . . charge per call
- **Operator** . . . . . charge per call
- **Toll** . . ***charge per:***
  1. IntraLATA call
  2. Collect
  3. Third number billed

Automatic Message Accounting System

BellSouth Billing System

Reflects Resale Discount

Assembles Billing Information

Creates monthly summary bill to reseller with line level detail (includes usage)

Monthly Bill Options

✓ Diskette analyzer ✓ Magnetic tape
✓ EDI transmission ✓ CD Rom ✓ Paper

Optional Daily Usage File

Daily Usage Option Allows:

- Fraud detection
- Bill end user at their discretion
- Allows toll credit limits
- Analysis of customer calling patterns

FIGURE 6

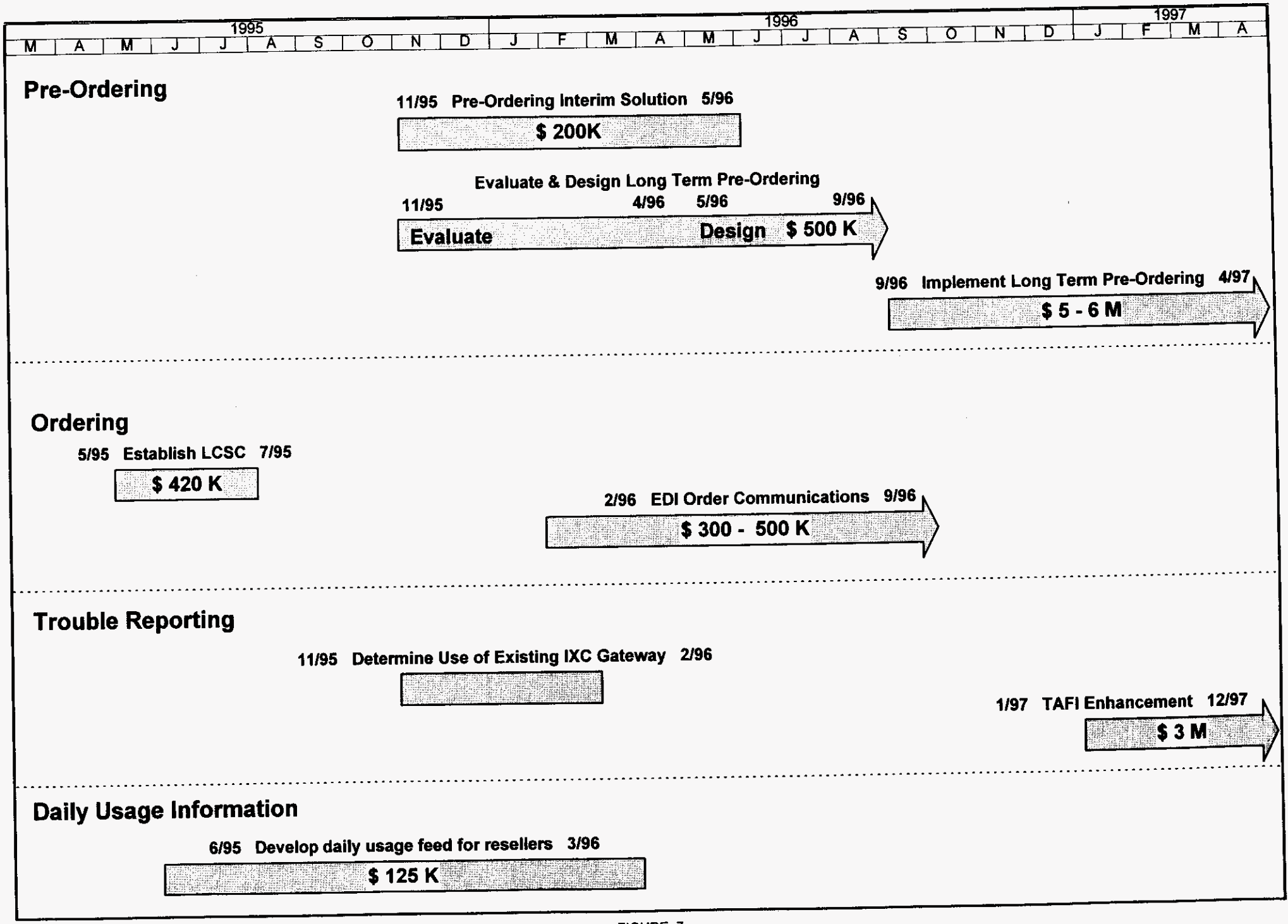

1995
M A M J J A S O N D
1996
J F M A M J J A S O N D
1997
J F M A
Pre-Ordering
11/95 Pre-Ordering Interim Solution 5/96
$ 200K
Evaluate & Design Long Term Pre-Ordering
11/95
4/96
5/96
9/96
Evaluate
Design $ 500 K
9/96 Implement Long Term Pre-Ordering 4/97
$ 5 - 6 M
Ordering
5/95 Establish LCSC 7/95
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Trouble Reporting
11/95 Determine Use of Existing IXC Gateway 2/96
1/97 TAFI Enhancement 12/97
$ 3 M
Daily Usage Information
6/95 Develop daily usage feed for resellers 3/96
$ 125 K

FIGURE 7

TAB 3

BELLSOUTH®

Resale Ordering Guidelines

Local Interconnection
06/05/96

OLEC-to-BELLSOUTH ORDERING GUIDELINES

RESALE

DRAFT

OLEC-to-BELLSOUTH ORDERING GUIDELINES
RESALE

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GENERAL INFORMATION

Introduction

Purpose

This handbook provides guidelines to Other Local Exchange Companies (OLECs) for ordering service(s) from BellSouth. It is in no way intended to create, nor does it create, a binding agreement or contract of any kind. The terms and conditions under which BellSouth provides services are set forth in the Company's tariffs, which have been or will be filed with and approved by each state's Public Service Commission. In addition, other terms and conditions of the parties' relationships may be specified by separate contracts. Nothing in this handbook is intended to supersede the requirements outlined in the state specific tariffs or contracts.

Key Acronyms

LCSC - BellSouth's Local Carrier Service Center
OLEC - Other Local Exchange Carrier/Company

Updates to the Handbook

How to Receive This handbook may be reproduced only for your Company's exclusive use and should be retained for future reference. The handbook will be updated and periodically reissued, and can be mailed directly to you. The form below should be used to provide the mailing address for updates, as well as future address changes.

Update Form CHECK ONE:

MAILING ADDRESS FOR UPDATES ☐

CHANGE MAILING ADDRESS ☐

COMPANY: _____

ADDRESS: _____

_____

CITY, STATE: _____

ZIP CODE: _____

NAME: _____ DATE: _____

TELEPHONE: (_____)- _____-_____

Mailing Address

Local Carrier Service Center (LCSC)
BellSouth
Room D-20
5147 Peachtree Industrial Boulevard
Chamblee, GA. 30341

Facsimile Number This form may also be faxed to 800-872-7059.

Account Team

Purpose

The OLEC account team provides the following services:

- Customer Education (i.e., how to do business with BellSouth)
- Technical Assistance
- General Problem Resolution (i.e., customer advocate)
- Tariff Interpretation
- Rate Quotations
- Major Project Coordination
- Customer Notification Letters (i.e., new services, BellSouth re-arrangements, such as NPA splits, etc.)
- LIDB Contract Negotiations
- Enhanced Billing Options Negotiations
- Initial Contact/Negotiator for Complex Services - including, but not limited to:

  - Megalink® / HiCap
  - ESSX®
  - DDAS
  - Co-Location
  - FlexServ®
  - Accupulse®
  - Native Mode Lan Interconnect (NMLI)
  - Frame Relay
  - Pulselink
  - Lightgate®
  - SmartRing®
  - SMARTPath®
  - Connectionless Data Service (CDS)
  - Video/Audio
  - Sychronet®
  - ISDN

OLEC ACCOUNT TEAM

OLECs which are a part of, or affiliated with, the MCI and AT&T Interexchange Carrier families will be supported by their existing account teams. The contact numbers are provided in the "Guide to Access". (A)

All remaining OLECs will be supported by the following account team: (C)

		Office	Pager
Rich Dender	Account Manager	205-977-5966	800-729-1371
Wade Johnson	Account Executive	205-977-8955	800-680-2053
Pinky Reichert	Systems Designer	205-977-1755	800-729-1384

Mailing Address
BellSouth
3535 Colonnade Parkway
Room E4E1
Birmingham, AL 35243

Local Carrier Service Center

Purpose

The Local Carrier Service Center (LCSC) provides a central point of contact for processing Other Local Exchange Carrier (OLEC) orders for BellSouth tariffed services.

Responsibility

The LCSC is your point of contact for ordering local service. The LCSC will direct you to the appropriate person or department for assistance with matters outside the scope of service provided by the LCSC.

The LCSC provides the following services for its customers:

- Negotiate and coordinate all service order activity.
- Handle billing inquiries, payment arrangements, general questions and assistance.

LOCAL CARRIER SERVICE CENTER (LCSC)

Telephone Numbers

Office..... 800-872-3116
Local Service Requests, LSR Questions, Billing Inquiries & General Assistance

Facsimile Number..... 800-872-7059
All Forms

Supervisors

Director..... 770-986-2203 (D)

Managers
Beth Craig..... 770-451-0883
Barbara Gene Warren..... 770-451-0853

Mailing Address

Local Carrier Service Center (LCSC)
BellSouth
Room D-20
5147 Peachtree Industrial Boulevard
Chamblee, GA 30341

Hours of Operation

8:30 AM to 5:00 PM EST (Hours will be adjusted as required)
Monday - Friday

Holidays Observed

New Years Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

APPLICATION FOR LOCAL SERVICE REQUIREMENTS

Summary of Items Required Prior to Processing Orders for Local Service

This section provides information concerning the items required prior to the Local Service Center Processing of orders.

1. Proof of PSC/PUC Certification
2. Proof of Tax Exempt Status (if applicable)
3. Operating Company Number (OCN)
4. Blanket Letter of Authorization (LOA)
5. OLEC - Contact Numbers Form
6. Master Account Application
7. Disposition of LIDB Contract Negotiations
   (See Master Account Application)
8. Contract (In the absence of an approved local interconnection state tariff)

All of the required items should be provided along with the Master Account Application. No orders can be processed until all requirements are satisfied.

Note: In addition to the items provided above, each OLEC should negotiate through the account team for the type of billing records, including format, desired.

Application for Local Service Requirements (continued)

Certification Definition	Certification is the process by which the state PSC/PUC authorizes an OLEC to conduct business in a particular state.
Certification Process	The OLEC should contact the state PSC/PUC to determine the requirements for certification.
Proof of Certification	The OLEC must provide proof of certification to the LCSC. The LCSC will be unable to provide service to any company not meeting the appropriate PSC/PUC certification process. This proof of certification should be provided with the **Master Account Application** (provided in this section). If proof of certification is not provided with the application, it must be submitted before any orders can be processed.
Proof of Tax Exemption	The OLEC must provide tax exemption certificates, as applicable, for federal, state, county, local, or other taxes. If proof of tax exemption is not provided, the OLEC will be billed the applicable taxes.
Operating Company Number	The OLEC must provide BellSouth with the four (4) digit Operating Company Number (OCN) assigned by the National Exchange Carrier Association (NECA). An OCN application is included on the following page to assist in obtaining the number from NECA. Service requests cannot be processed without an OCN.
Blanket Letter of Authorization	The OLEC must complete the Blanket Agency Agreement Letter provided in this section prior to the processing by the LCSC of Local Service Requests (LSRs) involving existing BellSouth end users. The Blanket Agency Agreement does not relieve the OLEC of securing and maintaining end user authorization. BellSouth may request a copy of the end user authorization in the event of an end user dispute.

Application for Local Service Requirements (continued)

LIDB Contract

BellSouth's Line Information DataBase (LIDB) is described later in this guide under the section 'Service Restrictions'. The LCSC must be notified concerning the disposition of negotiations for LIDB storage agreements. On the Master Account Application, please check the appropriate boxes to indicate that you have received details concerning LIDB and that you are participating or have declined participation.

Contract in the Absence of Approved State Tariffs

In the absence of an approved BellSouth state local interconnection tariff for OLECs, a contract (or a Letter of Intent) between the OLEC and BellSouth is required prior to service order processing. A copy of this contract must be provided with the Master Account Application.

The contact for contract negotiations or questions is Bob Scheye at 404-420-8327.

BELLSOUTH MASTER ACCOUNT APPLICATION

OTHER LOCAL EXCHANGE COMPANY

Date ___/___/___

ACCOUNT INFORMATION

☐ Reseller ☐ Facilities Based Carrier Tax Exempt _____ Tax Code _____ State_____

Certificate of Authority Attached ☐ Yes ☐ No Estimated Average Monthly Bill _____

Company Name/Operating Company Number _____

Local Address _____

City _____ State _____ ZIP __ __ __ __ __ - __ __ __ __

Corporate Address _____

City _____ State _____ ZIP __ __ __ __ __ - __ __ __ __

Billing Address _____

City _____ State _____ ZIP __ __ __ __ __ - __ __ __ __

Contact Name & Telephone # for:

Billing _____ Telephone # (_____)-_____-_____

Orders _____ Telephone # (_____)-_____-_____

Other _____ Telephone # (_____)-_____-_____

CREDIT INFORMATION

Previous BellSouth Service Telephone # (_____)-_____-_____ Last Date of Service ___/___/___

☐ Yes ☐ No Telephone # (_____)-_____-_____ Last Date of Service ___/___/___

Other Current BellSouth Service Telephone # (_____)-_____-_____

☐ Yes ☐ No Telephone # (_____)-_____-_____

Ownership

☐ Individual ☐ Partnership

Name _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Name _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Name _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Name _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

☐ Corporation

President _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Vice-President _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Secretary _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Treasurer _____ Tel # (_____)-_____-_____ SSN __ __ __ - __ __ - __ __ __ __

Have you been informed concerning BellSouth's Line Information DataBase (LIDB) contract? ☐ YES ☐ NO

Have you signed a LIDB contract? ☐ YES ☐ NO Note: Checking "NO" indicates that the OLEC is aware of the consequences of declining, i.e., that BellSouth can not guarantee processing or restriction of LIDB handled calls.

DRAFT

NECA

NATIONAL EXCHANGE CARRIER ASSOCIATION

COMPANY CODE REQUEST FORM

CONTACT INFORMATION

REQUESTOR'S NAME _____ TELEPHONE NUMBER _____

ADDRESS _____ FAX NUMBER _____

_____

_____ DATE OF REQUEST _____

COMPANY INFORMATION

COMPANY NAME _____

ADDRESS OF CORPORATE HEADQUARTERS _____

STATE(S) IN WHICH COMPANY OPERATES _____

TYPE OF SERVICE COMPANY PROVIDES (e.g., Wireless, Local Exchange) _____

NECA MUST BE NOTIFIED OF ANY MERGERS/ACQUISITIONS AND/OR NAME CHANGES.

COMPANIES OPERATING IN MORE THAN ONE STATE MAY BE ASSIGNED MULTIPLE CODES, ONE CODE FOR THE OVERALL COMPANY AND AN ADDITIONAL CODE FOR EACH STATE IN WHICH THE COMPANY OPERATES. COMPANIES OPERATING IN ONLY ONE STATE WILL BE ASSIGNED ONLY ONE CODE.

PLEASE ATTACH LETTERS OF INCORPORATION OR CERTIFICATION BY THE STATE PUBLIC UTILITIES COMMISSION AUTHORIZING THIS COMPANY TO PROVIDE TELECOMMUNICATIONS SERVICE AS PROOF OF THE COMPANY'S EXISTENCE.

RETURN FORM TO: KRISTIN BEFORD-SANTORO
NECA
100 S. JEFFERSON ROAD
WHIPPANY, NJ 07981

TEL # (201) 884-8355
FAX # (201) 884-8469

BLANKET AGENCY AGREEMENT LETTER
for LOCAL SERVICE PROVIDERS

I am an official of (Company)_____ and am authorized to commit my company to the conditions stated herein:

1. (Company)_____ will not submit any requests or inquiries for Resale or Facility Based local service provisioning under Blanket Agency Agreement procedures to BellSouth for which it does not have proper authorization from the End User upon whose behalf service is offered.

2. (Company)_____ has entered into an agreement to provide local service for the End User.

3. The agreement between (Company)_____ and the End User provides that the (Company)_____ is solely responsible for representing the end user in all requests relating to local service. The agreement between (Company)_____ and the End User holds the End User responsible to (Company)_____ for all charges incurred on the End User's behalf for local service. However, (Company)_____ is responsible to BellSouth for all charges that may be incurred in connection with service requests for End Users regardless of whether the End User meets payment responsibilities to (Company)_____

4. The End User will deal directly with (Company)_____ on all inquiries concerning their Local Service. This may include, but is not limited to, billing, repair, directory listings, and number portability.

5. BellSouth is authorized to release all information regarding the End User's local service to (Company)_____.

6. In the event that the End User challenges action taken by BellSouth as a result of the above mentioned service requests, (Company)_____ will provide evidence of proper End User authorization and indemnify and hold harmless BellSouth for any damages or losses, including but not limited to unauthorized change charges, resulting from (Company)_____ preparation and submission of service requests for which it did not have proper End User authorization.

7. In the event that the End User challenges billing which resulted from local service requests submitted to BellSouth by (Company)_____ under this Blanket Agency Agreement, then (Company)_____ will indemnify and hold harmless BellSouth for any damages, losses, costs and attorney's fees, if any, arising from BellSouth provisioning and maintenance of the End User's local service due to errors in the ordering of said service by (Company)_____.

8. In the event that the End User disputes actions taken by BellSouth as a result of a submission by (Company)_____ of a service request for disconnection or termination of a previously submitted local service request for which it did not have proper End User authorization, then (Company)_____ will indemnify and hold harmless BellSouth for any damages, losses, costs and attorney's fees, if any, resulting from said dispute.

9. This Agreement shall continue in effect unless canceled by prior written notice by BellSouth or (Company)_____ thirty (30) days prior to the effective date of cancellation. Cancellation shall not release or limit any matters occurring prior to the cancellation of this Blanket Agency Agreement.

_____
Signature of Officer

_____
Title of Officer

_____
Company Name

_____
Date

Contact Number for Misdirected OLEC End Users

BellSouth requires a single number which may be used by BellSouth for referring misdirected end users to an OLEC. If an end user calls a BellSouth Business Office or Repair Center in error, the end user will be referred to the single number provided by the OLEC.

The form on the next page should be used to submit these numbers to the LCSC along with other required documents. In addition, the name, title, address, and telephone number of the person providing the information should be included.

Contact Number for Misdirected BellSouth End Users

OLECs may use the following number to refer BellSouth end users who dial an OLEC in error to BellSouth for assistance. (N) (N)

800-282-9973 (N)

Contact Number for Customer Name and Address Information

BellSouth will provide Customer Name and Address (CNA) information to aid OLECs in the investigation of toll calls placed by OLEC end users to BellSouth end users. The OLEC will require a special telephone number and unique access code to utilize the service. The telephone number and an access code will be provided by LCSC after the Master Account Application is processed. (C) (C)

OLEC - Contact Number

BellSouth
Fax #: 800-872-7059

A. **OLEC Name** _____

OCN _____

B. **Single Point of Contact Telephone Number to be Provided to OLEC End Users Contacting BellSouth in Error. Check the State(s) and Provide the Appropriate Number.** (C)

☐ Alabama	☐ Kentucky	☐ North Carolina
☐ Florida	☐ Louisiana	☐ South Carolina
☐ Georgia	☐ Mississippi	☐ Tennessee

(_____)-_____-_____

Information Provided By:

Name _____

Title _____

Address _____

Telephone Number _____

Date _____

Directory Front Pages Listing Information

Business telephone numbers for each Local Service Provider can be listed at no charge on a generic page in the "Front Pages" of BellSouth printed directories. For additional details, contact BellSouth Advertising & Publishing Corporation (BAPCO):

Jan Kibler
404-320-5209

Forms of Security

Credit Policy

Before a new account can be established, the LCSC must be provided with information to determine deposit and advance payment requirements. The **Master Account Application** (at the end of this section) should be prepared and submitted to the LCSC. This will be required before orders can be processed.

BellSouth may require the OLEC to provide proof of satisfactory credit with BellSouth or pay a deposit and/or an advance payment prior to processing service requests. BellSouth will accept an irrevocable Bank Letter of Credit or a Surety Bond in lieu of a deposit.

Deposits

A deposit is a sum of money or security obtained from a customer to be held by BellSouth to assure payment of an account. The deposit amount is based on an average two months total billing and is refundable with interest after satisfactory credit has been established with BellSouth.

Deposits may be requested in connection with either new or existing service as a means of protection against lost revenue. Accounts will be routinely reviewed and increased deposits will be requested on accounts, if appropriate.

Deposits for OLEC accounts cannot be combined with, precluded by, or covered by deposits for other BellSouth services.

Surety Bonds

A Surety Bond is an obligation which states that a security company guarantees payment of accounts in the event of default by the bonded customer. The bond must be obtained from a security company which meets all BellSouth standards.

Forms of Security (continued)

Bank Letter of Credit

A Bank Letter of Credit is a document issued by a financial institution which guarantees a specific amount of money will be paid upon request.

Many banking institutions use a standardized form and others may issue an individual letter. Both types are acceptable; however, the Bank Letter of Credit must clearly state or include the following information:

- The identity of the customer covered by the letter of credit.
- The beneficiary of the Letter of Credit is BellSouth. The word 'beneficiary' is highly preferred but not required; there must at least be clear language stating the letter of credit is in favor of, or for the benefit of BellSouth.
- The Bank Letter of Credit is irrevocable.
- It is a letter of credit drawn on (name and location of bank).
- The specific amount of credit extended.
- The termination date or procedure for termination.
- Partial drawings are permitted.
- The procedure for collecting.
- Any processing and/or examination fees charged to BellSouth by its collecting bank will be added to any OLEC unpaid amounts and deducted from the amount secured by the letter of credit.
- The letter must be dated and must bear the signature and title of an authorized officer of the bank.

BellSouth to OLEC Communication

BellSouth will use the Customer Communication Process (CCP) to communicate to the OLECs regarding: new products, services, features; major tariff changes; process changes; BellSouth service affecting network rearrangements such as NPA splits, central office conversions, area transfers, assignment of new central point codes; equipment upgrades; tandem diversity; etc. The CCP is a "letter" (example on the following page) process and is administered by the Interconnection account team. (N)

SAMPLE CCP LETTER (N)

SN91081074

April 18, 1996

TO: All Interconnection Customers

SUBJECT: *407/561 NPA Split in South Florida May 13, 1996*

Effective May 13, 1996, BellSouth will be splitting the current 407 NPA to create a new NPA of 561. This conversion will have one significant difference from other recent NPA Splits. CABS Billing Account Numbers (BANs) in the South Florida portion (Southeast LATA) of the current 407 NPA area will be changed to 561 for active "live" accounts. This is being done to allow BellSouth to eliminate a limitation that now exists in our BAN assignment process for Florida accounts.

The NPA for 407 accounts that are currently served by our South Florida (Miami) processing site will convert to the new 561 NPA. All 407 accounts that are served by our North Florida (Jacksonville) processing site will be unaffected.

Following the split, and for the remainder of 1996, our plans are to not reassign discontinued 407 account numbers from South Florida to North Florida. This will allow time for final billed accounts to age off the system in South Florida. We will stop assigning '407' in the South Florida area, and will use 561, 954, or 305 for these accounts. We will continue to assign 407 to BANs in North Florida.

Payments and adjustments posted to an account prior to its conversion will remain on the 407 account. It will be necessary to refer to the 407 BANs associated with the rendered bills when retrieving historical information from converted accounts. Payments and adjustments, on bills issued before the conversion, that are received after the conversion for previous 407 accounts will be transferred to the new 561 account.

We realize that this is a change from our normal approach of not changing BANs for NPA splits, however, our customers will be better served by BellSouth's changing South Florida 407 accounts to 561 accounts, creating another series of BANs that will be available in an area that now must share the one 407 NPA.

If you have questions concerning this NPA Split, please contact your BellSouth Account Team Representative, your Interconnect Customer Support Center (ICSC), or Bill Sanders, Interconnect Customer Support Project Manager at (205) 977-0123.

Sincerely,

ORIGINAL SIGNED BY SANDRA HUNT

Richard B. Robertson
Marketing Vice President

Customer Service Record Requests

As stated later in 'Service Request Procedures', in certain situations a copy of the existing Customer Service Record will be provided to the OLEC. This will be provided to assist the OLEC in verifying information which has been provided by the end user. If an OLEC desires a copy of a Customer Service Record (CSR) prior to submitting an LSR, the OLEC must provide BellSouth a copy of an end user LOA (Letter of Authorization). A form letter which should be used for this purpose follows this page.

FORM - LETTER OF AUTHORIZATION

This letter should be faxed to the LCSC as a request for a BellSouth Customer Service Record.

Date: _____

TO: BellSouth Local Carrier Services Center

The undersigned appoints (Company)_____

as agent to request my private BellSouth Customer Service Record in anticipation of converting to (Company)_____ for the provision of local service.

BellSouth may deal directly with my Agent and provide the requested records.

FROM: Customer Name: _____

Customer Service Address: _____

_____

_____

Main Account Telephone Number: _____

Authorized Customer Signature: _____

LOCAL SERVICE REQUEST PROCEDURES

Local Service Request

The Local Service Request (LSR) is the vehicle which the OLEC will use to request the transfer of local service from BellSouth, or for changes in end user service. The document reflects the information required for order generation and processing.

Note: The BellSouth OLEC Account Team is the initial point of contact for complex services (see page 6).

Submitting a Service Request

Send the LSR to the LCSC via Facsimile or U. S. mail. (A)

Facsimile Number

800-872-7059.

Local Service is ordered using uniform order request forms called **Local Service Requests (LSRs).** There are two (2) LSR forms; one for **Residence** local service and one for **Business** local service. In addition, a residence or business **Supplemental Local Service Request (SLSR)** will be used to amend or change an end user request after confirmation of processing has been received from BellSouth.

Each request form contains data necessary for switching local service to a new carrier, changing service for an existing local service company customer, or establishing new service for an end user.

The forms are completed by the **Other Local Exchange Company (OLEC)** and faxed to BellSouth's **Local Carrier Service Center (LCSC)** for processing. The fax number(s) are on each request form. The LCSC will provide a Firm Order Confirmation response as notification of order issuance and confirmation of the work due date.

These procedures contain the following:

Instructions - Local Service Request - Residence
Instructions - Supplemental Local Service Request - Residence

Instructions - Local Service Request - Business
Instructions - Supplemental Local Service Request - Business

Exhibits
- Local Service Request - Residence
- Supplemental Local Service Request - Residence
- Local Service Request - Business
- Supplemental Local Service Request - Business

Examples - LSRs and SLSRs

The LSR is designed so that only the parts relating to your requested activity need to be completed. For that reason, it is important that the OLEC Name, the End User Account # (unless a new account is being established), the page numbers, the OLEC PON and the Version Identification be completed at the top of each page of the LSR to insure the LCSC has all of your request. A separate LSR must be submitted for each main account number.

Exhibit 1 is a LSR - Residence form. Following are definitions for all requested data.

Date : The date the OLEC submits the LSR to the LCSC.
Page 1 of ____: Enter the appropriate page #s at the top of each page of the LSR submitted.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number" for the OLEC submitting the LSR.

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

VER: The OLEC Version Identification can be used to indicate a supplement to an existing purchase order number. In the initial transmission this field should be left blank. The next subsequent order should have 'A', the next subsequent order should have 'B', etc. (A) (A)

RPON: A Related Purchase Order Number designates that coordination is required between purchase orders to complete the requested activity. This number may be up to thirteen (13) alpha numeric characters.

Issued By: The name of the person completing the LSR who is responsible for order coordination, related questions, and confirmation of service completion.

Tel #: The telephone number of the person issuing the LSR.

Project: An alpha-numeric code which may be used to link LSRs to a specific project.

Implementation Contact: Identifies the OLEC employee or office responsible for control of installation and completion. This is the person the BellSouth field technician will call with completion notification or problems.

Tel #: The telephone number of the implementation contact.

Remarks: Available for the issuer to provide any additional information that would assist in order processing.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C

B. - Action Requested

When completing the Local Service Request, remember the following: BellSouth Line Based Calling Cards and Grandfathered Services are not available for resale. Certain customized billing arrangements may not be applicable. Refer to the individual state tariffs for availability and description of resale services.

Establish OLEC Service: The end user does not currently have an account with the OLEC. Check the action requested. Details may be required in subsequent sections of the LSR.

New - End user does not currently have any local service.

Easy Number - If an end user requests an easy number, this block should be checked. Normally additional information is not required. However, if the end user specifies a unique digit(s) in the number provide it here. (example - XXX-XX55) More details about easy numbers are contained in the section 'Special Number Assignments'. (N)

Specific Number - If an end user requests a specific number, this block should be checked and the number entered to the right. An end user may specify up to three (3) choices in order of preference for the same charge. More details about specific numbers are contained in the section 'Special Number Assignments'. (N)

Switch as is - Move this end user's local service to the OLEC with no changes in service, features, directory listings, or equipment.

Switch with changes - Move this end user's local service to the OLEC with changes in all or some part of their service. Details concerning the changes will be provided as appropriate in later portions of the LSR.

Switch with new address - Move this end user with existing BellSouth service at one service address to OLEC service at a new location. There may or may not be other changes.

Existing OLEC Account: The customer currently has an account with the OLEC. Check the change(s) requested. More than one category may be checked. Details will be required in subsequent sections of the LSR.

Change Telephone Number(s) - Change the end user's existing telephone number(s).

Change in Features/Services - Add or Delete features or services.

Change in Listing or Directory - Change the listing or directory instruction.

Add Telephone Lines - Add additional telephone lines to the end user's existing service.

Easy Number - If an end user requests an easy number, this block should be checked. Normally additional information is not required. However, if the end user specifies a unique digit(s) in the number provide it here. (example - XXX-XX55) More details about easy numbers are contained in the section 'Special Number Assignments'. (N)

B. - Action Requested (continued)

Specific Number - If an end user requests a specific number, this block should be checked and the number entered to the right. An end user may specify up to three (3) choices in order of preference for the same charge. More details about specific numbers are contained in the section 'Special Number Assignments'. (N)

Move to New Address - Transfer local service to a new service address.

Keep Existing Telephone Number, if possible (Y/N):Does the end user want to carry their existing telephone number to the new service address? Enter Y (Yes) or N (No).

Disconnect Main Acct Tel # - Disconnect the entire end user account. The end user will no longer have local service. If this block is checked, it is not necessary to complete any 'OUT' columns in parts H or I.

Disconnect Additional Line Tel #(s) Only - Disconnect additional telephone numbers only. The main account telephone number will still remain active.

Due Date: This due date section can apply to any 'Action Requested' in either the 'Establish OLEC Service' or the 'Existing OLEC Account' categories.

End User Ready Date: This is the earliest date the end user would be ready for the activity requested.

Offered Due Date: The OLECs will be provided with a list of average intervals to accomplish particular work activities. However, these work activity intervals can vary depending on existing work load, features and services requested and equipment availability. These items can only be determined when the order is processed. The LCSC will make every effort to meet an offered due date (or end user's ready date). Firm commitments should not be made to the end user until a Firm Order Confirmation is received from the LCSC.

Disconnect Date for the Old Address: The end user must provide the date old service is to be disconnected on a change of address order. If the existing telephone number is not being reused at the new location, the end user may request that the existing telephone number remain active at the old location for up to thirty (30) days. If the existing telephone number is being reused at the new location, the end user may also request that the telephone number remain active at both locations for up to thirty (30) days. However, in the latter case, all features and network facilities must be identical at both locations. Availability of features and facilities at the new location is determined as the order is processed.

Emergency Expedite: If an end user has an **urgent need** for service and the normal offered due date will not meet the end user's special needs, the order can be submitted as an emergency expedite request. Every effort should be made to satisfy the end user with regular work intervals. An expedited order may involve additional special charges. Applicable charges are addressed in the state tariffs.

B. - Action Requested (continued)

Premise Access: Access is normally not required for residential activity UNLESS an additional line is being added, or inside wiring or jacks are ordered. Where the Network Interface is located inside a dwelling, access may be needed.

Indicate the end user preference if access will be required for the requested activity. Check the appropriate time from the options on the LSR. If all day, AM or PM are not suitable, enter a four (4) hour interval between 8:00 AM and 6:00 PM (i.e., 11:00 A - 3:00 P).

Access Remarks: Available for the issuer to provide any additional information that is needed for premise access.

C. - End User Information

Main Account Number: The end user telephone number. If there is no existing service, leave this field blank. The new assigned number(s) will be provided by BellSouth in Part D.

Other Line Numbers on this End User Account: If there are additional telephone numbers associated with the main account number, they should be entered here.

End User Name: The current end user account name (or desired name if no existing account).

End User Service Address: The address where service is (or is to be) provided.

Apt/Bldg/Suite/Lot: Enter the appropriate number and circle the correct designation. If another designation is more appropriate, enter it above the number.

City/State: The city, village, or township and two digit state postal code for the location where service is located.

ZIP: The five (5) digit zip code where service is located.

New Address Information for New Connects and Moves to New Address

End User New Service Address: The address where new service is to be provided.

Apt/Bldg/Suite/Lot: If appropriate for the new service address, enter the number and circle the correct designation. If another designation is more appropriate, enter it above the number.

City/State: The city, village, or township and two digit state postal code for the new service address.

ZIP: The five (5) digit zip code where new service is to be located.

For those rural addresses which may not have a defined postal address, complete the following:

Route/Box: Enter the appropriate designation to assist in identifying the service location.

If Unnumbered Address - Driving Directions: Provide specific instructions necessary for locating the service address. For example, "From Highway 23, take Highway 190 east. Go 2 miles, turn right on Turner Dr. Go 3 miles, turn left on Miller Rd. Third house on right."

If Unnumbered Address - Former Occupant Telephone Number or a Neighbor's Telephone Number: This information is required to assist in identifying the correct cable facilities to provide service to the end user.

D. - Firm Order Confirmation

This portion of the LSR will be used by the BellSouth LCSC to confirm that the requested order has been processed and to provide the scheduled date for completion of the requested activity.

BellSouth Order #: The BellSouth internal order number. This number will be required for tracing the request should there be a need for subsequent activity. There is space for three (3) order numbers if necessary.

Assigned #: The telephone number(s) assigned to a customer in the case of new service or a number change request. There is space for assigning three (3) numbers. If more are needed, they will be included in the remarks.

MemoryCall® Access #: If MemoryCall® is ordered, the number which the end user will need to access the system will be provided here.

MemoryCall® Temporary Password: The MemoryCall® Password which is temporarily assigned by BellSouth. The end user will change this password when they begin using the system.

RingMaster® I: If RingMaster® I is ordered, the additional number will be shown here.

RingMaster® II: If RingMaster® II is ordered, the two additional lines will be shown in the lines designated (a) and (b). The (a) and (b) correspond to the listing information provided in Part H-1 under RingMaster® II.

BellSouth Service Representative: The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for processing the order, order coordination, and confirmation of order completion.

Telephone Number: The telephone number of the BellSouth Service Representative.

Remarks: Available for the BellSouth Service Representative to provide any additional information required.

Order Due Date: The date the requested activity is scheduled to be performed.

Premise Visit? (Y/N): The LCSC will determine if a premise visit is required and enter Y (Yes) or N (No).

Time Scheduled: If a premise visit is required, the appointment time will be shown here.

D. - Firm Order Confirmation (continued)

Blg Acct: Each OLEC will have a series of unique billing account numbers assigned which identify the OLEC and are associated with the individual state RAO billing dates for end user telephone numbers. The account number which will be billed for any appropriate charges associated with the LSR will be entered here.

Note: If the Action Requested in Section B is 'Switch as is', 'Switch with changes' or 'Switch with new address', a copy of the current BellSouth Customer Service Record (CSR) will be provided along with the information in Section D, Firm Order Confirmation, of the LSR.

The CSR contains the following information:

- Current billing name and address
- The number of each feature or service the end user subscribes to.
- The monthly recurring charge for each feature or service.
- The USOC code for each feature or service.
- The name/description of the feature or service.

E. - Directory

Directory Listing: One option must be selected for the Main Account Listing.

Listed - A Listed name is in the printed directory and in directory assistance operator records. This option establishes the end user's main listing. One listing is provided without charge for each non-hunting telephone number.

Non-Listed - The listing does not appear in the printed directory but is available through directory assistance.

Non-Published - The listing is not in the printed directory and is not available through directory assistance.

Name: Provide the listing for the main account number as desired (i.e., Last name, first name, middle initial using upper and lower case. When establishing a listing under an existing line in the white pages directory, provide the existing telephone number and show the desired additional listing as it should appear (i.e., children's telephone).

Address: The service address as shown in Part C will be used for the end user listed address unless otherwise specified here. If the address should be omitted from the directory listing, enter NONE.

City/Town: The city/town as shown in Part C will be used for the directory listing unless otherwise specified in this section. If the town should be omitted from the directory listing, enter NONE.

Space is provided for two additional listings for the same main account number or for additional line telephone numbers associated with the main account number. *Copies of this section of the form should be* made if more listings are needed. There are two groups of items associated with each listing. The first two (2) item group is: Additional Listing or Additional Line Number Listing. One block must be checked to indicate the appropriate listing type.

Additional Listing - An additional listing for the main account telephone number.

Additional Line Number Listing - A listing for an additional telephone line number which is different from the main account number.

The second three (3) item group is: Listed, Non-Listed, and Non-Published. Check the appropriate block for each listing. Definitions are shown above.

E. - Directory Listing (continued)

Listing Change Only: There may be times when the only change requested by the end user is a change in their directory listing. You may choose to submit the stand alone directory listing document (Section E of the Business LSR) in place of pages 1 and 2 of the residence LSR. When the end user is a residential account, it is not necessary to complete Columns (7) and (8) on the stand along listing document.

Directory Delivery Address

Provide address information here only if delivery is requested at an address which is different from the service address.

Number of Directories Requested

Residential end users receive one (1) white and one (1) yellow page directory per account. If requested, residential end users may receive up to three (3) directories per account.

Orders for additional or replacement directories may be placed by either the OLEC or the end user as follows:

Local Directories - (No charges)	800-422-1955
Foreign Directories - (Outside of the local service area, charges will apply)	800-682-4000

BAPCO will bill charges directly to the OLEC or the end user, as appropriate.

Note: To discuss bulk delivery of directories, contact Jan Kibler, BAPCO, at 404-320-5209.

F. - Intercept

The 'Action Requested' in Part B of the LSR drives the appropriate announcement. If the customer requests an intercept announcement different from the one which would automatically be selected, enter the code for the desired announcement. We will manually force the announcement. For example, normally a change to a non-published telephone generates Announcement 05. Many times an end user changing from a current Non-Pub to a new Non-Pub will request Announcement 21. Intercept announcements for residence lines continue for a maximum of ninety (90) days.

Code	Announcement
00	**Changed to a Non-Listed Number** **The number you have reached (Dialed Number) has been changed to a non-listed number. If you need more information, please call Directory Assistance.**
03	**Disconnected** **The number you have reached (Dialed Number) has been disconnected. No additional information is available about (Dialed Number).**
05	**Changed to a Non-Published Number** **The number you have reached (Dialed Number) has been changed to a non-published number. No additional information is available about (Dialed Number).**
08	**Suspend for Non-Payment** **The number you have reached (Dialed Number) has been temporarily disconnected. No additional information is available about (Dialed Number).**
21	**Changed to New Published Number** **The number you have reached (Dialed Number) has been changed. The new number is (New Number). Please make a note of it.**
23	Changed to New Toll Free Number The number you have reached (Dialed Number) has been changed. The new number is toll free. Please dial one plus (New Number).
25	Changed from Toll Free Number The number you have reached (Dialed Number) has been changed. The new number, which is no longer toll free, is (New Number). Please make a note of it.
26	Emergency Agency Changed to 911 The number you have reached (Dialed Number) has been changed. The new emergency number is 911. Please make a note of it.
31	Disconnected with Reference of Calls The number you have reached (Dialed Number) has been disconnected. Calls are being taken by (New Number).
51	**Temporary Disconnect at the Customer's Request** **The number you have reached (Dialed Number) has been temporarily disconnected at the customer's request. Calls are being taken by (New Number). Please make a note of it.**
81	Changed to More Than One New Number with Split Reference of Calls The number you have reached (Dialed Number) has been changed. If you are calling (Called Party 1), the new number is (New Number). Please make a note of it. If you are calling (Called Party 2), the new number is (New Number). Please make a note of it.

The most frequently used announcements are shown in bold text.

G.- Multi-Line Requests

If the end user main account has additional line numbers in Part C, enter a Yes (Y) if the action requested in Part B should be applied to all of the telephone lines. If the requested action should not be applied to all of the telephone lines, enter a No (N) and explain how the other lines should be treated.

H-1 & 2. - Order Details

These two (2) pages are the forms needed to provide specific information concerning the Line and Line Features; Inside Wiring and Jacks; and Features and Services the end user desires by telephone line number. It will be necessary to provide separate ordering sheets for each number for which you are placing an order.

At the top left of sheets H-1 and H-2 are two (2) blocks. The first is labeled 'End User Main Account #'. This information should always be provided (except in the case of a new listing with no number at the time the order is placed). This number, along with the OLEC PON, will ensure that all portions of the LSR are correctly associated. IF the items being ordered are for the End User Main Account #, the block should also be checked.

IF, the items being ordered are for an Additional Telephone Line Number, the End User Main Account # should be entered but the block should not be checked. The Additional Telephone Line Number should be completed and the block checked.

When the telephone numbers are not known and more than one additional telephone line numbers are being ordered, an indicator should be placed after the 'Additional Telephone Line Number' to ensure the correct items are associated with the appropriate number.

Example: ☐ End User Main Account # (___)-___-_____
☐ Additional Telephone Line # (___)-___-_____ (1st, 2nd add'l line, etc.)

The body of section H-1 and H-2 provides a check-off list format to install (IN) or delete (OUT) any items needed or desired for local telephone service. Effort was make to list the items in the order required when dealing with the end user. First items related to 'Line and Line Features'; then items relating to installation under 'Inside Wiring and Jacks'; and finally vertical services in 'Features and Services'. Section H-2 includes features and services which are available for residential service but are infrequently ordered.

If an account is being disconnected, it is not necessary to show each item 'OUT'. Checking the 'Disconnect Main Account #' item in Part B on page 1 of the LSR eliminates the need for additional information. Only when an end user is actually changing features is it necessary to indicate when any existing features are being discontinued (OUT).

Not all features listed on the LSR are available for resale in every state. Refer to the state tariffs for availability and descriptions.

There will be times when it is necessary to change an LSR after the order has been processed. In these cases, a supplemental request will be issued. This alerts the LCSC to recall the original order(s) to make the appropriate changes. Exhibit 2 is a Supplemental Local Service Request - Residence (SLSR). Following are definitions for all requested data.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number' for the OLEC submitting the SLSR.

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

VER: The OLEC Version Identification can be used to indicate a supplement to an existing purchase order number. In the initial transmission this field should be left blank. The next subsequent order should have 'A', the next subsequent order should have 'B', etc. (A) (A)

RPON: A Related Purchase Order Number designates that coordination is required between Purchase Orders to complete the requested activity. This number may be up to thirteen (13) alpha numeric characters.

Issued By: The name of the person completing the SLSR who is responsible for order coordination, related questions, and confirmation of service completion.

Telephone Number: The telephone number of the person issuing the SLSR.

Project: An alpha-numeric code which may be used to link SLSRs and LSRs to a specific project.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C)

B. - Action Requested and Remarks

This section is used to explain what change has been requested by the end user and how it coordinates with the original order.

C.- End User

Account Number: The end user telephone number.

BellSouth Order #(s): The BellSouth Order #(s) provided in Part D of the original Local Service Request. This is essential for locating the order in our system insuring necessary coordination with that order.

Current Due Date: Provide the current due date on the order you are issuing a supplement for. This will facilitate prioritization of the SLSRs received.

Other Line Numbers: If there are additional telephone numbers associated with the main account number, they should be entered here.

D. - Firm Order Confirmation

This portion of the LSR will be used by the BellSouth LCSC to confirm that the requested order has been processed and to provide the scheduled date for completion of the requested activity.

BellSouth Order #: The BellSouth internal order number. This number will be required for tracing the request should there be a need for subsequent activity. There is space for three (3) order numbers if necessary.

Assigned #: The telephone number(s) assigned to a customer in the case of new service or a number change request. There is space for assigning three (3) numbers. If more are needed, they will be included in the remarks. If additional lines are being ordered on the Supplemental LSR, remember to include the listing and Premise Access information in Part B, if required.

MemoryCall® Access #: If MemoryCall® is ordered, the number which the end user will need to access the system will be provided here.

MemoryCall® Temporary Password: The MemoryCall® Password which is temporarily assigned by BellSouth. The end user will change this password when they begin using the system.

RingMaster® I: If RingMaster® I is ordered, the assigned number will be shown here. If RingMaster® is added on the Supplemental LSR, the directory listing information should be included in Part B.

RingMaster® II: If RingMaster® II is ordered, the additional numbers will be shown in the lines designated (a) and (b). If RingMaster® II is added on the Supplemental LSR, the directory listing information should be included in Part B. Remember to identify the listings as (a) or (b).

BellSouth Service Representative: The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for processing the order, order coordination, and confirmation of order completion.

Telephone Number: The telephone number of the BellSouth Service Representative.

Due Date: The date the requested activity is scheduled to be performed.

Premise Visit? (Y/N): The LCSC will determine if a premise visit is required and enter Y (Yes) or N (No).

Time Scheduled: If a premise visit is required, the appointment time will be shown here.

Blg Acct: Each OLEC will have a series of unique billing account numbers assigned which identify the OLEC and are associated with the appropriate billing dates for end user telephone numbers. The account number which will be billed for any appropriate charges associated with the LSR will be entered here.

Remarks: Available for the BellSouth Service Representative to provide any additional information required.

The LSR is designed so that only the parts relating to your requested activity need to be completed. For that reason, it is important that the OLEC Name, the End User Account # (unless a new account is being established), the page numbers, the OLEC PON and the Version Identification be completed at the top of each page of the LSR to insure the LCSC has all of your request. A separate LSR must be submitted for each main account number.

Exhibit 3 is a LSR - Business form. Following are definitions for all requested data.

Date: The date the OLEC submits the LSR to the LCSC.
Page 1 of _____: Enter the appropriate page #s at the top of each LSR page submitted.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number' for the OLEC submitting the LSR.

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

VER: The OLEC Version Identification can be used to indicate a supplement to an existing purchase order number. In the initial transmission this field should be left blank. The next subsequent order should have 'A', the next subsequent order should have 'B', etc. (A) (A)

RPON: A Related Purchase Order Number designates that coordination is required between purchase orders to complete the requested activity. This number may be up to thirteen (13) alpha numeric characters.

Issued By: The name of the person completing the LSR who is responsible for order coordination, related questions, and confirmation of service completion.

Tel #: The telephone number of the person issuing the LSR.

Project: An alpha-numeric code which may be used to link LSRs to a specific project.

Implementation Contact: Identifies the OLEC employee or office responsible for control of installation and completion. This is the person the BellSouth field technician will call with completion notification or problems.

Tel #: The telephone number of the implementation contact.

Remarks: Available for the issuer to provide any additional information that would assist in order processing.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C)

B. - Action Requested

When completing the Local Service Request, remember the following: BellSouth Line Based Calling Cards and Grandfathered Services are not available for resale. Certain customized billing arrangements may not be applicable. Refer to the individual state tariffs for availability and description of resale services. (See Section 7 for more details.)

Establish OLEC Service: The end user does not currently have an account with the OLEC. Check the action requested. Details may be required in subsequent sections of the LSR.

New - End user does not currently have any local service.

Easy Number - If an end user requests an easy number, this block should be checked. Normally additional information is not required. However, if the end user specifies a unique digit(s) in the number provide it here. (example - XXX-XX55) More details about easy numbers are contained in the section 'Special Number Assignments'. (N)

Specific Number - If an end user requests a specific number, this block should be checked and the number entered to the right. An end user may specify up to three (3) choices in order of preference for the same charge. More details about specific numbers are contained in the section 'Special Number Assignments'. (N)

Switch as is - Move this end user's local service to the OLEC with no changes in service, features, directory listings, or equipment.

Switch with changes - Move this end user's local service to the OLEC with changes in all or some part of their service. Details concerning the changes will be provided as appropriate in later portions of the LSR.

Switch with new address - Move this end user with existing BellSouth service at one service address to OLEC service at a new location. There may or may not be other changes.

Existing OLEC Account: The customer currently has an account with the OLEC. Check the change(s) requested. More than one category may be checked. Details will be required in subsequent sections of the LSR.

Change Telephone Number(s) - Change the end user's existing telephone number(s).

Change in Features/Services - Add or Delete features or services.

Change in Listing or Directory - Change the listing or directory instruction.

Add Telephone Lines - Add additional telephone lines to the end user's existing service.

B. - Action Requested (continued)

Easy Number - If an end user requests an easy number, this block should be checked. Normally additional information is not required. However, if the end user specifies a unique digit(s) in the number provide it here. (example - XXX-XX55) More details about easy numbers are contained in the section 'Special Number Assignments'.

Specific Number - If an end user requests a specific number, this block should be checked and the number entered to the right. An end user may specify up to three (3) choices in order of preference for the same charge. More details about specific numbers are contained in the section 'Special Number Assignments'.

Move to New Address - Transfer local service to a new service address.

Keep Existing Telephone Number, if possible (Y/N):Does the end user want to carry their existing telephone number to the new service address? Enter Y (Yes) or N (No).

Disconnect Main Acct Tel # - Disconnect the entire end user account. The end user will no longer have local service. If this block is checked, it is not necessary to complete any 'OUT' columns in parts H or I.

Disconnect Additional Line Tel #(s) Only - Disconnect additional telephone numbers only. The main account telephone number will still remain active.

Due Date: This due date section can apply to any 'Action Requested' in either the 'Establish OLEC Service' or the 'Existing OLEC Account' categories.

End User Ready Date: This is the earliest date the end user would be ready for the activity requested.

Offered Due Date: The OLECs will be provided with a list of average intervals to accomplish particular work activities. However, these work activity intervals can vary depending on existing work load, features and services requested and equipment availability. These items can only be determined when the order is processed. The LCSC will make every effort to meet an offered due date (or end user's ready date). Firm commitments should not be made to the end user until a Firm Order Confirmation is received from the LCSC.

Disconnect Date for the Old Address: The end user must provide the date old service is to be disconnected on a change of address order. If the existing telephone number is not being reused at the new location, the end user may request that the existing telephone number remain active at the old location for up to thirty (30) days. If the existing telephone number is being reused at the new location, the end user may also request that the telephone number remain active at both locations for up to thirty (30) days. However, in the latter case, all features and network facilities must be identical at both locations. Availability of features and facilities at the new location is determined as the order is processed.

B. - Action Requested (continued)

Emergency Expedite: If an end user has an **urgent need** for service and the normal offered due date will not meet the end user's special needs, the order can be submitted as an emergency expedite request. Every effort should be made to satisfy the end user with regular work intervals. An expedited order may involve additional special charges. Applicable charges are addressed in the state tariffs.

Premise Access: Access should normally be negotiated on most Business LSRs. Indicate the end user preference if access will be required for the requested activity. Check the appropriate time from the options on the LSR. If all day, AM or PM are not suitable, enter a four (4) hour interval between 8:00 AM and 6:00 PM (i.e., 11:00 A - 3:00 P).

Access Remarks: Available for the issuer to provide any additional information that is needed for premise access.

C. - End User Information

Main Account Number: The end user telephone number. If there is no existing service, leave this field blank. The new assigned number(s) will be provided by BellSouth in Part D.

Other Line Numbers on this End User Account: If there are additional telephone numbers associated with the main account number, they should be entered here.

End User Name: The current end user account name (or desired name if no existing account).

End User Service Address: The address where service is (or is to be) provided.

Apt/Bldg/Suite/Lot: Enter the appropriate number and circle the correct designation. If another designation is more appropriate, enter it above the number.

City/State: The city, village, or township and two digit state postal code for the location where service is located.

ZIP: The five (5) digit zip code where service is located.

New Address Information for New Connects and Moves to New Address

End User Service Address: The address where new service is to be provided.

Apt/Bldg/Suite/Lot: If appropriate for the new service address, enter the number and circle the correct designation. If another designation is more appropriate, enter it above the number.

City/state: The city, village, or township and two digit state postal code for the new service address.

ZIP: The five (5) digit zip code where new service is to be located.

For those rural addresses which may not have a defined postal address, complete the following:

Route/Box: Enter the appropriate designation to assist in identifying the service location.

If Unnumbered Address - Driving Directions: Provide specific instructions necessary for locating the service address. For example, "From Highway 23, take Highway 190 east. Go 2 miles, turn right on Turner Dr. Go 3 miles, turn left on Miller Rd. Third house on right."

If Unnumbered Address - Former Occupant Telephone Number or a Neighbor's Telephone Number: This information is required to assist in identifying the correct cable facilities to provide service to the end user.

D. - Firm Order Confirmation

This portion of the LSR will be used by the BellSouth LCSC to confirm that the requested order has been processed and to provide the scheduled date for completion of the requested activity.

BellSouth Order #: The BellSouth internal order number. This number will be required for tracing the request should there be a need for subsequent activity. There is space for three (3) order numbers if necessary.

Assigned #: The telephone number(s) assigned to a customer in the case of new service or a number change request. There is space for assigning three (3) numbers. If more are needed, they will be included in the remarks.

MemoryCall® Access #: If MemoryCall® is ordered, the number which the end user will need to access the system will be provided here.

MemoryCall® Temporary Password: The MemoryCall® Password which is temporarily assigned by BellSouth. The end user will change this password when they begin using the system.

RingMaster® I: If RingMaster® I is ordered, the additional number will be shown here.

RingMaster® II: If RingMaster® II is ordered the two additional lines will be shown in the lines designated (a) and (b). The (a) and (b) correspond to the listing information provided in Part H-1 under RingMaster® II.

BellSouth Service Representative: The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for processing the order, order coordination, and confirmation of order completion.

Telephone Number: The telephone number of the BellSouth Service Representative.

Remarks: Available for the BellSouth Service Representative to provide any additional information required.

Order Due Date: The date the requested activity is scheduled to be performed.

Premise Visit? (Y/N): The LCSC will determine if a premise visit is required and enter Y (Yes) or N (No).

Time Scheduled: If a premise visit is required, the appointment time will be shown here.

D. - Firm Order Confirmation

Blg Acct: Each OLEC will have a series of unique billing account numbers assigned which identify the OLEC and are associated with the individual state RAO billing dates for end user telephone numbers. The account number which will be billed for any appropriate charges associated with the LSR will be entered here.

Note: If the Action Requested in Section B is 'Switch as is', 'Switch with changes' or 'Switch with new address', a copy of the current BellSouth Customer Service Record (CSR) will be provided along with the information in Section D, Firm Order Confirmation, of the LSR.

The CSR contains the following information:

- Current billing name and address
- The number of each feature or service the end user subscribes to.
- The monthly recurring charge for each feature or service.
- The USOC code for each feature or service.
- The name/description of the feature or service.

E. - Directory Listing

This directory listing page is designed for use with the complete Business LSR (Parts A - H-2). However, it can also be used as a stand alone document for business or residence directory information when only directory listing or replacement/additional directories are ordered.

Other Local Exchange Company
If the complete LSR is submitted and this information is provided in Part A of the LSR, it is not necessary to duplicate the entries here. Even when the complete LSR is submitted, it is important to enter the PON and OLEC name to be sure it is associated correctly with the remainder of the LSR.

Date: The date the OLEC submits the LSR to the LCSC.

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

VER: The OLEC Version Identification can be used to indicate a supplement to an existing purchase order number. In the initial transmission this field should be left blank. The next subsequent order should have 'A', the next subsequent order should have 'B', etc. (A)

RPON: A Related Purchase Order Number designates that coordination is required between purchase orders to complete the requested activity. This number may be up to thirteen (13) alpha numeric characters.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C)

Company: The company name and identification code for the OLEC.

Issued By: The name of the person completing the LSR who is responsible for order coordination, related questions, and confirmation of service completion.

Telephone Number: The telephone number of the person issuing the LSR.

Remarks: Available for the issuer to provide any additional information that would assist in order processing.

E. - Directory Listing (continued)

End User

If the complete LSR is submitted and this data is provided in Part C of the LSR, it is not necessary to duplicate the information here. It is important to enter the Main Account Number to be sure it is associated correctly with the remainder of the LSR.

End User Name: The current end user account name (or desired name if no existing account).

End User Service Address: The address where the service is (or is to be) provided.

Main Account Number: The end user main account telephone number.

Existing YP Advertising (Y/N): Does the end user currently have Yellow Pages Advertising? Enter Y (Yes) or N (No). Yellow Page advertising will be billed directly to the end user by BAPCO.

End User Miscellaneous Account Number - In some situations, a miscellaneous number may be assigned by BellSouth when the initial order is processed. If assigned, the miscellaneous account number will be required for any subsequent order activity for the end user.

Listing Request

Check the appropriate block to indicate what type of listing request is being submitted.

New Account - End user does not currently have any local service.

Disconnect Account - The end user currently has only directory listing service provided by BellSouth. This option will disconnect (discontinue) the listing.

Add to Current Account - Add a listing(s) to an existing OLEC end user account.

Delete from Current Account - Delete a listing(s) from an existing OLEC end user account. This does not disconnect (discontinue) the account. It deletes a portion of the listing.

Change Listing - Change the directory listing on an existing OLEC account.

Correct Listing- Correct an listing and/or telephone number on an existing OLEC account.

Type Listing

Select the appropriate designation for the account number. Designate whether the directory listing is Business, Residence, City Government, County Government, State Government, or US Government.

E. - Directory Listing (continued)

Firm Order Confirmation

This portion of the Directory Listing request will be used by BellSouth LCSC to confirm that the requested order has been processed if the 'Directory Listing Request' is submitted as a stand alone document. If it is a part of a complete LSR, the Firm Order Confirmation will be provided on page 1 of the LSR in part D. .

Date Prepared - The date work on the listing is completed in the LCSC.

BellSouth Service Representative - The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for processing the order, order coordination, and confirmation of order completion.

Telephone # - The telephone number of the BellSouth Representative.

Remarks - Available for the BellSouth Service Representative to provide any additional information required.

Blg Account - Each OLEC will have a series of unique billing account numbers assigned which identify the OLEC and are associated with the appropriate billing dates for end user telephone numbers. If a directory listing is being requested that is not associated with the complete LSR, the billing account for appropriate charges, if any, will be shown here.

Miscellaneous Account Number Assigned - In some situations, a miscellaneous account may be assigned by the LCSC with the initial order placed for an end user. If a miscellaneous account code is assigned, it will be required to identify the correct account on any subsequent orders. On future orders for this end user, it should be entered in the End User section, End User Misc Account Number.

BellSouth Order Number - The BellSouth system order number. This number will be required for tracing the request should there be a need for subsequent activity. There is space for three (3) order numbers if necessary.

Directory Delivery Address

Provide address information here only if delivery is requested at an address which is different from the service address.

Number of Directories Requested

Business end users receive one (1) white and yellow page directory per access line.

Orders for additional or replacement directories may be placed by either the OLEC or the end user as follows:

Local Directories - (No charges)	800-422-1955
Foreign Directories - (Outside of the local service area, charges will apply)	800-682-4000

BAPCO will bill charges directly to the OLEC or the end user, as appropriate.

Note: To discuss bulk delivery of directories, contact Jan Kibler, BAPCO, at 404-320-5209.

E. - Directory Listing (continued)

Listing Information

(1) Listing Order Code - This column will be used to assign a unique code to each listing line. This code will sequence the listings according to the end user's desires. The listing order codes are A1-A9, B1-B9, C1-C9, etc. through M1-M9. A1 must be used for the first line of the listing.

Example:	A1	Smith Hardware Stores, Inc.
	A2	Branch Stores
		etc.

If the listing is a 'straight line' listing, with only one line of customer information (name, street address, city and number), no entry is required in this section.

(2) Caption Indent Level - This refers to the amount of indention.

0 = Left Hand Justification	(No Indent)
1 = 1 Level of Indent	(1 Space to the Right)
2 = 2 Levels of Indent	(2 Spaces to the Right)
3 = 3 Levels of Indent	(3 Spaces to the Right)

Example:

A1	Level 0	Smith Hardware Stores, Inc.
A2	Level 1	Branch Stores
A3	Level 2	1416 Main Street.....111-1111
A4	Level 2	182 Broxton Dr.....222-2222
A5	Level 1	Billing.....333-3333
A6	Level 1	Home Delivery.....444-4444

If the listing is a 'straight line' listing, with only one line of customer information (name, street address, city and number), no entry is required in this section.

(3) Listed Name - This section is used to show the listing EXACTLY as the end user desires for it to appear in the directory. When changing an established listing, provide the complete listing (caption) to insure the listing will be changed according to the end user request.

(4) Listed Address - Use this section to enter the listed address if the end user desires a listing different from that provided in the 'End User Account' section or in Part C on page 1 of the LSR. If the address should be omitted from the directory listing, enter NONE.

(5) Telephone Number - List the end user numbers as appropriate to associate them with the correct lines on the end user listing.

E. - Directory Listing (continued)

Listing Information (continued)

(6) Listed, Non-Listed or Non-Published - Enter the abbreviation here for the type listing desired by the end user. The designation may be different for different numbers in the caption listing.

Listed - The Listed name is in the printed directory and in directory assistance operator records. One listing is provided without charge for each non-hunting telephone number.

Non-Listed - The listing does not appear in the printed directory but is available through directory assistance.

Non-Published - The listing is not in the printed directory and is not available through directory assistance.

(7) Yellow Page Heading & SIC - When a business listed number is selected, an optional listing in the BellSouth Yellow Pages is also available at no charge for each end user account. The listing may be placed in the BellSouth Yellow Pages under an approved heading that is appropriate for the business (i.e., Restaurants, Beauty Salons, etc.) Requests for business listings under more than one heading are considered Directory Advertising and must be negotiated by the end user with an appropriate yellow page advertising company. If an end user doesn't want a listing in the BellSouth Yellow Pages specify NONE in the Yellow Page Heading section.

In addition to the Yellow Page Heading, the appropriate SIC (Standard Industry Code) should be provided. Refer to the SIC Manual for this information. The manual is published by the United States Office of Management and Budget and may be purchased through NTIS.

National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161
703-487-4650

(8) Community of Listing - The listing will be entered in the appropriate directory based on the main account telephone number. If the end user desires the listing to appear in additional directories (or a different directory), enter the community name for the directory (ies) where the foreign listing should be published.

F. - Intercept

The 'Action Requested' in Part B of the LSR drives the appropriate announcement. If the customer requests an intercept announcement different from the one which would automatically be selected, enter the code for the desired announcement. We will manually force the announcement. For example, normally a change to a non-published telephone generates Announcement 05. Many times an end user changing from a current Non-Pub to a new Non-Pub will request Announcement 21 to insure their current callers continue to have their number. Intercept announcements for business lines continue for a maximum of six (6) months.

Code	Announcement
00	**Changed to a Non-Listed Number** **The number you have reached (Dialed Number) has been changed to a non-listed number. If you need more information, please call Directory Assistance.**
03	**Disconnected** **The number you have reached (Dialed Number) has been disconnected. No additional information is available about (Dialed Number).**
05	**Changed to a Non-Published Number** **The number you have reached (Dialed Number) has been changed to a non-published number. No additional information is available about (Dialed Number).**
08	**Suspend for Non-Payment** **The number you have reached (Dialed Number) has been temporarily disconnected. No additional information is available about (Dialed Number).**
21	**Changed to New Published Number** **The number you have reached (Dialed Number) has been changed. The new number is (New Number). Please make a note of it.**
23	Changed to New Toll Free Number The number you have reached (Dialed Number) has been changed. The new number is toll free. Please dial one plus (New Number).
25	Changed from Toll Free Number The number you have reached (Dialed Number) has been changed. The new number, which is no longer toll free, is (New Number). Please make a note of it.
26	Emergency Agency Changed to 911 The number you have reached (Dialed Number) has been changed. The new emergency number is 911. Please make a note of it.
31	Disconnected with Reference of Calls The number you have reached (Dialed Number) has been disconnected. Calls are being taken by (New Number).
51	**Temporary Disconnect at the Customer's Request** **The number you have reached (Dialed Number) has been temporarily disconnected at the customer's request. Calls are being taken by (New Number). Please make a note of it.**
81	Changed to More Than One New Number with Split Reference of Calls The number you have reached (Dialed Number) has been changed. If you are calling (Called Party 1), the new number is (New Number). Please make a note of it. If you are calling (Called Party 2), the new number is (New Number). Please make a note of it.

The most frequently used announcements are shown in bold text.

G.- Multi-Line Requests

If the end user main account has additional line numbers in Part C, enter a Yes (Y) if the action requested in Part B should be applied to all of the telephone lines. If the requested action should not be applied to all of the telephone lines, enter a No (N) and explain how the other lines should be treated.

H-1 & 2. - Order Details

These two (2) pages are the forms needed to provide specific information concerning the Line and Line Features; Inside Wiring and Jacks; and Features and Services the end user desires by telephone line number. It will be necessary to provide separate ordering sheets for each number for which you are placing an order.

At the top left of sheets H-1 and H-2 are two (2) blocks. The first is labeled 'End User Main Account #'. This information should always be provided (except in the case of a new listing with no number at the time the order is placed). This number, along with the OLEC PON, will ensure that all portions of the LSR are correctly associated. IF the items being ordered are for the End User Main Account #, the block should also be checked.

IF, the items are being ordered are for an Additional Telephone Line Number, the End User Main Account # should be entered but the block should not be checked. The Additional Telephone Line Number should be completed and the block checked.

When the telephone numbers are not known and more than one additional telephone line numbers are being ordered, an indicator should be placed after the 'Additional Telephone Line Number' to ensure the correct items are associated with the appropriate number.

Example: ☐ End User Main Account # (___)-___-_____
☐ Additional Telephone Line # (___)-___-_____ (1st, 2nd, 3rd add'l line, etc.)

The body of section H-1 and H-2 provides a check-off list format to install (IN) or delete (OUT) any items needed or desired for local telephone service. Effort was make to list the items in the order required when dealing with the end user. First items related to 'Line and Line Features'; then items relating to installation under 'Inside Wiring and Jacks'; and finally vertical services in 'Features and Services'.

If an account is being disconnected, it is not necessary to show each item 'OUT'. Checking the 'Disconnect Main Account #' item in Part B on page 1 of the LSR eliminates the need for additional information. Only when an end user is actually changing features is it necessary to indicate when any existing features are being discontinued (OUT).

Not all features listed on the LSR are available for resale in every state. Refer to the state tariffs for availability and descriptions.

There will be times when it is necessary to change an LSR after the order has been processed. In these cases, a supplemental request will be issued. This alerts the LCSC to recall the original order(s) to make the appropriate changes. Exhibit 4 is a Supplemental Local Service Request - Business (SLSR). Following are definitions for all requested data.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number' for the OLEC submitting the SLSR..

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

VER: The OLEC Version Identification can be used to indicate a supplement to an existing purchase order number. In the initial transmission this field should be left blank. The next subsequent order should have 'A', the next subsequent order should have 'B', etc. (A) (A)

RPON: A Related Purchase Order Number designates that coordination is required between Purchase Orders to complete the requested activity. This number may be up to thirteen (13) alpha numeric characters.

Issued By: The name of the person completing the SLSR who is responsible for order coordination, related questions, and confirmation of service completion.

Telephone Number: The telephone number of the person issuing the SLSR.

Project: An alpha-numeric code which may be used to link LSRs to a specific project.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C)

B. - Action Requested and Remarks

This section is used to explain what change has been requested by the end user and how it coordinates with the original order.

C.- End User

Account Number: The end user telephone number.

BellSouth Order #(s): The BellSouth Order #(s) provided in Part D of the original Local Service Request. This is essential for locating the order in our system insuring necessary coordination with that order.

Current Due Date: Provide the current due date on the order you are issuing a supplement for. This will facilitate prioritization of the SLSRs received.

Other Line Numbers: If there are additional telephone numbers associated with the main account number, they should be entered here.

D. - Firm Order Confirmation

This portion of the LSR will be used by the BellSouth LCSC to confirm that the requested order has been processed and to provide the scheduled date for completion of the requested activity.

BellSouth Order #: The BellSouth internal order number. This number will be required for tracing the request should there be a need for subsequent activity. There is space for three (3) order numbers if necessary.

Assigned #: The telephone number(s) assigned to a customer in the case of new service or a number change request. There is space for assigning three (3) numbers. If more are needed, they will be included in the remarks. If additional lines are being ordered on the Supplemental LSR, remember to include the listing and Premise Access information in Part B, if required.

MemoryCall® Access #: If MemoryCall® is ordered, the number which the end user will need to access the system will be provided here.

MemoryCall® Temporary Password: The MemoryCall® Password which is temporarily assigned by BellSouth. The end user will change this password when they begin using the system.

RingMaster® I: If RingMaster® I is ordered, the assigned number will be shown here. If RingMaster® is added on the Supplemental LSR, the directory listing information should be included in Part B.

RingMaster® II: If RingMaster® II is ordered, the additional numbers will be shown in the lines designated (a) and (b). If RingMaster® II is added on the Supplemental LSR, the directory listing information should be included in Part B. Remember to identify the listings as (a) or (b).

BellSouth Service Representative: The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for processing the order, order coordination, and confirmation of order completion.

Telephone Number: The telephone number of the BellSouth Service Representative.

Due Date: The date the requested activity is scheduled to be performed.

Premise Visit? (Y/N): The LCSC will determine if a premise visit is required and enter Y (Yes) or N (No).

Time Scheduled: If a premise visit is required, the appointment time will be shown here.

Blg Acct: Each OLEC will have a series of unique billing account numbers assigned which identify the OLEC and are associated with the appropriate billing dates for end user telephone numbers. The account number which will be billed for any appropriate charges associated with the LSR will be entered here.

Remarks: Available for the BellSouth Service Representative to provide any additional information required.

Local Service Request and Supplemental Local Service Request Exhibits

This section contains the following forms for requesting local service through the BellSouth LCSC:

- Local Service Request - Residence
- Supplemental Local Service Request - Residence

- Local Service Request - Business
- Supplemental Local Service Request - Business

BELLSOUTH LOCAL SERVICE REQUEST - RESIDENCE

Date _____/_____/_____

Fax # 800-872-7059

A. Other Local Exchange Company

Co/OCN _____ PON _____ VER ____ RPON _____

Issued By _____ Tel # (_____)-_____-_____ Project_____

Implementation Contact _____ Tel # (_____)-_____-_____ Remarks _____

_____

_____ FAX # (_____)-_____-_____

B. Action Requested

Establish OLEC Service § ☐ New ☐ Switch as is ☐ Switch with changes Switch with new address

☐ Easy Number _____

☐ Specific Number a. _____ b. _____ c. _____

Existing OLEC Account ☐ Change Tel #(s) ☐ Change Features/Services ☐ Chg Listing/Directory

☐ Add Telephone Line ☐ Move to New Address - Keep Existing Tel #, if possible (Y/N) _____

☐ Easy Number _____

☐ Specific Number a. _____ b. _____ c. _____

☐ Disconnect Main Acct Tel # ☐ Disconnect Additional Line Tel #(s) Only

☐ Suspend Service - End User Request

Due Date

End User Ready Date ____/____/____ Offered Due Date ____/____/____ Disconnect Date for Old Address ____/____/____

We attempt to meet offered due date but work load and equipment availability must be checked before commitment to the end user.

☐ Emergency Expedite (Special Charges may apply. See Tariff.)

Premise Access (If Applicable) Hours are Monday - Friday

☐ All Day 8:00-6:00 ☐ AM 8:00-Noon ☐ PM Noon-6:00 ☐ 4 Hour Interval (Bet. 8:00 & 6:00) _____ - _____

Access Remarks _____

_____

C. End User Information

Main Account # (_____)-_____-_____ Other Line #s (_____)-_____-_____ (_____)-_____-_____

End User Name _____

End User Service Address _____

Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____

New Address Information for New Connects and Moves to New Address

End User New Service Address _____

Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____

Route/Box _____ If Unnumbered Address - Directions _____

_____

_____

If Unnumbered Address - Former Occupant Tel # (_____)-_____-_____or Neighbor's Tel # (_____)-_____-_____

D. Firm Order Confirmation

BellSouth Order # _____	BellSouth Order # _____	BellSouth Order # _____
Assigned # (_____)-_____-_____	Assigned # (_____)-_____-_____	Assigned # (_____)-_____-_____
MemoryCall®	MemoryCall®	MemoryCall®
Access # (_____)-_____-_____	Access # (_____)-_____-_____	Access # (_____)-_____-_____
Temp Password _____-_____	Temp Password _____-_____	Temp Password _____-_____
RingMaster® I (_____)-_____-_____	RingMaster® I (_____)-_____-_____	RingMaster® I (_____)-_____-_____
RingMaster® II	RingMaster® II	RingMaster® II
(a) (_____)-_____-_____	(a) (_____)-_____-_____	(a) (_____)-_____-_____
(b) (_____)-_____-_____	(b) (_____)-_____-_____	(b) (_____)-_____-_____

BellSouth Service Rep _____ Tel # 800-872-3116 Remarks _____

_____

_____

Order Due Date ____/____/____ Premise Visit (Y/N) ____ Time Scheduled _____ Blg. Acct. _____

§ BellSouth Line Based Calling Cards and Grandfathered Services are not available for resale.

Certain customized billing arrangements may not be applicable. Refer to state tariffs for availability and descriptions.

DRAFT

OLEC Name _____ Page ____ of ____
End User Account # (____)-____-____ PON _____ VER ____
BellSouth Order # _____

E. Directory Listing Please PRINT the listing exactly as the end user desires it to appear in our records.

Main Account Number ☐ Listed ☐ Non-Listed ☐ Non-Published

Name _____

Street Address _____

City _____

☐ Add'l Listing ☐ Add'l Line Number Listing ☐ Listed ☐ Non-Listed ☐ Non-Published

Name _____

☐ Add'l Listing ☐ Add'l Line Number Listing ☐ Listed ☐ Non-Listed ☐ Non-Published

Name _____

Directory Delivery Address (if different from service address)

Address _____

City/Town/ZIP _____

Number of Directories Requested _____

(It is not necessary to provide information here unless the end user indicates a need for additional directories. Residential customers receive one directory automatically. They may receive up to 3 directories.)

F. Intercept

The 'Action Requested' in Part B determines the appropriate announcement as explained in the LSR instructions. It is not necessary to designate the intercept announcement unless the end user desires a different standard announcement than would normally be provided for the 'Action Requested'. The available standard announcements and associated codes are included with the LSR instructions. Enter the desired standard intercept announcement code and any remarks desired to explain the request.

_____
_____
_____
_____

Intercept announcements for residence lines continue for a maximum of ninety (90) days.

G. Multi-Line Action Requests

Does the action requested in Part B apply to all lines in the end user account? (Y/N) _____

If NO, explain

_____
_____
_____
_____

DRAFT

OLEC Name_____
☐ End User Main Account # (_____)-_____-_____
☐ Additional Telephone Line Number (_____)-_____-_____

PON_____ VER _____
BellSouth Order # _____

H-1. Line and Line Features

In Out

Residence Line

☐ ☐ Flat Rate
☐ ☐ Usage Based Pricing
Type _____
☐ ☐ Measured Rate
Type _____
☐ ☐ Message Rate
Type _____

☐ ☐ **Touch Tone**

Other

☐ ☐ _____
☐ ☐ _____

☐ ☐ **Grouping (Hunting) Service**
Type _____

☐ ☐ **Service Blocking Options** (Pg 109)
Option # (1-4,6) _____

Toll Billing Exceptions

☐ ☐ No Collect & No 3rd # Billing
☐ ☐ No 3rd # Billing
☐ ☐ No Collect

Long Distance Carrier
IntraLata _____
InterLata _____

Optional Calling Plan
Type _____
WatsSaver (Y/N) _____
Type (If yes) _____

Inside Wiring and Jacks

In Out

☐ ☐ **Inside Wire Maintenance Plan**

Flat Rate Schedule

Quantity
_____ Jacks & Wiring for Wall Sets, Exposed Wiring
_____ Jacks & Wiring for Baseboard Sets, Exposed Wiring
_____ Jacks for Wall Sets, Wiring in Place
_____ Jacks for Baseboard Sets, Wiring in Place

Other - Specify

_____ _____
_____ _____
_____ _____

Time & Materials Schedule

Quantity
_____ Locations - Rewire Existing Jack for Additional Line
_____ Jacks & Wiring for Wall Sets, Concealed Wiring
_____ Jacks & Wiring for Baseboard Sets, Concealed Wiring
_____ Connect Wire from Mobile Home to Service Pole
_____ Move Outside Drop Wire to Network Interface
_____ Locations - Move Inside Jack Wire to Network Interface

Other - Specify

_____ _____
_____ _____
_____ _____

Features and Services

In Out

Custom Calling Services

☐ ☐ Call Forwarding Variable
☐ ☐ Call Waiting
☐ ☐ Call Waiting Deluxe
☐ ☐ Speed Calling (8 Code)
☐ ☐ Speed Calling (30 Code)
☐ ☐ Three Way Calling
☐ ☐ Block Usage Sensitive Three Way Calling
☐ ☐ Call Forwarding Busy Line
Forward To #
_____-_____-_____
☐ ☐ Call Forwarding Don't Answer
Forward To #
_____-_____-_____
Rings Before Transfer
(3 Recommended) _____
☐ ☐ End User Control - Call Fwd Busy
☐ ☐ End User Control - Call Fwd Don't Answer
☐ ☐ Remote Access Call Forwarding Variable

MemoryCall®

☐ ☐ MemoryCall® Basic
☐ ☐ MemoryCall® Deluxe
☐ Pager Notification
☐ Tone ☐ Digital ☐ Voice
☐ Special Delivery Notification
Attendant #
_____-_____-_____
☐ ☐ MemoryCall® Personal Mailbox
☐ ☐ Message Waiting Indicator

In Out

TouchStar® Service

☐ ☐ Anonymous Call Rejection
☐ ☐ Call Block
☐ ☐ Call Return
☐ ☐ Call Selector
☐ ☐ Call Tracing
☐ ☐ Caller ID Basic
☐ ☐ Caller ID Deluxe
☐ ☐ Preferred Call Forwarding
☐ ☐ Repeat Dialing
☐ ☐ Block Usage Sensitive Call Return
☐ ☐ Block Usage Sensitive Repeat Dialing

☐ ☐ **RingMaster® I**
Listing Information
_____
_____
_____
_____

☐ ☐ **RingMaster® II**
Listing Information
(a.)_____
_____
_____
(b.)_____
_____
_____

Prestige® Service ONLY

☐ ☐ Call Forwarding Busy Line
Forward To #
_____-_____-_____
☐ ☐ Call Forwarding Don't Answer
Forward To #
_____-_____-_____
Rings Before Transfer
(3 recommended) _____
☐ ☐ Call Forwarding Variable
☐ ☐ Call Waiting
☐ ☐ Speed Calling 6
☐ ☐ Speed Calling 30
☐ ☐ User Transfer/Conferencing
☐ ☐ User Transfer/Conf./Call Hold
☐ ☐ User Transfer/Conf./Call Pick-Up
☐ ☐ User Transfer/Conf/Pick-Up/Hold

Not all 'Line and Line Features' apply in every state. Refer to the state tariffs for availaility and descriptions. 06-05-96

DRAFT

OLEC Name_____
☐ End User Main Account # (_____)-_____-_____
☐ Additional Telephone Line Number (_____)-_____-_____

PON_____ VER _____
BellSouth Order # _____

H-2. Features and Services (cont.)

In Out
☐ ☐ **Remote Call Forwarding**
Forward To #
_____-_____-_____
☐ ☐ Change Forward To #
_____-_____-_____
Change RCF From:
☐ ☐ Local to Toll
☐ ☐ Toll to Local
☐ ☐ Add (#) _____ RCF Paths
☐ ☐ Delete (#) _____ RCF Paths

In Out
WATS - 800 Service
☐ ☐ Open
☐ InterLata/Intrastate
☐ Interstate
☐ ☐ Option (IntraLata Only)
☐ ☐ Termination - Exchange Line
Existing WATS #s
_____-_____-_____
_____-_____-_____
_____-_____-_____
Current Miscellaneous Billing #
_____
Call Detail (Y/N) _____
LATA Names:
_____
_____
_____
IntraLata Carrier_____
InterLata Carrier_____

In Out
Private Line
☐ ☐ Voice
☐ ☐ Data
Existing Circuit IDs
_____
_____
_____
If Voice: Signaling Required
(Y/N) _____
If Yes - Type _____
If Data: ☐ Analog or ☐ Digital
2 or 4 Wire _____
Is conditioning Req'd (Y/N) ____
If Yes - Type _____
Circuit Location Addresses:
_____
_____
_____

Remarks

DRAFT

Supplemental Local Service Request - Residence

After Firm Order Confirmation

Date ____/____/____

Fax # 800-872-7059

A. Other Local Exchange Company

Co/OCN _____ PON _____ VER ____ RPON _____

Issued By _____ Telephone # (____)-____-____ Project_____

Remarks _____

_____ FAX # (____)-____-____

B. Action Requested and Remarks

_____

_____

_____

_____

_____

_____

_____

_____

C. End User

Account Number (____)-____-____ BellSouth Order # (s) _____ Current Due Date ___/___/___

Other Line Numbers (____)-____-____ (____)-____-____ (____)-____-____

D. Firm Order Confirmation

BellSouth Order # _____ BellSouth Order # _____ BellSouth Order # _____

Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____

Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____

Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____

RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

BellSouth Service Rep _____ Tel # 800-872-3116 Due Date ____/____/____
Premise Visit (Y/N) ____ Time Scheduled _____ Blg. Acct. _____ Remarks _____

_____

_____

_____

Not all 'Line and Line Features' apply in every state. Refer to the state tariffs for availaility and descriptions.

DRAFT

BELLSOUTH LOCAL SERVICE REQUEST - BUSINESS

Date ____/____/____

Fax # 800-872-705

A. Other Local Exchange Company

Co/OCN _____ PON _____ VER ___ RPON _____
Issued By _____ Tel # (____)-____-____ Project_____
Implementation Contact _____ Tel # (____)-____-____ Remarks _____
_____
_____ FAX # (____)-____-____

B. Action Requested

Establish OLEC Service §
☐ New ☐ Switch as is ☐ Switch with changes ☐ Switch with new addre
☐ Easy Number _____
☐ Specific Number a. _____ b. _____ c. _____

Existing OLEC Account
☐ Change Tel #(s) ☐ Change Features/Services ☐ Chg Listing/Directory
☐ Add Telephone Line ☐ Move to New Address - Keep Existing Tel #, if possible (Y/N) ____
☐ Easy Number _____
☐ Specific Number a. _____ b. _____ c. _____
☐ Disconnect Main Acct Tel # ☐ Disconnect Additional Line Tel #(s) Only
☐ Suspend Service - End User Request

Due Date
End User Ready Date ____/____/____ Offered Due Date ____/____/____ Disconnect Date for Old Address ____/____/____
We attempt to meet offered due date but work load and equipment availability must be checked before commitment to the end user.
☐ Emergency Expedite (Special Charges may apply. See Tariff.)

Premise Access (If Applicable) Hours are Monday - Friday
☐ All Day 8:00-6:00 ☐ AM 8:00-Noon ☐ PM Noon-6:00 ☐ 4 Hour Interval (Bet. 8:00 & 6:00) _____ - _____
Access Remarks _____
_____

C. End User Information

Main Account # (____)-____-____ Other Line #s (____)-____-____ (____)-____-____
End User Name _____
End User Service Address _____
Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____

New Address Information for New Connects and Moves to New Address

End User New Service Address _____
Apt/Bldg/Suite/Lot _____ City/State _____ Zip _____
Route/Box _____ If Unnumbered Address - Directions _____
_____
_____
If Unnumbered Address - Former Occupant Tel # (____)-____-____or Neighbor's Tel # (____)-____-____

D. Firm Order Confirmation

BellSouth Order # _____
Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____
RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

BellSouth Order # _____
Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____
RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

BellSouth Order # _____
Assigned # (____)-____-____
MemoryCall®
Access # (____)-____-____
Temp Password ____-____
RingMaster® I (____)-____-____
RingMaster® II
(a) (____)-____-____
(b) (____)-____-____

BellSouth Service Rep _____ Tel # 800-872-3116 Remarks _____
_____
_____
Order Due Date ____/____/____ Premise Visit (Y/N) ____ Time Scheduled _____ Blg. Acct. _____

§ BellSouth Line Based Calling Cards and Grandfathered Services are not available for resale.
Certain customized billing arrangements may not be applicable. Refer to state tariffs for availability and descriptions.

DRAFT

DIRECTORY LISTING REQUEST

BellSouth LSR
Fax # 800-872-7059

Other Local Exchange Company

Date ____/____/____ PON _____ VER _____ RPON _____
Company _____ FAX #(_____)-_____-_____
Issued By _____ Telephone # (_____)-_____-_____
Remarks _____

End User

End User Name _____
End User Address _____
Main Account Number (_____)-_____-_____ Existing YP Advertising (Y/N)_____
End User Misc Account Number _____

Firm Order Confirmation

Date Prepared ____/____/____ BellSouth Svc Rep _____
Tel # (____)-_____-_____ Remarks _____
Blg Account _____
Misc Account # Assigned _____
BellSouth Order # _____ Due Date ____/____/____
BellSouth Order # _____ Due Date ____/____/____
BellSouth Order # _____ Due Date ____/____/____

Directory Delivery Address (if different from service address)

Delivery Name _____
Delivery Address _____
City/State/ZIP _____
Number of Directories Requested _____

Listing Request

- ☐ New Account
- ☐ Add to Current Acct
- ☐ Change Listing
- ☐ Disconnect Account
- ☒ Delete from Current Acct
- ☐ Correct Listing

Type Listing

- ☐ Business
- ☐ Residence
- ☒ City Gov't
- ☐ County Gov't
- ☐ State Gov't
- ☐ US Gov't

Listing Information *Attach additional pages as required.*

Listing Order (1)	Caption Indent Level (2)	Listed Name § (3)	Listed Address (4)	Tel Number (5)	I., NL NP §§ (6)	Yellow Page Heading & SIC (7)	Community of Listing (8)

§ PRINT the listing exactly as the end user desires it to appear.

§§ Listed, Non-Listed or Non-Published

DRAFT

OLEC Name_____ Page____of____
End User Account # (_____)-_____-_____ PON_____ VER ____

F. Intercept

The 'Action Requested' in Part B determines the appropriate announcement as explained in the LSR instructions. It is not necessary to designate the intercept announcement unless the end user desires a different standard announcement than would normally be provided for the 'Action Requested'. The available standard announcements and associated codes are included with the LSR instructions. Enter the desired standard intercept announcement code and any remarks desired to explain the request.

Telephone Line Number	Requested Announcement Code and Remarks
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	
(_____)-_____-_____	

Intercept announcements for business lines continue for a maximum of six (6) months.

G. Multi-Line Action Requests

Does the action requested in Part B apply to all lines in the end user account? (Y/N) _____

If NO, explain _____

DRAFT

OLEC Name_____

☐ End User Main Account # (_____)-_____-_____

☐ Additional Telephone Line Number (_____)-_____-_____

BellSouth Business LSR

Page_____of_____

PON_____ VER _____

BellSouth Order # _____

H-1. Line and Line Features

In Out

Business Line

☐ ☐ Flat Rate

☐ ☐ Usage Based Pricing
Type _____

☐ ☐ Measured Rate
Type _____

☐ ☐ Message Rate
Type _____

☐ ☐ **Touch Tone**

Other

☐ ☐ _____

☐ ☐ _____

☐ ☐ Back-Up* Line

☐ ☐ Coin

☐ ☐ PBX Trunk
Type _____
Type _____
Type _____

Signaling Type:
☐ Ground Start
☐ Loop Start

☐ ☐ **Grouping (Hunting) Service**
Type _____

☐ ☐ **Service Blocking Options** (Pg 109)
Option # (1-4,6) _____

Toll Billing Exceptions

☐ ☐ No Collect & No 3rd # Billing

☐ ☐ No 3rd # Billing

☐ ☐ No Collect

Long Distance Carrier
IntraLata _____
InterLata _____

Optional Calling Plan
Type _____
WatsSaver (Y/N) _____
Type (If yes) _____

Inside Wiring and Jacks

In Out

☐ ☐ **Inside Wire Maintenance Plan**

Flat Rate Schedule

Quantity

_____ Jacks & Wiring for Wall Sets, Exposed Wiring

_____ Jacks & Wiring for Baseboard Sets, Exposed Wiring

_____ Jacks for Wall Sets, Wiring in Place

_____ Jacks for Baseboard Sets, Wiring in Place

Other - Specify

_____ _____

Time & Materials Schedule

_____ Locations - Rewire Existing Jack for Additional Line

_____ Jacks & Wiring for Wall Sets, Concealed Wiring

_____ Jacks & Wiring for Baseboard Sets, Concealed Wiring

_____ Connect Wire from Mobile Home to Service Pole

_____ Move Outside Drop Wire to Network Interface

_____ Locations - Move Inside Jack Wire to Network Interface

Other - Specify

_____ _____

_____ _____

Features and Services

In Out

Custom Calling Services

☐ ☐ Call Forwarding Variable

☐ ☐ Call Waiting

☐ ☐ Call Waiting Deluxe

☐ ☐ Speed Calling (8 Code)

☐ ☐ Speed Calling (30 Code)

☐ ☐ Three Way Calling

☐ ☐ Block Usage Sensitive Three Way Calling

☐ ☐ Call Forwarding Busy Line
Forward To #
_____-_____-_____

☐ ☐ Call Forwarding Don't Answer
Forward To #
_____-_____-_____
Rings Before Transfer
(3 Recommended) _____

☐ ☐ End User Control - Call Fwd Busy

☐ ☐ End User Control - Call Fwd Don't Answer

☐ ☐ Remote Access Call Forwarding Variable

Features and Services (cont.)

In Out

TouchStar® Service

☐ ☐ Anonymous Call Rejection

☐ ☐ Call Block

☐ ☐ Call Return

☐ ☐ Call Selector

☐ ☐ Call Tracing

☐ ☐ Caller ID Basic

☐ ☐ Caller ID Deluxe

☐ ☐ Preferred Call Forwarding

☐ ☐ Repeat Dialing

☐ ☐ Block Usage Sensitive Call Return

☐ ☐ Block Usage Sensitive Repeat Dialing

MemoryCall®

☐ ☐ MemoryCall® Basic

☐ ☐ MemoryCall® Deluxe
☐ Pager Notification
☐ Tone ☐ Digital ☐ Voice
☐ Special Delivery Notification
Attendant #
_____-_____-_____

☐ ☐ MemoryCall® Personal Mailbox

☐ ☐ Message Waiting Indicator

☐ ☐ **RingMaster® I**
Listing Information

_____

_____

_____

_____

☐ ☐ **RingMaster® II**
Listing Information

(a.)_____

_____

_____

_____

(b.)_____

_____

_____

_____

Not all 'Line and Line Features' or 'Features and Services' apply in every state. Refer to the state tariffs for availability and descriptions. 06-05-96

DRAFT

OLEC Name_____
☐ End User Main Account # (_____)-_____-_____
☐ Additional Telephone Line Number (_____)-_____-_____

PON_____ VER ____
BellSouth Order # _____

H-2. Features and Services (cont.)

In Out

Prestige® Communications ONLY

☐ ☐ *Call Forwarding* Busy Line
Forward To #
_____-_____-_____

☐ ☐ Call Forwarding Don't Answer
Forward To #
_____-_____-_____
Rings Before Transfer
(3 recommended) _____

☐ ☐ Call Forwarding Variable
☐ ☐ Call Waiting
☐ ☐ Speed Calling 6
☐ ☐ Speed Calling 30
☐ ☐ User Transfer/Conferencing
☐ ☐ User Transfer/Conf./Call Hold
☐ ☐ User Transfer/Conf./Call Pick-Up
☐ ☐ User Transfer/Conf/Pick-Up/Hold

☐ ☐ **Remote Call Forwarding**
Forward To #
_____-_____-_____

☐ ☐ *Change Forward To #*
_____-_____-_____
Change RCF From:
☐ ☐ Local to Toll
☐ ☐ Toll to Local
☐ ☐ Add (#) _____ RCF Paths
☐ ☐ Delete (#) _____ RCF Paths

☐ ☐ **WATS**
Type:
☐ OutWats (see details below)
☐ 800 Service (see details below)

Existing WATs Number(s)
_____-_____-_____
_____-_____-_____
_____-_____-_____
Current WATs Billing Number
_____

OutWats (Service Details)
Type: ☐ Combined
☐ IntraLata Only
# of Circuits Requested _____
Type of Jack (if different from RJ11C) _____
☐ 2 Wire or ☐ 4 Wire

☐ ☐ *Speed Calling*
Type: ☐ 8 or ☐ 30
Long Distance Carrier
IntraLata _____
InterLata _____
Message Detail (if applicable)
Yes or No _____

In Out

WATS (cont.)

800 Only (Service Details)
☐ ☐ Open
☐ InterLata/Intrastate
☐ Interstate
☐ ☐ Option (IntraLata Only)
Type Termination:
☐ Exchange Line
☐ Access Line
If access, 2 or 4 Wire _____
Call Detail (Y/N) _____
LATA Names:
_____
_____
_____
IntraLata Carrier_____
InterLata Carrier_____

Private Line
☐ ☐ Voice
☐ ☐ Data
Existing Circuit IDs
_____
_____
_____
If Voice: Signaling Required (Y/N) _____
If Yes - Type _____
If Data: ☐ Analog or ☐ Digital
2 or 4 Wire _____
Is conditioning req'd (Y/N) _____
If Yes - Type _____
Circuit Location Addresses:
_____
_____
_____

To request any of the following services contact your OLEC Account Team. Check the appropriate block to alert the LCSC to expect additional information from the Account Team concerning your order.

☐ Accupulse®
☐ Broadcast Quality Video
☐ Connectionless Data Service (CDS)
☐ Commercial Quality Video
☐ DDAS
☐ ESSX®
☐ ESSX® MemoryCall
☐ ESSX® ISDN
☐ FlexServ®
☐ Frame Relay
☐ HiCap
☐ Lightgate®
☐ Megalink®
☐ Megalink® Channel Service
☐ Native Mode LAN Interconnection (NMLI)
☐ Primary Rate ISDN
☐ Pulselink
☐ Single Line ISDN
☐ Access SMARTPath®
☐ Megalink SMARTPath®
☐ SmartRing®
☐ Synchronet®
☐ UniServ

Remarks

DRAFT

Supplemental Local Service Request - Business

After Firm Order Confirmation

Date ____/____/____

Fax # 800-872-7059

A. **Other Local Exchange Company**

Co/OCN _____ PON _____ VER ____RPON _____

Issued By _____ Telephone # (____)-_____-_____ Project_____

Remarks _____

_____ FAX # (____)-_____-_____

B. **Action Requested and Remarks**

C. **End User**

Account Number (_____)-_____-_____ BellSouth Order # (s)_____Current Due Date ____/____/____

Other Line Numbers (_____)-_____-_____ (_____)-_____-_____ (_____)-_____-_____

Other Line Numbers (_____)-_____-_____ (_____)-_____-_____ (_____)-_____-_____

D. **Firm Order Confirmation**

BellSouth Order # _____	BellSouth Order # _____	BellSouth Order # _____
Assigned # (____)-_____-_____	Assigned # (____)-_____-_____	Assigned # (____)-_____-_____
MemoryCall®	MemoryCall®	MemoryCall®
Access # (____)-_____-_____	Access # (____)-_____-_____	Access # (____)-_____-_____
Temp Password _____-_____	Temp Password _____-_____	Temp Password _____-_____
RingMaster® I (____)-_____-_____	RingMaster® I (____)-_____-_____	RingMaster® I (____)-_____-_____
RingMaster® II	RingMaster® II	RingMaster® II
(a) (____)-_____-_____	(a) (____)-_____-_____	(a) (____)-_____-_____
(b) (____)-_____-_____	(b) (____)-_____-_____	(b) (____)-_____-_____

BellSouth Service Rep _____ Tel # 800-872-3116 Due Date ____/____/____

Premise Visit (Y/N) ____ Time Scheduled _____ Blg. Acct. _____ Remarks _____

Not all 'Line and Line Features' or 'Features and Services' apply in every state. Refer to the state tariffs for availability and descriptions. 03-29-96

DRAFT

This section contains information on LSR requirements. The 'LSR Requirements' shown in the example boxes below are supplied by the OLEC. The BellSouth LCSC completes Part D and returns the Firm Order Confirmation to the OLEC by fax.

It is not necessary to send all sections of the LSR with each request. All local service requests will require Parts A, B, and C. Send only the additional parts necessary to process the order for your end user.

Example 1	**Switch from BellSouth to an OLEC with No Changes - 'Switch as is'** The end user may have several line options and features but since no changes are being requested, it is not necessary to provide any data relating to the specifics. A 'Requested Due Date' should not be entered unless the end user desires a specific date for the changes. ***LSR Requirements:*** **Parts A, B, and C**

Example 2	**Switch from BellSouth to an OLEC with Feature Changes - 'Switch with changes'** The end user is not deleting any existing features but is ordering RingMaster® II. With RingMaster® an additional line is not required so Part H is not needed. Additional numbers are assigned for unique rings only. The end user is entitled to one listing for each RingMaster® number at no additional charge. In addition to the features page, the directory listing page must be included. **LSR Requirements: Parts A, B, C, E, and H**

Example 3	**New Account (No Current Local Service)** In addition to Page 1 of the LSR, data must be included for the directory listing, the line features, and any special features desired. **LSR Requirements: Parts A, B, C, E, and H**

Example 4	**Existing OLEC Account - Add an Additional Telephone Line (No Features)** **LSR Requirements: Parts A, B, C, E, and H**

Example 5	**Existing OLEC Account - Change Telephone Number** It is not necessary to provide any listing (or record) information unless it is changing along with the telephone number. The LCSC will assume any listing information should remain the same if no information is provided in Part E. Remember Non-Published numbers are not included in the printed directory and are not available in operator directory assistance records. The action requested in Part B of the LSR will automatically generate an appropriate intercept recording for the change requested. It is not necessary to enter any information in Part F - Intercept unless the customer has a non-standard request. Standard intercept recordings information is contained in the LSR procedures section. **LSR Requirements: Parts A, B, C, and E**

Example 6	**Existing OLEC Account - Change Features** When an LSR is issued for an end user account with additional numbers associated with the main account telephone number, Part G must be completed to indicate whether or not the requested activity applies to all numbers in the account. **LSR Requirements: Parts A, B, C, G, and H**

Example 7	**SLSR issued after Firm Order Confirmation** The end user adds features after the Firm Order Confirmation is received at the OLEC for a new telephone line number. **SLSR Requirements: Parts A, B, and C**

Example 8	**Existing OLEC Account - Move to a New Address Transferring #, if Available** The end user is moving to a new address and desires to transfer their existing telephone number if it is available to serve the new service address location. When service is being disconnected at one location and established at a new service address, the end user must provide a disconnect date for the old address as well as the date to establish service at the new service location. **LSR Requirements: Parts A, B and Part C**

Example 9	**Existing OLEC Account - Disconnect Main Account Telephone Number** The end user is disconnecting local telephone service. It is not necessary to disconnect (or 'OUT' each portion of their service since a disconnect order for the main account automatically removes all services. **LSR Requirements: Parts A, B and Part C**

Denial and Restoral Procedures

Requests to Deny, Restore or Disconnect (after a denial only) local service for OLEC end users are processed separately from the LSR. Both Residence and Business telephone numbers can be included on one Denial and Restoral form.

These requests must be received in the LCSC no later than 3:00 PM, Monday - Friday in order to insure that the order can be processed on the same day it is received.

The forms are completed by the **Other Local Exchange Company (OLEC)** and faxed or mailed to BellSouth's **Local Carrier Service Center (LCSC)** for processing. The LCSC will provide a Firm Order Confirmation as notification of order issuance and confirmation of the work due date. (A)

These procedures contain the following:

Instructions - BellSouth Denial/Restoral - Residence & Business

Exhibit - BellSouth Denial/Restoral - Residence & Business

Sample - Completed Denial/Restoral Form
(Under development)

Restrictions

Service is **not normally** denied on:

- Fridays, Saturdays and Sundays
  Additionally, in Alabama, Louisiana, Tennessee and Mississippi, only business lines may be denied on Fridays.
- Holidays or the day before a Holiday

The denial, restoral or disconnects after a denial requests are issued separately from the LSRs to facilitate prompt identification of these requests and timely processing of the orders.

Following are definitions for requested data on the BellSouth Denial/Restoral form.

Date : The date the OLEC submits the Denial/Restoral form to the LCSC.

Page 1 of ____: Enter the appropriate page #s at the top of each page of Denial/Restoral requests submitted.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number" for the OLEC submitting the Denial/Restoral.

Issued By: The name of the person completing the Denial/Restoral form.

Telephone Number: The telephone number of the person completing the Denial/Restoral form.

Remarks: Available for the issuer to provide any additional information that would assist in order processing.

FAX #: The OLEC's fax number for receipt of the Firm Order Confirmation. (C)

B. - Action Requested

PON: The OLEC Purchase Order Number. This number may be up to thirteen (13) alpha numeric characters.

Main Account Telephone Number: The end user main account telephone number.

Check Deny or Restore Service: Check the appropriate block to indicate whether the telephone line number should be denied or restored.

Disconnect Service after Denial: Check this block if the telephone service should be disconnected. If the disconnection is not related to denial of service, the LSR for the appropriate service (residence or business) should be completed.

Telephone Number, if Different from Main Account Number: If the number being denied, restored or disconnected is not the main account number, enter the number(s). When the entire account should be denied, restored or disconnected, list all the additional telephone numbers associated with the account.

Requested Due Date: The date the OLEC is requesting the activity be completed.

The next two (2) columns are to be completed by the BellSouth LCSC.

BellSouth Order Number: The BellSouth internal order number. This number will be required for tracing the request should there be a need for subsequent activity.

Order Due Date: The date the requested activity is scheduled to be performed.

Note 1: **Normal Billing for all end user services will continue while the service is in the denied status.**

Note 2: **If the order is received in the LCSC before 3:00 PM today, the order will be issued with a due date of today. If the order is issued after 3:00 PM today, the order will be issued with a due date of the next business day.**

C. - Firm Order Confirmation

BellSouth Service Representative: The name of the BellSouth LCSC employee who is responsible for processing the order and firm order confirmation.

Telephone Number: The telephone number of the BellSouth LCSC employee.

Remarks: Available for the BellSouth LCSC employee to provide any additional information required.

BELLSOUTH DENIAL/RESTORAL - RESIDENCE & BUSINESS

Date ____/____/____

Fax # 800-872-7059

A. Other Local Exchange Company

Co/OCN _____ Issued By _____ Telephone # (_____)-_____-_____
Remarks _____

FAX # (_____)-_____-_____

B. Action Requested

Purchase Order Number	Main Account Telephone Number	Check Deny Service or Restore Service	Disconnect Service After Denial	Telephone Number, if different from Main Account Number	Requested Due Date	BellSouth Order Number	Due Date
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				
		☐ Deny ☐ Restore	☐ Disconnect				

Full Billing for all services continues while the account is in denied status.

C. Firm Order Confirmation

BellSouth Service Rep _____ Tel #: 800-872-3116 Remarks _____

Scheduling Due Dates

Basic Telephone Service (Business & Residence)

Due dates for OLEC end users will be assigned using the same guidelines as used for BellSouth end users. BellSouth will provide service on the requested due date or the earliest available installation date thereafter.

Note:

Every effort will be made to meet an end user's requested due date if one is provided. The due date is impacted by work load, features and services requested, equipment availability, premise visit requirements, etc. These items can only be determined when the order is processed. Commitments should not be made to the end user until a Firm Order Confirmation is received. (C)

Scheduling Due Dates (continued)

Complex Services

BellSouth will attempt to meet requested due dates for complex services, both project and non-project. However, due dates for project services must be negotiated through a project coordination team and normally require extended intervals.

Complex Services - Non-Project

The following services are considered non-project. If the quantity exceeds a service specific threshold, project treatment will be required. This list is not all inclusive.

* 2.4kb, 4.8kb, 9.6kb, 56kb, 64kb services
* Dial Access Lines and Wats
* Multi-point services
* Private line services (alarms, tie lines...)
* Metro Services (subsequent orders-see projects)
* Trunk-side terminations (DID changes to existing groups)
* Voice grade services (FX's, OPX's, LG's...)
* Non-access and access non-designed specials
* ISDN basic rate and single line
* Non-FSO ESSX service (D)

Scheduling Due Dates (continued)

Complex Services - Project

Projects are defined as any type of service request which requires external/internal coordination for the procurement of facilities or equipment. Dates for these services will be negotiated with the project coordination team. The following require project treatment. This list is not all inclusive.

- *1.544mbs
- *AccuPulse
- *Alternate Service Wire Center
- *CCS Links
- *Commercial Video
- *Derived Data Channel Service (FastConnect)
- *ESSX Service into ISDN
- *FlexServ
- *Large quantities for non-project services
- *LightGate or DS3 or upgrade
- *MegaLink Channel Service (channelized non-access 1.544mbs)
- *MegaLink into ISDN
- *PulseLink Service
- *SMARTRing
- *Special Assemblies and Alternate Routing Requests
- *Trunk-side terminations (DID, new groups). (D)

Confirmation of Service Request

After processing the OLEC service request, a Firm Order Confirmation (FOC) will be returned to the OLEC via facsimile. The confirmation will provide the BellSouth order number, the negotiated service due date, telephone numbers (as applicable to the service), and the BellSouth service representative name and telephone number. Additional service specific data may also be provided.

Note:

The FOC does not constitute, and is not, a guarantee that facilities are available. The committed due date is based on an assumption that facilities are available. If there is a post-FOC facility problem, the OLEC will be informed of the estimated service date. BellSouth will attempt to issue the FOC within 24 hours of receipt of a complete/correct service request.

Service Request Changes and Cancellations

BellSouth should be notified as soon as possible of any service request changes or cancellations. Early notification will allow adequate time to process the change and notify all affected departments. This will ensure the order properly reflects all requested service and appropriate billing.

Changes and cancellations should be submitted by facsimile. The Supplemental Local Service Request (SLSR) should have specific remarks identifying the desired action and/or changes.

Missed Appointments

If an appointment is missed for end user reasons, the LCSC will provide notification (see following page) to the OLEC via facsimile. (C)

The OLEC should enter a new requested due date on the notification form and return the form via facsimile to the LCSC. If a new due date is not provided within 14 calendar days, the original service order will be canceled.

Service Jeopardies

If it is determined, after the Firm Order Confirmation but **prior to the due date**, that a committed service date cannot be met for any reason, the OLEC will be notified promptly by a telephone call from the LCSC. (N) (N) (N)

If it is determined **on the due date** that the service cannot be provided on that date, the OLEC will be notified promptly by a telephone call from installation control center personnel. (N) (N) (N)

BellSouth
Missed Appointment Notification

A. **Other Local Exchange Company**

Company Name/OCN _____

PON _____ BellSouth Order Number _____

End User Telephone Number _____ Missed Due Date _____

End User Name _____

B. **Action Requested**

Negotiate a New Requested Due Date _____

Premise Access, if applicable: Hours are Monday - Friday

☐ All Day 8:00 - 6:00 ☐ AM 8:00 - Noon ☐ PM Noon - 6:00 PM ☐ 4 Hour Interval (Bet. 8:00 & 6:00)

Access Remarks _____

_____

_____

C. **Due Date Change Confirmation**

BellSouth Order Number _____ Due Date _____ Time Scheduled _____

BellSouth Service Representative _____ Telephone Number _____

Remarks _____

_____

_____

_____

_____

_____

_____

_____

_____

DRAFT

RESERVING POTS TELEPHONE NUMBERS

Reserving Telephone Numbers for End User Assignment

As an option, OLECs may choose to reserve a pool of numbers for POTS (Plain Old Telephone Service) which will allow the "pre-assignment" of numbers for end users. Telephone numbers may be reserved by submitting a POTS Number Reservation Request. The form and instructions for completion are provided in this section. Prints of the reserved telephone numbers (example included in this section) will be returned to the OLEC by fax.

A maximum of 100 telephone numbers per CLLI (Common Language Location Identifier) may be reserved for a maximum of three months. It is up to the OLEC to manage their pool of numbers so as to prevent duplicate number assignments and monitor the reserved numbers for exhaustion. Additional numbers can be requested as required.

The OLEC may assign a reserved telephone number as appropriate during negotiations with end users. However, the OLEC must advise the end user that the number cannot be guaranteed until service is installed.

Note: Reserved POTS numbers are not permanently assigned to an OLEC. As numbers are freed up by end user activity, they will be returned to the general purpose pool which is controlled by BellSouth.

Special Considerations

Some end user locations are served by multiple switches which may support different services. It is the OLEC's responsibility to take this into consideration when assigning a telephone number.

At times, it is necessary for BellSouth to introduce a 'switch freeze' for switch replacement activity. When this happens, number reservation in BellSouth systems is disallowed.

ONLY POTS (Plain Old Telephone Service) numbers may be reserved. DID number scopes, series hunting, TERs (Terminals), HMLs (Hunting Multi-Line), Special Numbers, etc., must be assigned by the LCSC on a case-by-case basis to meet needs for specific service order activity.

Some switches serve multiple local calling areas. The LCSC will have a list of these exceptions, for proper administration of number reservations.

POTS Telephone Number Reservation Request (N)

The POTS Telephone Number Reservation Request is designed to reserve blocks of telephone numbers associated with specific CLLI (Common Language Location Identifier) codes. It can only be used to reserve POTS (Plain Old Telephone Service) numbers DID number scopes, series hunting, TERs, HMLs, etc., must be assigned by the LCSC on a case-by-case basis to meet needs for specific Local Service Request activity.

A copy of the request form follows these instructions. Following are definitions for the requested data.

Date: The date the OLEC submits the POTS Number Reservation Request to the LCSC.

Page 1 of _____: Enter the appropriate page #s at the top of each POTS Number Reservation Request form submitted.

A. - Other Local Exchange Company

Co/OCN: The Company Name and 'Operating Company Number' for the OLEC submitting the POTS Number Reservations Request.

FAX #: The OLEC's fax number for receipt of the reserved numbers.

Requested By: The name of the person completing the POTS Number Reservations Request who is responsible for coordination of the request and any related questions.

Tel #: The telephone number of the person submitting the POTS Number Reservation Request.

Remarks: Available for the issuer to provide any additional information that would assist in processing the request for number reservation.

B. - Reservation Request Details

CLLI: 11 Alpha/Numeric Character Common Language Location Identifier code.

Number to Reserve: A maximum of 100 POTS telephone numbers can be reserved at a time.

Reserve Until Date: POTS telephone numbers can be reserved for up to three (3) months.

Confirmation Number: This field will be completed by LCSC. The Confirmation Number will be found on the printout with numbers reserved for the designated CLLI.

Number Reserved: This field will be completed by LCSC, if required. It will only be populated if LCSC was unable to completely fill your request.

Reserve Until Date: This field will be completed by LCSC, if required. It will only be populated if LCSC was unable to reserve the numbers for the period of time requested.

C. - Reservations Provided By

BellSouth Service Representative: The name of the BellSouth Local Carrier Service Center (LCSC) employee who is responsible for providing the CLLI code telephone number reservations.

Telephone Number: The telephone number of the BellSouth Service Representative.

Remarks: Available for the BellSouth Service Representative to provide any additional information required.

(N)

BELLSOUTH POTS NUMBER RESERVATION REQUEST

Date _____/_____/_____

Page 1 of _____
Fax # 800-872-7059

A. Other Local Exchange Company

Co/OCN _____ FAX # (_____)-_____-_____
Requested By _____ Tel # (_____)-_____-_____
Remarks _____

B. Reservation Request Details

CLLI Code	Number to Reserve (max 100)	Reserve Until Date (max 3 mo)	Confirmation Number(s)	Number Reserved (if diff)	Reserve Until Date (if diff)
		/ /			/ /
		/ /			/ /
		/ /			/ /
		/ /			/ /
		/ /			/ /
		/ /			/ /
		/ /			/ /
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		/ /			/ /
		/ /			/ /

DID Number Scopes, Hunting Series, TERs, HMLs, Special Numbers, etc. must be assigned by the LCSC as needed for specific LSR activity.

B. Reservations Provided By

BellSouth Service Rep_____ Tel # 800-872-3116
Remarks _____

EXAMPLE OF TELEPHONE NUMBER RESERVATION PRINTOUT

COMMAND: ATLAS XXXXXXX
SITE: TELEPHONE NUMBER RESERVATIONS (TNR--2.1)
ASR #: SWITCH TYPE: xxxx
TN: 561 637 - **** WC: DLBHFLKP49E CO(TTA): XXX
QUANTITY: 10 EASY NUMBER(S): N COIN INDICATOR: N SEQUENTIAL: N
RESERVE ALL UNTIL 08 / 31 / 96 CONFIRMATION NUMBER: 7B87K1B

SELECT	NPA	NXX-LINE	RESERVE UNTIL	
	561	637-3663	08 / 31 / 96	*
	561	637-2559	08 / 31 / 96	*
	561	637-1842	08 / 31 / 96	*
	561	637-5732	08 / 31 / 96	*
	561	637-3892	08 / 31 / 96	*
	561	637-1616	08 / 31 / 96	*
	561	637-9940	08 / 31 / 96	*
	561	637-9539	08 / 31 / 96	*
	561	637-9340	08 / 31 / 96	*
	561	637-9298	08 / 31 / 96	*

CUSTOMER NAME: ABC LOCAL CARRIER TN: 800 XXX-XXXX
ORIGINATOR: MARY SMITH PAGE 1 OF 1
MESSAGE 300-TNR-01: NUMBERS MARKED WITH * ARE RESERVED

Note: Only 10 numbers are provided per screen. Printed screens of reserved numbers will be faxed to the OLEC along with the original request noting confirmation numbers.

SPECIAL NUMBER ASSIGNMENTS (N)

Description

A special telephone number is a number that is not randomly assigned by BellSouth mechanized systems. These are end user requests for either a specific telephone number or for an easy to remember telephone number. Following are some examples of possible requests.

TYPE	*EXAMPLE*
Sequential Numbers	321-**1234**
Numbers Used to Spell Words	321-**3425** or 321-DIAL
Identical Numbers	321-**1111**
Telephone Number Listed in the Directory Using Alpha in Lieu of Numeric Characters	529-**BABY**
Any digit(s) is Specified	XXX-X**6**XX or XXX-XX**9**X or XXX-XX**55**

Restrictions

- This service is available only where facilities or arrangements permit.
- Number alternatives are limited to those normally available for the serving central office or wire center which provides the access line. The end user is limited to the available options for the first three (3) digits (NXX) of the special telephone number.
- A Special Number Assignment Charge (SNAC) applies for the search only (if unsuccessful) or for the search and assignment (if successful) of special telephone number(s) per request, per telephone line. The search only charge will apply even if the order is subsequently cancelled.
- Only three (3) searches per line per charge are allowed, unless the customer agrees to pay an additional Special Number Assignment Charge(s).
- A search will not be made for a number unless an end user is placing an order.

SPECIAL NUMBER ASSIGNMENTS (continued) (N)

Guidelines

The Special Number Assignment Charge (SNAC) applies whether or not the search is successful. SNAC is applicable due to the work required to search for and/or assign a workable number. Therefore, the charge billed to the OLEC end user is non-refundable.

The SNAC applies in addition to other applicable charges.

Where two or more NXXs are available, it is not considered a special number request when the customer requests one NXX over another in the area.

When requesting Special Number Assignments, the end user must: 1) state a desire for an **easy number** or, 2) provide the **specific number** being requested. Requests for Special Number Assignments should be checked on the LSR (Section B) with details provided as necessary either in Section B or in Section A (OLEC Remarks).

Request for an Easy Number

An end user may request an easy number if they do not wish to choose a specific telephone number. When an easy number is desired, the customer is provided with three (3) "easy number" candidates from which to choose.

After the LSR is received, the LCSC Service Representative will call the OLEC with the three (3) "easy numbers". One number should be selected prior to the FOC.

Request for a Specific Number

An end user should be allowed to designate up to three (3) choices for a number(s) in order of desirability (i.e., a; (1st choice) - XXX-1234; b. (2nd choice) - XXX-4321; c. (3rd choice) - XXX-4343). The request should always be submitted specifying the desired digits, whether the request is for a specific number, a specific numerical pattern or a request for alpha characters to be listed in the directory in lieu of numeric characters.

If none of the end user choices are available, a telephone number will be randomly assigned and returned on the FOC. If that number is not acceptable to the end user, a supplemental LSR should be submitted with the appropriate request.

REPAIR PROCEDURES

Reporting Troubles

In the event of a service problem:

- The OLEC's end users must report trouble directly to the OLEC. BellSouth will not accept trouble reports directly from the OLEC's end user customer. End users calling BellSouth will be asked to contact their OLEC. (If the OLEC has provided BellSouth with an appropriate number, BellSouth will provide the OLEC contact telephone number to the end user.) On-line transfer service to the OLEC will not be available.

- The OLEC **must** pre-screen the end user trouble report in order to obtain information necessary for BellSouth repair. The required pre-screening information is provided on the following page.

BELLSOUTH
PRE-SCREENING REPAIR QUESTIONS
FOR RESELLERS

1. Telephone # Being Reported: _____

2. Name: _____

3. Address: _____

4. City & State: _____

5. Trouble Reported By: _____

6. Report Received By(OLEC contact) _____

7. OLEC Can Be Reached #: _____

8. Access # (OLEC or End User): _____

9. Do You Consider Yourself Without Telephone Service? YES / NO _____
   (Out-of-Service Question - **Florida ONLY**)

10. Is This a Calling / Called Report? Does the Problem Occur When the End User:

    a. Is Called by Someone Else ☐
    b. Is Calling a Telephone Number ☐

    If a., (Called), Provide the Calling Telephone # _____

11. Is the Trouble on All the End User Phones? YES / NO _____
    If NO, Which Phone has Trouble _____
    _____

12. Trouble Description: _____
    _____
    _____

13. Date / Time Report Rec'd: _____-_____-_____ / _____:_____ am / pm

14. Remarks: _____
    _____
    _____
    _____

DRAFT

REPAIR CENTER TELEPHONE NUMBERS

State	Residence	Business
ALABAMA	800-538-6277	800-247-2020
NORTH FLORIDA	800-216-5688	800-247-2020
SOUTH FLORIDA	800-432-1424	800-247-2020
GEORGIA	800-867-5662	800-247-2020
KENTUCKY	800-217-5057	800-247-2020
LOUISIANA	800-335-2998	800-247-2020
MISSISSIPPI	800-427-4171	800-247-2020
NORTH CAROLINA	800-642-0544	800-247-2020
SOUTH CAROLINA	800-642-0544	800-247-2020
TENNESSEE	800-873-8846	800-247-2020

LONG DISTANCE CARRIER SELECTION

Predesignated Interexchange Carrier Changes

Predesignated Interexchange Carrier (PIC) changes for OLEC end users should be referred to the desired carrier. If the desired carrier is BellSouth, or if a PIC change is requested at the same time as other service changes for the end user, the LCSC will process the change.

PIC Requests for New Service

For new or initial service, the PIC selected on the LSR will be processed by the LCSC.

Unauthorized PIC Changes

OLEC end users should report unauthorized PIC changes to the OLEC. The OLEC should contact the Equal Access Service Center (EASC) for resolution. The EASC will correct the PIC and apply charges and/or credits as appropriate.

EASC Telephone Numbers

From:

Florida, Georgia, North/South Carolina	780-2778
Other BellSouth states	557-6001
Outside BellSouth area	800-456-9127

The EASC does not accept calls directly from an end user.

Directory Assistance Exemption for End Users with Disabilities

BellSouth offers local Directory Assistance at no charge on calls from an approved telephone line for end users with disabilities. End Users who are Legally Blind, or are Visually or Physically Disabled may qualify for the exemption. (N)

When an OLEC end user wishes to apply for the local Directory Assistance exemption, the OLEC should provide the end user with the application included in this section. If an end user already has a disability exemption for local directory assistance and switches to another local service provider, a new application must be completed.

The end user should return the application to the OLEC. After review by the OLEC to insure the application is complete, the application, along with proof of the disability, must be mailed to the BellSouth Telecommunications Center for Customers with Disabilities (TCCD). **The TCCD does not accept Local Service Requests. Only applications for end user disability exemptions or special equipment inquiries or orders after local service is established are accepted.**

The completed application and appropriate documentation from the end user, should be **mailed** to:

Telecommunications Center for Customers with
Disabilities
BellSouth - 18th Floor
600 North 19th Street
Birmingham, Alabama 35203

The local directory assistance exemption will be effective within 24 hours after receipt of complete documentation from the OLEC. No credits for calls or charges prior to receipt of the application (including calls or charges not yet billed) will be given.

Exemption for End Users with Disabilities*(continued)* (N)

The application for exemption automatically expires in two (2) years for a residential line and in one (1) year for a business line. In order for the end user exemption to continue uninterrupted, a renewal request must be received in the TCCD **prior** to the expiration date.

OLECs may call the following numbers for voice calls with questions about the local directory assistance exemption application. OLEC end users should not be referred to these numbers.

Alabama, Kentucky, Louisiana, Mississippi, Tennessee	557-6253
Florida, Georgia, North Carolina, South Carolina	780-2273
Non-BellSouth territory or outside the Region	800-982-2891

These numbers can also the called for information about special equipment available through the TCCD for end users with disabilities or to place equipment orders.

Application For BellSouth Directory Assistance Exemption

Persons whose disability prevents their use of directories will not be charged for BellSouth Directory Assistance calls billed to their approved telephone number line. All BellSouth Directory Assistance calls charged to the approved telephone number line will be automatically exempted (deleted) from the bill. The number of allowable free Directory Assistance calls may vary by state. If abuse of this exemption is confirmed by investigation, this exemption could be removed.

Those having the following disabilities may qualify for exemption:

* **Legally Blind** - Those whose visual acuity is 20/200 or less in the better eye with correcting glasses, or whose widest diameter of visual field subtends an angular distance no greater than 20 degrees.

* **Visual Disabled** - Those whose visual disability, with correction and regardless of optical measurement with respect to "Legal Blindness" are certified as unable to read normal printed material. (This includes telephone book size characters.)

* **Physically Disabled** - Those who are certified by competent authority as unable to read or use ordinary printed materials as a result of physical limitations.

(Examples of physical disability cited are: loss of hands, or use or control of hands; constant server tremor, spasticity or paralysis; noncorrectable double or triple vision; incapacitating confinement as in iron lung; severely debilitating conditions such as found in advanced stages of certain diseases.)

* **The Federal Register (Vol. 35 #126, dated Tuesday June 30, 1970) is the reference source for these definitions.**

If you need an exemption for business use or employment, you must complete an application for that request also.

Please print clearly or type and return completed application to the address below:

(Insert appropriate OLEC address)

NOTE: This application is for a Residence - 2 year period or for a Business - 1 year period. At the end of that period, a renewal application will be requested which will not require recertification. For information about free Directory Assistance for long distance numbers, please call your long distance company.

Insert OLEC Information

Application For BellSouth Directory Assistance Exemption

Area Code _____ Telephone Number _____

Billing Name _____

Street Address _____

City, State, Zip _____

(First Name) (Middle Name or Initial) (Last Name)

Name of Disabled User _____

Relationship to Person Billed for Service _____

(e.g., self, sister, mother, father, brother, roommate, employer, etc.)

Explain the nature of the disability which prevents the use of the Directory.

_____

_____

_____

_____

Residence and Business Exemptions:

Signature of Disabled User _____

Business Only:

Telephone Number Assigned to Disabled User _____

Signature of Person Responsible for Billing _____

Title, Department Name _____

IMPORTANT ! !

Attach a letter from your physician, clinic or appropriate group/agency verifying your disability. The letter must be on the official letterhead of the physician, etc.

Note: Your telecommunications company will not be responsible for any charges incurred to obtain certification.

Please mail the completed application with attached certification letter to the address shown on page 1 of this application.

BellSouth Intralata Long Distance Reduced Rates for End Users with Disabilities

BellSouth offers reduced long distance rates for calls from an approved telephone line for end users with disabilities. End Users with an Impairment of Hearing or an Impairment of Speech may qualify for the exemption. (N)

When an OLEC end user wishes to apply for reduced BellSouth long distance rates, the OLEC should provide the end user with the application included in this section. If an end user already has a disability exemption for reduced long distance rates and switches to another local service provider, a new application must be completed.

The end user should return the application to the OLEC. After review by the OLEC to insure the application is complete, the application, along with proof of the disability, must be mailed to the BellSouth Telecommunications Center for Customers with Disabilities (TCCD). **The TCCD does not accept Local Service Requests. Only applications for reduced rates or special equipment inquiries or orders after local service is established are accepted.**

The completed application and appropriate documentation from the end user, should be **mailed** to:

Telecommunications Center for Customers with Disabilities
BellSouth - 18th Floor
600 North 19th Street
Birmingham, Alabama 35203

The reduced rates for BellSouth long distance calls (described in the application) will be effective within 24 hours after receipt of complete documentation from the OLEC. No credits for calls or charges prior to receipt of the application (including calls or charges not yet billed) will be given.

Reduced Rates for End Users with Disabilities (continued) (N)

The application for reduced rates automatically expires in two (2) years for a residential line and in one (1) year for a business line. In order for the end user reduced rates to continue uninterrupted, a renewal request must be received in the TCCD **prior** to the expiration date.

The end user must contact their interlata long distance carrier for information concerning reduced rates for their service.

OLECs may call the following numbers for voice calls with questions about the reduced rates application. OLEC end users should not be referred to these numbers.

Alabama, Kentucky, Louisiana, Mississippi, Tennessee	557-6253
Florida, Georgia, North Carolina, South Carolina	780-2273
Non-BellSouth territory or outside the Region	800-982-2891

These numbers can also the called for information about special equipment available through the TCCD for end users with disabilities or to place equipment orders.

Application For Reduction In BellSouth Long Distance Charges

How To Apply For A Reduction In Charges

Persons whose hearing or speech impairment requires their use of a teletypewriter or telecommunications device for the deaf for telephone communications are eligible for reduced long distance rates.

Those qualifying for reduction are: a) persons with hearing impairment as defined on the last page of this application; or b) persons with severe speech impairment as defined on the last page of this application. Reductions will be provided where the telephone is in the disabled person's name, or in the name of a member of his or her household.

The long distance reduced rates which may apply are:

Long Distance dial station-to-station (DDD) day or evening calls originated from a designated residence telephone associated with a Portable Communications Terminal or TDD/TTY. The reductions are as follows:

- a DDD call made in the day rate period will be billed at the evening DDD rate;
- a DDD call made in the evening rate period will be billed at the night DDD rate

Please print clearly or type the application according to the following instructions.

a Give your name and address.

b Fill in the name and address of the customer to whom the telephone is billed.

c Fill in the 10-digit telephone number.

d Provide the manufacturer's name, model number and serial number of the TDD/TTY device. The manufacturer's name should be on the face of the TDD/TTY equipment, the model and serial numbers generally are on the back. Check with your supplier if you can't locate these numbers.

e After completing sections a, b, c and d, please provide acceptable certification in item 7. This certification must be either one of the following:

- Signature of a physician, otolaryngologist, or licensed speech-language pathologist or audiologist, or of the authorized representative of a social agency that conducts programs for the hearing or speech impaired in cooperation with an official agency of your state.
  OR
- As an alternative, you may submit a previous certification establishing the impairment of your hearing or speech, such as those which quality you for social security benefits on the basis of total hearing impairment or for use of facilities of an agency for the hearing or speech impaired.

In either case, be certain to complete item 9. Then sign and date the application.

f Mail the completed form to:

Insert appropriate OLEC address

Insert OLEC Information

Application For Reduction In BellSouth Long Distance Charges

a 1. Name of the person applying for reduction 2. Address	First Initial Last Street City State and ZIP Code
b 3. Name of the customer to whom telephone is billed 4. Billing address (if different from 2)	First Initial Last Street City State and ZIP Code
c 5. Telephone Number	Area Code Telephone Number
d 6. List the manufacturer's name, model number, and serial number of the TDD or TTY device.	
e 7. Signature of authorized agency representative or physician, otolaryngologist or licensed speech-language pathologist or audiologist **OR** 8. Check box and provide copy of previously obtained certification 9. Name and address of authorized agency or person making certification	I certify that the applicant has impairment of hearing or severe speech impairment, on the basis of the procedure shown on page 3 of this application, and qualifies for reduction in charges for TDD/TTY communications. ☐

Signature of person applying for reduction (or if signature of person signing for applicant, please indicate relationship).

Signature Date

Relationship

Application For Reduction In BellSouth Long Distance Charges

Impairment of Hearing

The American Academy of Otolaryngology (A.A.O.) has developed the following procedure for measuring and calculating the percentage impairment of hearing.

1. Using an audiometer that is calibrated according to American National Standard Specifications for Audiometer, S3.6--1969, readings are made on the "hearing threshold level dial" to determine the hearing level for pure tones of the frequencies of 500, 1000, 2000 and 3,000 Hz.
2. These readings show the number of decibels (dB) that the listener's threshold of hearing lies above the standard audiometric zero for each frequency.
3. The hearing level for speech is the average of the audio-metric measurements made at the four frequencies, computed separately for each ear.
4. Under the criteria used by the A.A.O., 60 per cent impairment is reached when the average hearing level for pure tones in the better ear is 65 dB.
5. Where the average level is higher than 65 dB, the hearing impairment exceeds 60 per cent.

In addition, certain individuals may have less than 60 per cent impairment for pure tones, but have poor speech discrimination. Written confirmation from an audiologist or an otolaryngologist certifying that an individual's speech discrimination precludes normal use of the telephone will also be accepted by the company as qualification for discounts.

Impairment of Speech

The American Medical Association's Committee on Rating of Mental and Physical Impairment recommends the following procedure for evaluating speech impairment as to three categories: audibility, intelligibility, and functional efficiency. *

Judgments of speech impairment should be based on direct observation of the person's speech and on reports of the person's performance in situations of everyday living. Following is a summary of the recommended standardized procedure for evaluation:

1. Place the person approximately eight feet from the examiner in a "reasonably quiet" environment.
2. Interview the person to permit observation of speech in ordinary conversation.
3. Observe the person's speech in reading aloud a simple prose paragraph.
4. The examiner should record his or her judgment of the person's speech capacity in the three categories with reference to the following classifications (65 to 85 per cent of impairment, according to the AMA Committee's guidelines):
   - Audibility - Can produce speech of intensity sufficient for a FEW of the needs of everyday speech communications; can barely be heard by a close listener...able to whisper audibly, but has no voice.
   - Intelligibility - Can perform a FEW of the necessary articulatory acts for everyday speech communications; can produce some phonetic units...however, unintelligible out of context.
   - Functional Efficiency - Can meet a FEW of the demands of articulation and phonation for everyday speech communication...such as single words or short phrases...speech is labored; rate is impractically slow.
5. The degree of impairment of speech function is equivalent to the greatest percentage of impairment as recorded for any one of the three categories.

* See "Guides to the Evaluation of Permanent Impairment", 109-111, American Medical Association, 1971.

Service Provider Change Notification

Upon receipt of a service request 1) from an end user to switch service from an OLEC to BellSouth or 2) from an OLEC to switch an end user from another OLEC, BellSouth will issue orders to accommodate the request. The current service provider will not be contacted for authorization. BellSouth, per the blanket LOA agreement, will assume that the initiating OLEC has an end user authorization letter on file. BellSouth will mail (next business day after order completion) a notification (following page) to the former OLEC.

SERVICE PROVIDER CHANGE NOTIFICATION

SAMPLE LETTER

Notice To: OLEC Name
OLEC Address

Date: _____

We have received notification that the telephone account (NPA-NXX-XXXX) for (Customer Name) should be transferred to another OLEC. Consequently, effective on (due date of service order), the account for this customer has been transferred to the desired service provider.

Unauthorized Service Provider Change Notification

When notified that a customer has been switched to a new local service provider without authorization, BellSouth will return the customer to the desired local service provider. The 'from' (unauthorized) local service provider will be billed for the unrequested change. A notification letter (following page) will be mailed to the unauthorized OLEC.

UNAUTHORIZED CHANGE NOTIFICATION

SAMPLE LETTER

Notice To: OLEC Name
OLEC Address

Date: _____

We have received notification that the telephone account (NPA-NXX-XXXX) for (Customer Name) was transferred to you in error. Consequently, effective on (due date of service order), the account for this customer has been re-established with the desired service provider.

SERVICE RESTRICTIONS

This section is not intended to be, nor does it constitute, an all inclusive list of service restrictions. The state tariffs, and OLEC-specific contracts, are the ultimate source of service/feature availability.

Calling Card

BellSouth will not offer line based (where the calling card number is a BellSouth telephone number) calling cards on OLEC accounts. If an end user switches from BellSouth to an OLEC, existing line based calling cards will be disabled/discontinued.

LIDB

Without specific contracts between an OLEC and BellSouth, telephone numbers assigned by BellSouth for OLEC end users will not be entered into BellSouth's LIDB (Line Information DataBase). The absence from LIDB may prevent receipt of collect and third number toll calls.

However, there is no guarantee of blocking because some toll providers will pass toll calls even though the telephone number is not found in LIDB. If the OLEC wants to ensure that collect and third number tolls will be either processed or blocked, the OLEC should execute a LIDB storage agreement with BellSouth, which will enable BellSouth to place the appropriate blocking entries therein. There is no charge for the LIDB storage agreement.

"Grandfathered Services"

"Grandfathered" (or obsoleted) services/features are those which have been removed from the applicable tariffs, but were allowed to remain in service with the subscribed end users. These services will not be available to an OLEC end user, and will be disabled/removed if a currently subscribed end user switches to an OLEC.

Note: When an OLEC requests a "Switch as is" transfer of service from BellSouth, a grandfathered inside wire maintenance plan will be automatically replaced with the most comparable available maintenance plan. If no inside wiring plan is desired, the OLEC should request a disconnect of the existing plan on the LSR (Local Service Request).

RESELLER BILLING

Bill Description

CLUB (Customized Large User Bill) Summary Bill is the recommended format for Reseller billing. The CLUB Summary process will generate a consolidated bill in each billing period (20) for the Reseller's customers in that billing period. The CLUB bill will consolidate all the Reseller's customers' charges at a master account level. Complete end user billing detail is provided in the CLUB Summary Bill.

Electronic receipt (EDI, Magnetic Tape Billing, etc.) of the CLUB Summary Bill is recommended. A paper bill is also available.

Electronic payment processes are also available and recommended.

Billing Requests

Requests for the establishment of CLUB Summary Billing should be directed to the LCSC. The Enhanced Billing Services (EBS) work group will support the preparation of the Enhanced Billing Services Request Form and the establishment of the CLUB Summary Billing account. The EBS office can be reached through the LCSC.

End User Billing Arrangements

Existing end user billing arrangements (i.e., CLUB billing) will be discontinued if the end user switches from BellSouth to an OLEC.

TARIFFS

Tariff Resources Copies of tariffs may be purchased through outside Tariff Advisory Services. Listed below are the tariff advisories currently contracting with BellSouth.

Connie Wightman
Technologies Management, Inc.
P.O. Drawer 200, or
163 E. Morse Boulevard, Suite 300
Winter Park, FL 32780-0200
Telephone: (407) 740-8575

Brian Lem
CCMI/UGG
11300 Rockville Pike
Suite 1100
Rockville, MD 20852-3030
Telephone: (301) 816-8950

William Goddard
Telecommunications Information Services
280 North Providence Road
Media, PA 19063
Telephone: (215) 891-6857

Janice Fromer
Tele-Tech Services
P.O. Box 757
McAfee, NH 07428
Telephone: (201) 827-4421

International Transcription Service (ITS)
Room 140
21 M Street, NW
Washington, DC 20037
Telephone: (202) 857-3800

Misty Mason
Valucom, Inc.
415 Church Street, NE, Suite 204
Vienna, VA 22180
Telephone: (703) 255-0700

Ken Shafer
Communications Image
Technologies, Inc.
2222 Gallows Road, Suite 160
Dunn Loring, VA 22027
Telephone: (703) 698-7050

Maureen Osorno
Product Manager Tariff Services
Room 2B41
100 South Jefferson Road
Whippany, NJ 07981

Public Reference Room
In the FCC
Room 514
1119 M. Street, NW
Washington, DC 20554

OPTIONAL SERVICES

Instructions for the following service features are included in this section:

Anonymous Call Rejection
Call Block
Call Forwarding
Call Return
Call Selector
Call Tracing
Call Waiting
Caller ID - Number Delivery
Caller ID Deluxe - Name and Number Delivery
Per-Line Blocking
Preferred Call Forwarding
Repeat Dialing
RingMaster® I and II Service
Speed Calling 8
Speed Calling 30
Three-Way Calling

ANONYMOUS CALL REJECTION

Anonymous Call Rejection allows you to automatically reject calls from callers who have a privacy feature (Calling Number Delivery Blocking-Permanent or Per Call). The privacy feature will prevent their number from being displayed when they call you. When you activate Anonymous Call Rejection, you will not know when calls are being rejected. Your callers, which are being rejected, will hear announcement similar to the one following:

> **Your call has been properly delivered, but the party you are trying to reach is not accepting calls from callers who do not allow delivery of their telephone number. *Please hang up, do not* block the delivery of your number, and call again.**

Anonymous Call Rejection must be activated on your line before private calls will be rejected.

To activate:
1. Lift handset and listen for dial tone
2. Press *77 (for rotary or dial pulse telephones, press 1177). You will hear two short confirmation tones.

To deactivate:
1. Lift handset and listen for dial tone
2. Press *87 (for rotary or dial pulse telephones, press 1187). You will hear an announcement confirming deactivation.

*Note: If you have Prestige®Communications Service, press *58 to activate and Press *68 to deactivate.*
(for rotary or dial pulse telephones, press 1158 to activate or 1168 to deactivate)

NOTES ON ANONYMOUS CALL REJECTION

If you activate **Anonymous Call Rejection and Call Forwarding** at the same time and receive a call from someone with a privacy feature, the caller will be routed to the Anonymous Call Rejection announcement.

If you **Call Forward** your calls to someone who has activated their **Anonymous Call Rejection** feature and your Anonymous Call Rejection feature is deactivated, your caller will be routed to the forwarded party's Anonymous Call Rejection announcement.

If you have **Call Waiting** and **Anonymous Call Rejection** activated, you will not receive the Call Waiting tone when callers with a privacy feature call you. The caller will be routed to the Anonymous Call Rejection announcement.

If you have **Caller ID** and you activate your **Anonymous Call Rejection** feature, calls from someone with a privacy feature will not appear in your display unit, but will be routed to the Anonymous Call Rejection announcement.

If you have **Call Selector and Anonymous Call Rejection** activated, and receive a call from someone with a privacy feature who is on your Call Selector list, you will bear distinctive ringing.

If you receive a call from someone with a privacy feature who is on your **Preferred Call Forwarding** list, they will be forwarded to the remote location. If the remote location has **Anonymous Call Rejection** activated, the caller will be routed to the Anonymous Call Rejection announcement.

CALL BLOCK

Call Block prevents the last person who called you from reaching you again (from the same calling number). It also rejects phone numbers you put on your Call Block service. You may have up to six phone numbers on your Call Block list. You need not fill the complete six number list in order to use the service. You will also receive recorded instructions when using Call Block; however, you may dial during these instructions for faster service.

HOW TO USE CALL BLOCK

FUNCTION DESIRED	TOUCH-TONE	ROTARY or DIAL PULSE
To Access the Service	Press * 60 - Listen for Instructions	Dial 1160 - Listen for Instructions
To Turn On/Off Service	Press 3 - Listen for Instructions	Dial 3 - Listen for Instructions
To Add a Number To Your List *First, Access Service*	Press #, Dial Number, Press #	Dial 12, Dial Number
To Add the Last Calling Number To Your List (Number Unknown) *First, Access Service*	Press #, Dial 01, Press # *Numbers added to list by this method may be termed "private" when the list is reviewed.*	Dial 12, Dial 01 *Numbers added to list by this method may be termed "private" when the list is reviewed.*
To Hear the Numbers on Your List *First, Access Service*	Dial 1 Dial 07 immediately after hearing a # to remove that # from your list.	Dial 1 Dial 07 immediately after hearing a # to remove that # from your list.
To Remove a Number From Your List *First, Access Service*	Press *, Dial the #, Press *	Dial 11, Dial the #
To Remove all List Entries *First, Access Service*	Dial 08, then *	Dial 08
To Remove Only Private Entries *First, Access Service*	Dial 09, then *	Dial 09
To Save List Unchanged *First, Access Service*	Hang Up	Hang Up
To Hear Instructions Repeated	Dial 0	Dial 0

NOTES ON CALL BLOCK

If:	Then:
One of the numbers is on your Call Selector or Preferred Call Forwarding lists	Call Block will override the others
You put a number on your Call Block list	Callers from that # will be told that Call Block has been activated and calls from their # will not be accepted.
You hear an announcement the # cannot be put on your list	You tried to enter an invalid or non-working #, or You tried to enter a # outside the TouchStar service area, or You tried to enter your own #

The Call Block list must contain the Main Telephone Number if the caller being blocked subscribes to RingMaster®.

CALL FORWARDING

Call Forwarding automatically transfers your incoming calls to whatever number you specify. When you use **Call Forwarding,** you can continue to make outgoing calls from your own phone line. **Call Forwarding** will stay in effect until you cancel it.

HOW TO USE CALL FORWARDING

1. **Listen For A Dial Tone.**
2. **Dial 72# With touch-tone** service telephones (72 with rotary or dial pulse telephones).
3. **Listen For A Second Dial Tone,** and dial the number you want your calls forwarded to. (If you have Speed Calling, dial the Speed Calling code.)
4. **Listen For Ringing.** Inform the party who answers that you are forwarding your calls. **Call Forwarding** is now established.

If you get a busy signal or no answer, **Call Forwarding** can still be established by repeating Steps 1-4, and no answer is necessary. (In some areas, after you repeat Steps 1-4, you will hear three short tones followed by a steady dial tone.)

NOTES:

- *To verify the status of Call Forwarding, dial 72# with touch-tone service telephones (72 with rotary or dial pulse telephones). If you hear a fast busy signal, your calls are being forwarded.*
- *There will be a short ring on your phone when a call is being forwarded, but these calls cannot be answered from your telephone.*
- *Don't forget to tell the person who will receive your calls that you are establishing Call Forwarding. This is especially important if you will not be at that location to receive the calls.*
- *Inform others using your phone that no incoming calls can be received while Call Forwarding is in effect.*
- *If you forward calls to any number outside your local calling area, you will be charged for any calls forwarded from your number to the distant number.*

HOW TO END CALL FORWARDING:

1. **Dial 73# With touch-tone** service telephones (73 with rotary or dial pulse telephones).
2. **Listen For Three Short Tones** followed by a steady dial tone.

NOTES:

- *To verify deactivation of Call Forwarding, dial 73# with touch-tone service telephones (73 with rotary or dial pulse telephones). Three short tones followed by a steady dial tone confirms deactivation.*
- *Remember, Call Forwarding will remain in effect until you cancel it.*

CALL RETURN

Call Return automatically calls back the last number that called you, whether or not you answered the phone.

To use:
1. LISTEN FOR DIAL TONE
2. PRESS ***69** (1169 for rotary or dial pulse telephones) *In some areas after pressing *69 or 1169, you will hear the number, date and time of the last call received. If you want to return the call press* 1. *If you do not want to return the call, hang up.*
3. IF THE LINE IS:
   NOT BUSY ___listen for normal ringing.
   BUSY____listen for announcement, hang up, you will hear a special ring when the line is free.

To cancel the special ring:
1. **PRESS *89** (1189 for rotary or dial pulse telephones), then listen for announcement. *If you subscribe to Prestige® Communications Service or Prestige® Single Line service your code to cancel is *59.*

NOTES ON CALL RETURN

When the line is busy:
- **Call Return** will automatically attempt to place the call every minute for half an hour.
- When the line becomes free you will hear a special ring (short-short-long ring cycle).
- Pick up the receiver and the number you were calling will ring.
- If you don't pick up, in most areas, the special ring will be repeated every 5 minutes for the remainder of the half hour, provided the line remains free.

You may place and receive calls while **Call Return** is trying to reach a busy number.

Call Return is capable of monitoring more than one busy phone number at a time. Your phone will signal you with a special ring when one of these numbers becomes available; however, you will not be able to tell which of the numbers it is. If you wish, you may cancel the special ring, but this cancels all of the numbers which are monitored.

If you use **Call Return** to a long distance number, you will be billed for a long distance charge.

If you hear a recorded announcement that the call cannot be completed or a fast busy signal, it will be for one of these reasons:
- The number you are trying to call back is not in the **TOUCHSTAR® service** serving area.
- The **TOUCHSTAR** service is temporarily overloaded and cannot complete the call. Please try again.
- The number you're trying to call back has activated **Call Forwarding** service.

If you activate **Call Return** to a line that has **RingMaster® service,** the call will always return to the Main Telephone Number.

When you use **Call Return** with **RingMaster® service,** you will have four ringing patterns to consider:

Main service Telephone Number	One long ring
First **RingMaster®** Telephone Number	Two short rings
Second **RingMaster®** Telephone Number	Short, long, short ring
Call Return/Repeat Dialing	Short, short, long ring

CALL SELECTOR

Call Selector lets you know when calls are coming from particular telephone numbers. With **Call Selector,** you make a list of these phone number(s), then your phone will signal you with a special ring (short-long-short ring cycle) when someone from your list is calling. You begin by making your list of "selected" numbers after accessing your **Call Selector** service. You may have up to six phone numbers on your **Call Selector** list. You need not fill a list in order to use the service. You will also receive recorded instructions when using **Call Selector;** however, you may dial during these instructions for faster service.

HOW TO USE CALL SELECTOR

FUNCTION DESIRED	TOUCH-TONE	ROTARY or DIAL PULSE
To Access the Service	Press * 61 - Listen for Instructions	Dial 1161- Listen for Instructions
To Turn On/Off Service	Press 3 - Listen for Instructions	Dial 3 - Listen for Instructions
To Add a Number To Your List *First, Access Service*	Press #, Dial Number, Press #	Dial 12, Dial Number
To Add the Last Calling Number To Your List (Number Unknown) *First, Access Service*	Press #, Dial 01, Press # *Numbers added to list by this method may be termed "private" when the list is reviewed.*	Dial 12, Dial 01 *Numbers added to list by this method may be termed "private" when the list is reviewed.*
To Hear the Numbers on Your List *First, Access Service*	Dial 1 Dial 07 immediately after hearing a # to remove that # from your list.	Dial 1 Dial 07 immediately after hearing a # to remove that # from your list.
To Remove a Number From Your List *First, Access Service*	Press *, Dial the #, Press *	Dial 11, Dial the #
To Remove all List Entries *First, Access Service*	Dial 08, then *	Dial 08
To Remove Only Private Entries *First, Access Service*	Dial 09, then *	Dial 09
To Save List Unchanged *First, Access Service*	Hang Up	Hang Up
To Hear Instructions Repeated	Dial 0	Dial 0

NOTES ON CALL SELECTOR

If:	Then:
You also subscribe to Call Waiting	Incoming calls from your list will have a special tone (3 beeps)
One of your selected numbers is on your Call Block list	You must turn off Call Block before using Call Selector for that number
You hear an announcement the # cannot be put on your list	You tried to enter an invalid or non-working #, or You tried to enter a # outside the TouchStar service area, or You tried to enter your own #

Numbers on your Call Selector list provide a distinctive ring. All numbers on the Call Selector list have the same distinctive ring. It is not a separate ring for each number.

Call Selector shares the same ringing pattern with RingMaster® service for a second additional telephone number (a short-long-short ring).

CALL TRACING

Call Tracing enables you to initiate an automatic trace of the last call you received. The BellSouth Annoyance Call Center will automatically receive a message containing the phone number where the abusive call originated, if it is from within the TouchStar serving area, plus the time and date of when the abusive call was placed. **It is necessary, however, for you to call the BellSouth Annoyance Call Center and report the date and time of the calls you desire to be investigated.** You should call before the end of the next business day.

To use:

1. HANG UP after receiving the abusive call
2. LISTEN FOR DIAL TONE
3. PRESS *57 (1157 for rotary or dial pulse telephones), then listen for announcement.

NOTES

- It is essential that the **Call Tracing** action, pressing *57 (or 1157) be done immediately after you hang up the phone following the abusive call. If you delay taking action and receive a subsequent incoming call, **Call Tracing** will not trace the correct number.
- In the event that Call Waiting tone is received during a call that is to be traced, tracing will occur on the Call Waiting number and not the current calling number.
- The telephone company Annoyance Call Center must have two confirmed traces of the same number in order to take further action. Therefore, it is important to activate **Call Tracing** each time an abusive call is received.
- After having a call traced by pressing *57, it is necessary for you to contact the telephone company Annoyance Call Center in y our state. Use the number for your state. These are toll-free calls.

State	Annoyance Call Center
Alabama, Kentucky, Louisiana, Mississippi, Tennessee	557-6222 - Central Time: 7:30 AM - 5:30 PM
Florida, Georgia, North Carolina, South Carolina	780-2969 - Eastern Time: 7:30 AM - 5:30 PM

- When calling the telephone company Annoyance Call Center in your state, identify yourself as a **TOUCHSTAR® service Call Tracing** customer. You must give the Annoyance Call Center the time and date of the abusive call.
- In the case of emergency, contact your local law enforcement agency.
- When you use **Call Tracing,** you will not be given the phone number you are tracing or the person's name. Should you desire to seek legal action, the person's number and name will be provided to law enforcement authorities.
- After two confirmed traces of the same number, the Annoyance Call Center will send a deterrent letter to the address of the phone number where the abusive call originated. If the problem persists, contact the Annoyance Call Center for further assistance.

CALL WAITING

Call Waiting lets you answer a second call while talking to the first caller. You can change back and forth between two calls and maintain privacy on both. In some areas, to avoid being interrupted by a second call, you can temporarily control **Call Waiting** before you make a call. Also, in some areas, **Call Waiting** can be controlled temporarily while you are in the middle of a call, if you are also a subscriber to Three Way Calling.

HOW TO USE CALL WAITING:

1. **A Short Tone** will sound to alert you to a second call. If you don't respond, another tone will sound 10 seconds later. You can either respond (proceed to Step 2), or ignore the tones until the second caller hangs up.
2. **Tell The Person You Are Talking To** that another call is coming in. You can either put the first call on hold by depressing the switchhook, or else hang up to end the first call.
3. **Depress The Switchhook** for a second to put the first caller on hold and answer the second call.
4. **You Can Alternate Between First And Second Callers** by depressing the switchhook for a second. Each conversation is private. *If a third caller tries to reach you while someone is already on hold, you will not hear a tone. The third caller will simply get a busy signal.*

HOW TO END CALL WAITING

1. **End One Conversation** by waiting for the caller to hang up. You will be automatically and immediately reconnected to your other call.
2. **End Both Conversations** by hanging up your phone. *In some areas, if you hang up while someone is still on hold, your phone will ring. You must answer the ring before you can disconnect from the call holding.*

HOW TO TEMPORARILY CONTROL CALL WAITING PRIOR TO MAKING A CALL (where available):

1. **Listen For Dial Tone**
2. **Dial *70 With touch-tone** service telephones (1170 with rotary or dial pulse telephones).
3. **Listen For Three Short Tones followed by a steady dial tone.**
4. **Dial The Number you wish to reach.**

HOW TO TEMPORARILY CONTROL CALL WAITING WHILE A CALL IS IN PROGRESS (where available):

1. **Depress The Switchhook** for a second to put your call in progress on hold.
2. **Listen For Three Short Tones** followed by a steady dial tone.
3. **Dial *70 With touch-tone** service telephones (1170 with rotary or dial pulse telephones). You will hear three short tones followed by steady dial tone.
4. **Depress The Switchhook** for a second to return to call holding.

NOTE: *You cannot control Call Waiting while a call is in progress and a third caller is attempting to reach you. After a Control Call Waiting conversation is ended, the Call Waiting feature will automatically reactivate.*

CALLER ID - NUMBER DELIVERY

Caller ID enables you to identify the telephone number from which an incoming call was placed before you answer the phone. The calling number will be displayed on a specially designed display unit. This display unit is purchased separately from the **Caller ID** service that you ordered from your telephone company. Unless you have such a display, your **Caller ID** service will not display the calling number.

After your **Caller ID** display unit has been properly connected (see the installation instructions provided with your unit), and your **Caller ID** service has been connected by your telephone company, the calling telephone number for each incoming call will be displayed between the first and second ring of your telephone. After the calling number has been displayed, you may choose to answer your phone in the normal manner, note the number and return the call later or ignore the call completely.

Caller ID service works only on directly dialed calls between phone lines that have the service capability, and only between central offices that can transmit **Caller ID** information. There may be times when your display unit displays various messages or symbols in addition to, or in place of, the calling number. For an explanation of those messages or symbols, please see the owner's manual that was provided with your unit.

The telephone number is only displayed while the receiver is on hook; therefore, **Caller ID** will not work simultaneously with Call Waiting.

CALLER ID DELUXE - NAME AND NUMBER DELIVERY

Caller ID Deluxe enables you to identify the calling name and telephone number from which an incoming call was placed before you answer the phone. The calling name and number are displayed on a specially designed display unit. This display unit is purchased separately from the **Caller ID Deluxe** service. Unless you have such a display unit your **Caller ID Deluxe** service will not display the calling name and number.

After your **Caller ID Deluxe** display unit has been properly connected (see the installation instructions provided with your unit), and your **Caller ID Deluxe** service has been connected by your telephone company, the calling name and telephone number for each incoming call will be displayed between the first and second ring of your telephone. After the calling name and number have been displayed, you may choose to answer your phone in the normal manner, note the name and number and return the call later or ignore the call completely.

Caller ID Deluxe service works only on directly dialed calls between phone lines that have the service capability, and only between central offices that can transmit **Caller ID Deluxe** information. There may be times when your display unit displays various messages or symbols in addition to, or in place of, the calling name and number. For an explanation of those messages or symbols please see the owner's manual that was provided with your unit. Public and semi-public telephones will display "payphone", but business owned payphones may display the name of the business. For new telephone numbers, the number will be displayed but the name will not be displayed, since the name is not yet in the BellSouth database.

The telephone number is only displayed while the received is on hook; therefore, **Caller ID Deluxe** will not work simultaneously with Call Waiting.

PER LINE BLOCKING

When **Per Line Blocking** is assigned to your telephone line, it prevents your name and telephone number from being displayed on the Caller ID display unit of the person you are calling. With **Per-Line Blocking** assigned, your line is given a "private" status. You can turn off your **Per-Line Blocking** on an individual call basis by pressing *82 before making your call. This will change your line from "private" to "public".

IMPACTS:

- Some customers do not accept calls from callers who do not allow delivery of their telephone number. If you call one of these customers, you will hear an announcement with a message similar to the following:

  "Your call has been properly delivered, but the party you are trying to reach is not accepting calls from callers who do not allow delivery of their telephone number. Please hang up, do not block the delivery of your number, and call again."

Because this is considered a "completed" call, you may incur long distance or toll charges depending upon how this call would normally be billed.

In order to reach this party, you can dial the **Unblock code *82** (1182 for rotary or dial pulse telephones) which will then allow your call to be completed and your telephone number to be delivered to the called party for just this one call. After your call is completed, your **Per-Line Blocking** feature is once again in operation, blocking delivery of your telephone number to those you call.

- If you subscribe to a voice mail service, like Memory Call® service, Per-Line Blocking may interfere with how this service works. Per-Line Blocking, may block the delivery of your number to the voice mail system. When you call to check your messages or your callers are forwarded to your mailbox, the voice mail system may not be able to identify your number. You and your callers may be required to re-enter your telephone number.

NOTES:

You do not need to subscribe to **Per-Line Blocking** in order to prevent your name and telephone number from being displayed on the Caller ID unit of the person you are calling. Your line is already equipped with Per-Call Blocking, Free-of-Charge. **Per-Call Blocking** allows callers to block the delivery of their telephone number on an individual call basis by pressing *67 (1167 for rotary or dial pulse telephones) prior to making a call. This will change their line from "public" to "private", which will block their number from being displayed for that call only. Since you already have **Per-Line Blocking** assigned to your telephone line, pressing *67 (1167 for rotary or dial pulse telephones) prior to making a call will have **NO** affect.

PREFERRED CALL FORWARDING

Preferred Call Forwarding enables you to select another telephone number where calls are to be forwarded, and then limits the forwarded calls to just the numbers on your selected list. After accessing your **Preferred Call Forwarding** service, make your list of up to six numbers. Six numbers are not required to use the service. You will receive recorded instructions when using **Preferred Call Forwarding;** however, you may dial during these instructions for faster service.

HOW TO USE PREFERRED CALL FORWARDING

FUNCTION DESIRED	TOUCH-TONE	ROTARY or DIAL PULSE
To Access the Service *After accessing, you must either enter or confirm the number you want your calls forwarded to.*	Press * 63 - Listen for Instructions	Dial 1163 - Listen for Instructions
To Turn On/Off Service	Press 3 - Listen for Instructions	Dial 3 - Listen for Instructions
To Add a Number To Your List *First, Access Service*	Press #, Dial Number, Press #	Dial 12, Dial Number
To Add the Last Calling Number To Your List *First, Access Service*	Press #, Dial 01, Press # *Numbers added to list by this method may be termed "private" when the list is reviewed.*	Dial 12, Dial 01 *Numbers added to list by this method may be termed "private" when the list is reviewed.*
To Hear the Numbers on Your List *First, Access Service*	Dial 1 Dial 07 immediately after hearing a # to remove a # from your list.	Dial 1 Dial 07 immediately after hearing a # to remove a # from your list.
To Remove a Number From Your List *First, Access Service*	Press *, Dial the #, Press *	Dial 11, Dial the #
To Remove all List Entries *First, Access Service*	Dial 08, then *	Dial 08
To Remove Only Private Entries *First, Access Service*	Dial 09, then *	Dial 09
To Save List Unchanged *First, Access Service*	Hang Up	Hang Up
To Hear Instructions Repeated	Dial 0	Dial 0

NOTES ON PREFERRED CALL FORWARDING

If:	Then:
One of the numbers is on your Call Block List	You must turn off Call Block before using Preferred Call Forwarding for that Number
You forward calls outside your local calling area	You will be charged for any calls forwarded from your number to the distant number.
You hear an announcement the # cannot be put on your list	You tried to enter an invalid or non-working #, or You tried to enter a # outside the TouchStar service area, or You tried to enter your own #

When RingMaster® service is ordered, the customer chooses whether to forward all telephone numbers or just the Main Telephone Number. The Preferred Call Forwarding list must contain the Main Telephone Number if the calling party subscribes to RingMaster®. If one of the additional RingMaster® numbers is placed on the Preferred Call Forwarding list, the calls will not be forwarded unless the Main Telephone Number is also on the Preferred Call Forwarding list. If a telephone number on the Preferred Call Forwarding list calls the Main Telephone Number, it will be forwarded. If a telephone number on the Preferred Call Forwarding list calls one of the Additional Telephone Numbers, it will be forwarded unless the customer has chosen to forward the Main Telephone Number when the RingMaster® was ordered.

REPEAT DIALING

Repeat Dialing automatically redials the last number you dialed. If the line is busy, **Repeat Dialing** will keep trying until the line is free, then signal you. You can use **Repeat Dialing** for more than one busy number at a time. During this time you may place and receive other calls.

To use:
1. LISTEN FOR DIAL TONE
2. PRESS *66 (1166 for rotary or dial pulse telephone)
3. IF THE LINE IS:
   NOT BUSY ____listen for normal ringing.
   BUSY____listen for announcement, hang up, you will hear a special ring when the line is free.

To cancel:
1. PRESS *86 (1186 for rotary or dial pulse telephones), then listen for announcement. *If you subscribe to Prestige® Communications Service or Prestige® Single Line service your code to cancel is *56.*

NOTES ON REPEAT DIALING

When the line is busy:
- **Repeat Dialing** will automatically attempt to place the call every minute for half an hour.
- When the line becomes free you will hear a special ring (short-short-long ring cycle).
- Pick up the receiver and the number you were calling will ring.
- If you don't pick up, in most areas, the special ring will be repeated every 5 minutes for the remainder of the half hour, provided the line remains free.

You may place and receive calls while **Repeat Dialing** is trying to reach a busy number.

Repeat Dialing is capable of monitoring more than one busy phone number at a time. Your phone will signal you with a special ring when one of these numbers becomes available; however, you will not be able to tell which of the numbers it is. If you wish, you may cancel the special ring, but this cancels all of the numbers which are monitored.

If you use **Repeat Dialing** to a long distance number, you will be billed for a long distance charge.

If you hear a recorded announcement that the call cannot be completed or a fast busy signal, it will be for one of these reasons:
- The number you are trying to call back is not in the **TOUCHSTAR® service** serving area.
- The **TOUCHSTAR** service is temporarily overloaded and cannot complete the call. Please try again.
- The number you're trying to call back has activated **Call Forwarding** service.

If you have both **RingMaster® service** and **TOUCHSTAR service** and you place a call to a number that is busy or doesn't answer and activate **Repeat Dialing,** the call will be returned to the Main Telephone Number with short, short, long ring pattern.

When you use **Repeat Dialing** with **RingMaster® service,** you will have four ringing patterns to consider.

Main service Telephone Number	One long ring
First **RingMaster®** Telephone Number	Two short rings
Second **RingMaster®** Telephone Number	Short, long, short ring
Call Return/Repeat Dialing	Short, short, long ring

RINGMASTER® I SERVICE

RingMaster® I service allows you to have up to two telephone numbers on the same line. Although you can have up to three telephone numbers, you have just one line and only one conversation can be held at a time. You will receive a DISTINCTIVE RINGING pattern for each telephone number. This lets you know who a call is for *before* you answer your telephone. You can also identify who a call is *from* by providing your additional telephone numbers only to specific parties such as:

- business associates (for business calls received at home)
- friends/relatives
- children's friends

If you have CALL WAITING, you will also receive DISTINCTIVE CALL WAITING TONES. You can better determine whether or not to interrupt your current conversation and answer the waiting call.

Listed below are your telephone numbers along with their DISTINCTIVE RINGING and DISTINCTIVE CALL WAITING TONE patterns:

1. _____
(Main Telephone Number)

RINGING	TONE (if you have CALL WAITING)
[redacted]	[redacted]
One long ring (Normal ring)	One long tone (Normal Call Waiting Tone)

2. _____
(Additional Telephone Number)

RINGING	TONE (if you have CALL WAITING)
[redacted]	[redacted]
Two short rings	Two short tones

If you subscribe to CALL WAITING and CALL FORWARDING, you will receive additional benefits from these services when used in conjunction with RingMaster® service. It is only necessary to subscribe to CALL WAITING and CALL FORWARDING *once for the services to be available on all of your RingMaster® service* telephone numbers.

With RingMaster® service, CALL FORWARDING can operate in one of two arrangements. You choose which arrangement *you want at the time you establish RingMaster® service* (if you also have CALL FORWARDING). To change from one arrangement to the other, you must contact your local Telephone Company Business Office. A service order charge will be incurred for subsequent changes.

FORWARD ALL TELEPHONE NUMBERS
All telephone numbers are forwarded when CALL FORWARDING is activated. With this arrangement, all of your telephone numbers are forwarded to the same telephone number.

FORWARD MAIN TELEPHONE NUMBER ONLY
Your main telephone number only is forwarded when CALL FORWARDING is activated. With this arrangement, while your main telephone number is forwarded, your additional telephone number(s) will continue to ring and can be answered at your premises.

RINGMASTER® I SERVICE (Continued)

NOTES:

1. Refer to your step-by-step instructions for how to activate and cancel CALL WAITING and CALL FORWARDING.

2. The option to "Forward All Telephone Numbers" is not available in all areas.

3. Although you can have up to two telephone numbers, you have just one line and only one conversation can be held at a time.

4. Wait until the full ringing pattern (for example, two short rings) is complete before answering your telephone, so you will know which telephone number was dialed.

5. When providing your telephone numbers to others, be sure and just give the telephone number designated for their calls (for example, children's number instead of main number).

6. The calling party hears normal ringing not DISTINCTIVE RINGING.

7. You are entitled to a directory listing for each RingMaster® service telephone number. Additional listings are available for a small monthly charge.

8. The telephone number to which you forward your calls does not receive the DISTINCTIVE RINGING patterns.

9. When you report a problem to the telephone company, always provide the Repair Service Representative your "main" telephone number, regardless of which telephone number is having trouble.

RINGMASTER® II SERVICE

RingMaster® II service allows you to have up to three telephone numbers on the same line. Although you can have up to three telephone numbers, you have just one line and only one conversation can be held at a time. You will receive a DISTINCTIVE RINGING pattern for each telephone number. This lets you know who a call is for *before* you answer your telephone. You can also identify who a call is *from* by providing your additional telephone numbers only to specific parties such as:

- business associates (for business calls received at home)
- friends/relatives
- children's friends

If you have CALL WAITING, you will also receive DISTINCTIVE CALL WAITING TONES. You can better determine whether or not to interrupt your current conversation and answer the waiting call.

Listed below are your telephone numbers along with their DISTINCTIVE RINGING and DISTINCTIVE CALL WAITING TONE patterns:

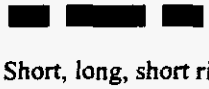
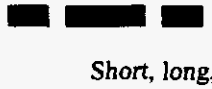
1. _____
(Main Telephone Number)

RINGING	TONE (if you have CALL WAITING)
	
One long ring (Normal ring)	One long tone (Normal Call Waiting Tone)

2. _____
(Additional Telephone Number)

RINGING	TONE (if you have CALL WAITING)
	
Two short rings	Two short tones

3. _____
(Additional Telephone Number)

RINGING	TONE (if you have CALL WAITING)
	
Short, long, short ring	*Short, long, short tone*

If you subscribe to CALL WAITING and CALL FORWARDING, you will receive additional benefits from these services when used in conjunction with RingMaster® service. It is only necessary to subscribe to CALL WAITING and CALL FORWARDING once for the services to be available on all of your RingMaster® service telephone numbers.

RINGMASTER® II SERVICE (Continued)

With RingMaster® service, CALL FORWARDING can operate in one of two arrangements. You choose which arrangement you want at the time you establish RingMaster® service (if you also have CALL FORWARDING). To change from one arrangement to the other, you must contact your local Telephone Company Business Office. A service order charge will be incurred for subsequent changes.

FORWARD ALL TELEPHONE NUMBERS
All telephone numbers are forwarded when CALL FORWARDING is activated. With this arrangement, all of your telephone numbers are forwarded to the same telephone number.

FORWARD MAIN TELEPHONE NUMBER ONLY
Your main telephone number only is forwarded when CALL FORWARDING is activated. With this arrangement, while your main telephone number is forwarded, your additional telephone number(s) will continue to ring and can be answered at your premises.

NOTES:

1. Refer to your step-by-step instructions for how to activate and cancel CALL WAITING and CALL FORWARDING.
2. The option to "Forward All Telephone Numbers" is not available in all areas.
3. In certain areas, the maximum telephone numbers allowed per line is two instead of three.
4. Although you can have up to three telephone numbers, you have just one line and only one conversation can be held at a time.
5. Wait until the full ringing pattern (for example, two short rings) is complete before answering your telephone, so you will know which telephone number was dialed.
6. When providing your telephone numbers to others, be sure and just give the telephone number designated for their calls (for example, children's number instead of main number).
7. The calling party hears normal ringing, not DISTINCTIVE RINGING.
8. You are entitled to a directory listing for each RingMaster® service telephone number. Additional listings are available for a small monthly charge.
9. The telephone number to which you forward your calls does not receive the DISTINCTIVE RINGING patterns.
10. When you report a problem to the telephone company, always provide the Repair Service Representative your "main" telephone number, regardless of which telephone number is having trouble.

SPEED CALLING 8

Speed Calling 8 lets you place a local or long distance call simply by dialing a one-digit code. ***Speed Calling 8*** *is a simple,* convenient way to reach your most frequently called numbers and a quick and accurate way to call emergency numbers. First, *write down the names and numbers you want on your* Speed Calling list then begin recording each phone number and its corresponding Speed Calling code (Steps 1-6 below).

HOW TO RECORD NUMBERS ON YOUR SPEED CALLING LIST:

1. **Listen For A Dial Tone.**
2. **Dial 74# With touch-tone** service telephone (74 with rotary or dial pulse telephones).
3. **Listen For A Second Dial Tone.**
4. **Dial The Speed Calling 8 Code (Number 2 through 9)** beside the name you wish to record. For example, If you have assigned the code number 2 to your local police, dial 2.
5. **Dial The Phone Number** you want to record including, for a long distance number, 1 or 0 plus the area code.
6. **Listen For Three Short Tones.** This will confirm that you have successfully recorded the number.

- *Repeat Steps 1-6 for each* ***Speed Calling 8*** code number you record.
- *If you don't hear the tones after you have attempted to record a number, repeat Steps 1-6.*

HOW TO SPEED DIAL:

Dial The One-Digit Speed Calling Code. With touch-tone dialing, also **depress the # symbol** immediately after you dial the Speed Calling code.

HOW TO CHANGE YOUR SPEED CALLING LIST: Repeat Steps 1-6 of 'How to record numbers on your Speed Calling List', taking care to use the code beside the number you want to change.

EXAMPLE: *If you want to change the number listed beside code 5, repeat Steps 1-6, dialing 5 in Step 4, and then dialing the new phone number you wish to enter in Step 5. The new number you enter will automatically replace the number you originally entered beside code 5.*

Write in the names and telephone numbers on your **SPEED CALLING 8 LIST** below:

NAME	CODE	TELEPHONE NUMBER
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	

SPEED CALLING 30

Speed Calling 30 lets you place a local or long distance call simply by dialing a two-digit code. **Speed Calling 30** is a simple, convenient way to reach your most frequently called numbers and a quick and accurate way to call emergency numbers. First, write down the names and numbers you want on your Speed Calling, list; then begin recording each phone number and its corresponding Speed Calling code (Steps 1-6 below).

HOW TO RECORD NUMBERS ON YOUR SPEED CALLING LIST:

1. **Listen For A Dial Tone.**
2. **Dial 75# With touch-tone** service telephone (75 with rotary or dial pulse telephones).
3. **Listen For A Second Dial Tone.**
4. **Dial The Speed Calling 30 Code (Number 20 through 49)** beside the name you wish to record. For example, if you have assigned the code number 20 to your local police, dial 20.
5. **Dial The Phone Number** you want to record including, for a long distance number, 1 or 0 plus the area code.
6. **Listen For Three Short Tones.** This will confirm that you have successfully recorded the number.

NOTE: *Repeat Steps 1-6 for each Speed Calling 30 code number you record. If you don't hear the tones after you have attempted to record a number, repeat Steps 1-6.*

HOW TO SPEED DIAL:

Dial The Two-Digit Speed Calling Code. With touch-tone dialing, also **depress the # symbol** immediately after you dial the Speed Calling code.

HOW TO CHANGE YOUR SPEED CALLING LIST:

Repeat Steps 1-6 of HOW TO RECORD NUMBERS ON YOUR SPEED CALLING LIST, taking care to use the code beside the number you want to change.

Write in the names and telephone numbers on your **SPEED CALLING 30 LIST** below:

Name	Code	Telephone #
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	

Name	Code	Telephone #
	35	
	36	
	37	
	38	
	39	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	49	

THREE WAY CALLING

Three Way Calling allows connection between three telephones at one time. If you have Call Waiting, you can temporarily control it while a three way call is in progress.

HOW TO USE THREE WAY CALLING.

1. **Get The First Party On The Phone**
2. **Depress The Switchhook** for a second to put the call on hold.
3. **Listen For Short Bursts Of Tone Followed By A Steady Dial Tone**, and dial the second party. You can talk privately with the second party before you bring the first party back on the line with you.
4. **Depress The Switchhook** again for a second to complete the three way connection. Now you have both parties on the line with you.
5. **If You Get A Busy Signal** or no answer when calling the second party, **Depress The Switchhook Twice** -for a second each time to return to the first party. If you wish, you may now dial someone else by starting again at Step 2.

HOW TO END THREE WAY CALLING:

1. **End One Conversation** by waiting for that party to hang up (you'll hear a click). You and the remaining party can continue the conversation. Or, you can establish another three way conversation by repeating Steps 2-4.
2. **End Both Conversations** by hanging up the phone.

SERVICE BLOCKING OPTIONS

Individual line numbers may be blocked from dialing certain codes according to the following chart. The selected option should be entered under Service Blocking Options in Section H-1 under Line and Line Features on the residence or business LSR.

Services to Block	Option 1	Option 2	Option 3	Option 4	Option 6
Operator 0-	X	X	X		
Operator 0+	X	X	X		
DDD 1+	X		X		
1+900	X		X	X	X
1+555-1212 & 1+NPA-555-1212	X		X		
411	X				
440 (PULSELINK Access)	X				
IDDD 01	X	X	X		
IDDD 011+	X		X		
976	X	X		X	X
1+976 (See Note)	X	X		X	X
N11 (211, 311, 511, 711, & 811)	X				X

Note: The 1+976 Restriction is only applicable within the end user's area code Option 5 is reserved for future use.

ANNOYANCE CALL CENTER

When an end user receives **Threatening, Abusive,** or **False Report** calls, they should be referred to the BellSouth Annoyance Call Center (ACC). Examples of these type calls are:

Threatening Calls - Calls where there is a threat or intent that poses to be harmful on a life, property, bomb threat, etc.

Abusive Calls - Calls that are intended to annoy or embarrass by using obscene or harassing language; harass by hanging-up, heavy breathing or dead silence; repeated calls on answering machines, voice mail or other lines in the home.

False Report Calls - When a caller represents himself (herself) as a law enforcement officer, hospital staff, or school official and advises that a child, spouse, etc. has been injured or killed in an accident.

BellSouth will cooperate fully with Resellers in the disposition of annoyance calls received by the Reseller's end users. Because of the nature of their work, the Annoyance Call Center will need to work directly with the Reseller end user to resolve any problems. BellSouth will expect Resellers to take appropriate corrective action with their end users in those cases where the 'annoyance call' is originated by the Reseller's end user. Failure of the Reseller's end user to cease annoyance or harassing calls will result in disconnection of the end user's service.

The Annoyance Call Center does not handle referrals concerning Misdirected, Debt Collection, or Solicitation Calls.

State	Annoyance Call Center
Alabama, Kentucky, Louisiana, Mississippi, Tennessee	**557-6222** **Central Time: 7:30 AM - 5:30 PM** **Monday - Friday**
Florida, Georgia, North Carolina, South Carolina	**780-2969** **Eastern Time: 7:30 AM - 5:00 PM** **Monday - Friday**

TAB 4

NOT ATTACHED

NARRATIVE REPORT
BellSouth Telecommunications

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INTRODUCTION

In keeping with the Commission's Order, Attachment B of this report will set forth BellSouth's positions regarding the use of certain selective routing capabilities in conjunction with AT&T's total resale of existing BellSouth retail services. The report will support BellSouth's conclusions reached regarding these four major points:

1. **The combination of total service resale with unbundled network elements is inappropriate.**
2. **BellSouth will offer unbundled network elements that AT&T can use with its own network elements to create the functionality that AT&T desires.** This report will demonstrate how unbundled capabilities that will be made available by BellSouth could be used by AT&T to provide the functionality requested.
3. **Even if the combination of total service resale with unbundled network elements was determined to be appropriate, there is at present, using existing switch capabilities and resources, no technically feasible method of accommodating AT&T's request.** The report will discuss the technical capabilities of existing switch based capabilities that were analyzed in terms of their providing the functionality requested by AT&T.
4. **Even if the combination of total service resale with unbundled network elements was determined to be appropriate, and even if it was determined that such an arrangement is technically feasible, the net effect would be to increase BellSouth's cost of providing access to operator services rather than to lead to avoided costs.**

THE COMBINATION OF TOTAL SERVICE RESALE WITH UNBUNDLED NETWORK ELEMENTS IS INAPPROPRIATE.

AT&T requested that the Commission order BellSouth to provide selective routing arrangements that will enable a customer (for which AT&T acquires service from BellSouth at wholesale and resells at retail) to reach an AT&T operator platform just as a BellSouth customer can reach a BellSouth operator service or repair service platform today (i.e., through dialing 0, 411 or 611). Fundamentally, AT&T requests that for certain calls (that is, only those calls destined for an operator services or repair service platform such as 0, 411 or s calls) a determination be made

during call set-up of whose customer (AT&T's or BellSouth's) is dialing the call and to make a selection of outgoing trunk group accordingly. This implies that:

- Billing records (or some surrogate for billing records) would be accessed by the switch.
- A determination of account control would be made (that is, "AT&T customer" or "BellSouth customer").
- This information would be used by the switch to properly select a trunk group to AT&T's operator services platform or to BellSouth's operator services platform based on that account control indicator.

BellSouth asserts that such "selective routing" is not appropriate in those cases where AT&T is reselling BellSouth service to its customers. A clear distinction exists between the resale environment and network interconnection with facilities based carriers using unbundled network elements. Consider the basic 1FR service that is purchased by a majority of the residential subscribers in Georgia. It is a retail service and therefore available for resale. However, there is not a single 1FR service sold at retail that does not include access to operator services as an integral part of the service. There is no retail residential service provided by BellSouth in the territory it serves, where the "0" on the telephone dial, when used by itself, does not provide access to a BellSouth operator.

As clarification, this access to operator services should not be confused with the actual provision of operator services. Operator services are separate, stand-alone services for which an additional charge will be levied. If a reseller chooses to utilize BellSouth's operator services, those services will be provided at the normal discount attributable to resold services. If a reseller chooses not to utilize BellSouth's operator services, the reseller must make some arrangement to have its customers reach the reseller's operators.

AT&T's suggestion that the Commission order BellSouth to provide this selective routing in the total service resale environment confuses the clearly distinct subjects of resale and unbundling. AT&T argued that it, and perhaps other resellers, wanted to provide their own operator services where, for example, they resold BellSouth's 1FR or 1FB service. If AT&T wishes to purchase unbundled loops from BellSouth and to use its own operators to service its customers, that is AT&T's option. However, the term "resale" seems pretty simple to understand. If AT&T wants to resell BellSouth's 1FR service, it has to resell that service,

operator access and all. It cannot disassemble the service to suit its own notion of what it wants and claim to be reselling the service.

The capability for selective routing based on account control does not at present exist, nor could it be constructed with existing switch based or Advanced Intelligent Network based capabilities. The following paragraphs describe serving arrangements to access operator services platforms in both the resale and facilities based interconnection environments.

In the resale environment, the resold service includes routing of traffic to directory assistance, operator services and repair services delivered to BellSouth specified termination points. These termination points are the same for BellSouth end user customers as well as for the end user customers of all Resellers.

By comparison, in the facilities based interconnection environment, calls can be delivered to BellSouth operator services platforms (or Alternate Operator Services platforms) over dedicated trunk groups from AT&T switches. For example, AT&T could acquire unbundled loops from BellSouth, transport those loops to an AT&T switch and then deliver 0, 411 and 611 traffic to either its own or BellSouth's operator services or repair service platform. Since the traffic arrives over discrete rather than common trunk groups, BellSouth's operator services platforms could differentiate calls from AT&T customers reaching the BellSouth platform from the calls of BellSouth customers reaching that same platform. If AT&T desired that BellSouth "brand" incoming calls to BellSouth's operators, then, at a minimum, additional cost would be incurred by BellSouth for development of this new service.

The routing to termination points specified by Resellers (differing from BellSouth designated Points) would be a <u>new</u> capability. Resale of local exchange service envisions discounts to reflect costs avoided by BellSouth. Setting technical limitations aside, selective routing of directory assistance, operator services and repair services for resellers would generate additional, new costs for BellSouth. These costs would include the following:

- Switch translations changes to implement new Line Class Codes.
- Changes to order entry systems to allow an indication of the routing treatment desired on an end user customer-by-customer basis.

- Numerous new ordering entries required to convey new Line Class Code information to switch memory.

The insurmountable complication arises because AT&T desires that its customers dial the **same telephone numbers** to reach its operator services or repair service (0-, 411 and 611) and have the telephone switching network somehow determine whose customer (that is AT&T's customer or BellSouth's customer) is dialing the call.

A case to illustrate likely customer confusion (even if selective routing could be achieved technically) may be found in the following example:

- Monday: An end user customer calls 611 from his/her home. Customer reaches Reseller Z to report static on the line.
- Tuesday morning: Problem is not cleared and the phone is now completely out of service. The end user customer goes next door to use the neighbor's phone to again report the trouble. The neighbor's phone service is provided via Reseller Y.
- The customer dials 611 and reaches the repair service of Reseller Y (instead of the intended bureau of Reseller Z). Reseller Y does not realize that the caller is not one of its customers and advises the customer that the trouble will be cleared by 5:00 PM that day.
- Tuesday afternoon: The customer arrives home to find that the trouble is still not cleared. Confusion continues.

The requirement to unbundle certain network elements hinges on establishing that the unbundling request is technically feasible. It could be argued categorically that the unbundling requirement of the Act is predicated on the existence of a network feature or function. That is, feature development is not a requirement of the Act. Clearly the request for selective routing is a feature non-existent in the network today and is not required by the Act. However, in the spirit of cooperation and in keeping with the desire to meet customer needs, BellSouth has studied several prospective methods for handling selective routing. The results of these investigations, which will be detailed in the following material, show that each prospective solution is not technically feasible.

BELLSOUTH WILL OFFER UNBUNDLED NETWORK ELEMENTS THAT AT&T CAN USE WITH ITS OWN NETWORK ELEMENTS TO CREATE THE FUNCTIONALITY THAT AT&T DESIRES.

Section 251 of the Telecommunications Act of 1996 requires Incumbent Local Exchange Carriers (ILECs) to provide access to unbundled network elements at any technically feasible point. Accordingly, BellSouth will offer a variety of unbundled network elements that can be used by a facilities based carrier to complement its network elements and thereby serve its customers. BellSouth will offer a rich set of unbundled elements including the following:

- Loops
- Loop concentration
- Switch ports
- Operator call services
- Directory assistance
- 800 Database Service
- 911
- Line Information Data Base (LIDB) Validation Service
- Line Information Data Base (LIDB) Storage Service
- Bill production
- Poles, ducts, conduits, Rights Of Way (ROW)
- Access to numbers
- Number portability
- Collocation
- White page listings
- Centralized Message Distribution Service(CMDS)
- Signaling
- Non-Sent Paid Report System (NSPRS)
- Local Calling Area Boundaries Guide

A facilities based carrier's using unbundled network elements in conjunction with its own elements could achieve the functionality that AT&T desires. For example, AT&T could acquire unbundled loops from BellSouth, transport those loops to an AT&T switch and then deliver 0, 411 and 611 traffic to either its own or BellSouth's operator services or repair services platform. Since the traffic arrives over discrete rather than common trunk groups, BellSouth's operator services platforms could differentiate calls from AT&T customers reaching the BellSouth platform from the calls of BellSouth customers reaching that same platform. However, if AT&T desired that BellSouth "brand" incoming calls to

BellSouth's operators, then, at a minimum, additional cost would be incurred by BellSouth for development of this new service.

EVEN IF THE COMBINATION OF TOTAL SERVICE RESALE WITH UNBUNDLED NETWORK ELEMENTS WAS DETERMINED TO BE APPROPRIATE, THERE IS AT PRESENT, USING EXISTING SWITCH CAPABILITIES AND RESOURCES, NO TECHNICALLY FEASIBLE METHOD OF ACCOMMODATING AT&T'S REQUEST.

In establishing the technical feasibility of an unbundled network element, the following minimum criteria are appropriate:

- The ability to provision, track and maintain the element.
- The ability to deliver discrete, stand-alone facilities, equipment, or logical functions of the existing or scheduled LEC network.
- The ability to maintain network integrity without undue risk, including risk of physical hazards to telephone plant or operating personnel, or risk to service degradation or service impairment of any kind.
- The ability to provide physical or logical operational interfaces between the incumbent LEC and the requesting carrier.

BellSouth analyzed the technical feasibility of four alternatives for the capability of providing selective routing of AT&T customers to AT&T operator service platforms. The following four alternative serving arrangements were addressed:

- Use of Line Class Codes (LCC).
- Use of switching system translations capabilities to create individual dialing plans.
- Use of Advanced Intelligent Network (AIN) capabilities to provide selective routing.
- Use of other switch-based capabilities to provide selective routing.

Each of these alternatives was analyzed and the results are described in the following paragraphs.

USE OF LINE CLASS CODES

In order to terminate the same dialed digits to multiple destinations, the originating switching system must have the intelligence to determine the desired routing. BellSouth has had discussions with several Alternative

Local Exchange Carriers (including AT&T) who have stated their intent to resale most or all classes of service that BellSouth offers at present. Routing to a different reseller's location based on the same dialed digits would require BellSouth to duplicate every resold class of service in a given end office for every reseller. Correspondingly, these new classes of service would each require a unique Line Class Code to be assigned. However, there is a finite number of line class codes available.

The table below shows Line Class Code capacity in the various switch types used in BellSouth's network in Georgia:

MANUFACTURER	SWITCH TYPE	LINE CLASS CODE CAPACITY
Lucent Technologies	1AESS	1024
Lucent Technologies	2BESS	512
Lucent Technologies	5ESS	4096
Nortel	DMS-100	1024

Discussion with Lucent Technologies indicated that their technical reference documents were in error regarding the Line Class Code capacity in the 5ESS and that the capacity might be nominally higher. Lucent Technologies was not willing, however, to confirm a different Line Class Code capacity than as shown in the latest version of their technical reference documents. Even with the presumed higher Line Class Code capacity for 5ESS, no material difference in BellSouth's conclusion would result regarding the infeasibility of using Line Class Codes to achieve selective routing.

Based on a detailed study of Line Class Codes in service, it is BellSouth's conclusion that the use of Line Class Codes to achieve the selective routing in a resale environment, as AT&T has requested, is not technically feasible. The study parameters include the following:

1. Counts of Line Class Codes in service were taken during July and August 1995. No growth of LCCs in service was assumed except for completion of deployment of the Call Authorization Management SM (CAM) capability. As a result, true case will be worse than as calculated and depicted without the inclusion of growth for Line Class Codes used.
2. Line Class Code capacities for specific switch types were set at the maximum known capability. These maximum levels are the greater of currently installed capacities or, as in the case of the Nortel DMS-100,

announced LCC capacity levels. Apart from these assumed levels of LCC capacity, BellSouth is not aware of other augmentations either planned or under development.

3. The measurement mechanism used could not count Line Class Codes actually in service above the level of 1000 due to a restriction of the register size. This situation is limited to the case of the Lucent Technologies 5ESS switches. True case is actually worse than depicted for two of the thirty seven (37) 5ESS switches in which the counts were taken.
4. Counts were taken in 116 switches of the following types:
   - Lucent Technologies 1AESS (34)
   - Lucent Technologies 2BESS (7)
   - Lucent Technologies 5ESS (37)
   - Nortel DMS-100 (38)

At the end of 1995, BellSouth had a total of 120 of these switches in its network in Georgia. Thus, the sampled rate of the universe is 97%.

The table below shows the results of BellSouth's study. The percentages shown are the proportions of installed switches that are **not** capable of *providing the selective routing requested by* AT&T.

Switch type	BellSouth switches in Georgia exhausted based on LCC capacity with BellSouth plus one ALEC	BellSouth switches in Georgia exhausted based on LCC capacity with BellSouth plus three ALECs	BellSouth switches in Georgia exhausted based on LCC capacity with BellSouth plus five ALECs	BellSouth switches in Georgia exhausted based on LCC capacity with BellSouth plus eight or more ALECs
1AESS	100%	100%	100%	100%
5ESS	11%	30%	76%	100%
2BESS	100%	100%	100%	100%
DMS-100	45%	82%	100%	100%
TOTAL	53%	72%	92%	100%

The obvious conclusions that may be drawn from the information in the table above include:

- Use of Line Class Codes as a method of providing selective routing in the resale environment only 'works' for BellSouth plus one ALEC (that is, AT&T) in 47% of the switches in BellSouth's network in Georgia (100% - 53%). Such a limited capability will produce widespread confusion if the Commission was to order BellSouth to provide the capability because customers served by certain switches would have their calls routed differently than customers served by other switches.
- In the robust, competitive environment that BellSouth expects to operate, most or all carriers would demand similar treatment of calls from their resold customers to their own branded operators. Virtually all of BellSouth's switches would be exhausted (92%) in the likely 'real world' scenario of BellSouth competing with five (5) or more Alternative Local Exchange Carriers in the near future. BellSouth expects at least eight (8) competitors in major markets in Georgia.
- Since entire communities are often served by a single switch, for those switches exhausted by Line Class Codes, selective routing capability would not be available.
- Line Class Codes are used for a variety of purposes including the creation of new local serving areas and new services. To cause the premature exhaust of Line Class Code capacity simply to allow AT&T (but not other carriers) a marketing advantage would be done at the price of BellSouth's not being able to introduce new products, services or dialing patterns. It is in the public interest to have BellSouth continue the stream of new products and services so customers can have more choices rather than less in the new competitive environment.
- To cause the premature exhaust of Line Class Codes would preclude the possibility in some cases of adding remote switches to an existing host switch. In such a case, significant extra cost would be incurred to make what would have been a simple remote switch a much more costly, complex host switch. Further, some existing host/remote arrangements would have to be undone such that the remote switches were upgraded to host switches, again with considerable expense.

BellSouth's analysis demonstrates forcefully that the use of LCC is not a technically feasible alternative given that:

1. This solution only 'works' for BellSouth and AT&T in the 5ESS and DMS-100 switches. No development work planned for 1AESS or 2BESS switches to expand Line Class Code capacity since these switch types are being steadily replaced.
2. BellSouth expects at least 8 competitors in major markets in Georgia who would demand equal treatment. This solution could be used for all 8 competitors in only 2% of BellSouth's 1AESS, 5ESS and DMS-100 switches.

USE OF SWITCHING SYSTEM TRANSLATIONS CAPABILITIES TO CREATE INDIVIDUAL DIALING PLANS

Our analysis of the use of switching translation capabilities to create individual dialing plans likewise requires the duplication of existing LCCs. Due to this dependence of LCCs to implement the use of switching translation capabilities, the use of translations capabilities is also not technically feasible. BellSouth is aware of no technically feasible means of using switch translations capabilities to create the selective routing capability in a resale environment as requested by AT&T.

A second translations capability that was examined in terms of its ability to accommodate AT&T's request is the use of certain code conversion tables. The code conversion provides the capability to associate directory assistance, repair service and 911 services to a particular telephone number. The problem with this solution is that the code conversion works on a rate area basis. In other words, all customers in a particular rate area will be routed to the individual destinations for each of the above services, as designated in the code conversion form. Code conversion could not be performed on an individual customer basis.

Even if we could overcome the technical limitations listed in the paragraphs above, there are other switch resources that would become limiting factors in each switch technology.

The following paragraphs discuss each of these switch resources and notably, each analysis concludes that such use is neither practical nor technically feasible. The switch resources analyzed include:

- Digit prefixing and deleting
- Screening Indices
- Directory assistance trunk group capacity
- Rate centers

Digit deleting and prefixing:
AT&T requested that certain calls (that is, calls dialed as "411" and "611") be converted to 10-digit numbers and delivered to AT&T for routing through its network. Delivering calls via selective routing as requested by AT&T, would require deleting and prefixing digits (that is, for example, delete "411" and prefix the 10-digit number). The Lucent Technologies 5ESS, 1AESS and the 4ESS switching systems can not delete and prefix digits with equal access signaling on Signaling System 7 (SS7) trunks. With traditional signaling on Multifrequency (MF) trunks, the 4ESS can only delete and prefix 6 digits while the 1AESS can only delete and prefix 7 digits.

Screening Indices:
Other switch translations resources include other translations areas referred to as screening indices. These resources are used to minimize translations required by serving as standard pre-translators in the Nortel DMS-100 or Digit Analysis Selectors (DAS) in the Lucent Technologies 5ESS. In most cases, these resources are even more limited and thereby are more restrictive than the Line Class Codes.

Directory assistance trunk group capacity:
Other technical limitations include the Nortel DMS-100 capacity of 16 routes for 411. At present, four of the 16 are in use. Replication would be required for each carrier that wanted its own selective routing pattern so only 4 carriers (including BellSouth) could have the selective routing capability for its customers. Other carriers would not be able to offer selective routing to their customers, thereby creating a potential discrimination issue between competing service providers.

Rate centers:
Routing 0- traffic in the 5ESS or the DMS-100 on a selective routing basis would require a different rate center to be created for each service provider. Here again, based on switch type, rate center capacities range

from 64 to 255. In order to implement selective routing using unique rate centers would require that separate rate centers be established for each carrier. This solution would be even more limiting than the use of Line Class Codes. Additionally, this alternative suffers from being significantly more complex than the Line Class Code scenario.

After concluding its analysis, BellSouth's asserts that its analysis demonstrates forcefully that the use of existing translations capabilities to effect the selective routing that AT&T has requested is not technically feasible.

USE OF ADVANCED INTELLIGENT NETWORK (AIN) CAPABILITY TO ALLOW SELECTIVE ROUTING

BellSouth does not currently have an AIN capability that will provide the selective routing capability that AT&T has requested. Further study is required to determine if a new AIN capability could provide such a functionality in the BellSouth switches that are AIN equipped (that is, 5ESS and DMS-100 offices that are equipped for AIN Release 0.1). BellSouth asserts that the use of existing AIN capabilities to effect the selective routing that AT&T has requested is not technically feasible.

USE OF OTHER SWITCH BASED CAPABILITY TO ALLOW SELECTIVE ROUTING

The capability to provide a selective routing capability in the total service resale environment, as requested by AT&T, where customer routing patterns can be determined based upon a preferred Local Exchange Carrier indicator (rather than using Line Class Codes as discussed above) is not available in any end office switch in BellSouth today.

A pre-subscription indication feature is supported by Bell Communications Research (Bellcore) Local Switching Systems Generic Requirements (LSSGR) for the transmission of an indication to an IntraLATA Carrier, an InterLATA Carrier, or an International Carrier. Calls from these customers are automatically routed to their pre-subscribed carrier unless the customer specifies a different carrier by dialing a special access code prefix. Bellcore does not support a pre-subscription indication feature for the transmission of an indication to a Local Exchange Carrier.

For these reasons, the use of other existing switch based capabilities to effect the selective routing that AT&T has requested is not technically feasible.

USE OF PROXY SERVICE SOLUTION

Despite the numerous conference calls, meetings and letters between BellSouth and AT&T on the subject of selective routing, BellSouth first learned on July 10, 1996 that AT&T planned to include in its report a narrative discussion of a possible solution that it referred to as "Proxy Service". Obviously, learning of such a proposal only two days before the date we are required to file this joint report does not give BellSouth ample time to investigate the technical merits of such a solution and render an informed opinion to the Commission.

AT&T made no mention of this new candidate capability (Proxy Service) prior to July 10, 1996. BellSouth does not fully understand the capabilities of Proxy Service except as described in AT&T's report. BellSouth cannot, at this time, comment on Proxy Service in this report. BellSouth would note, however, that AT&T's report is inconclusive as to whether Proxy Service is capable of providing the functionality that AT&T has requested. It should be noted that AT&T's discussion of Proxy Service concludes with the statement that the underlying architecture that is, the Intelligent Peripheral interface, along with its traffic carrying capacity **"requires further investigation".**

EVEN IF THE COMBINATION OF TOTAL SERVICE RESALE WITH UNBUNDLED NETWORK ELEMENTS WAS DETERMINED TO BE APPROPRIATE, AND EVEN IF IT WAS DETERMINED THAT SUCH AN ARRANGEMENT IS TECHNICALLY FEASIBLE, THE NET EFFECT WOULD BE TO INCREASE BELLSOUTH'S COST OF PROVIDING ACCESS TO OPERATOR SERVICES RATHER THAN TO LEAD TO AVOIDED COSTS.

There has been no evidence presented that would indicate that any telephone plant or equipment would no longer be necessary where services were resold. Even if it could be established that certain plant and equipment would no longer be necessary, it has not been established that such plant or equipment could be sold and the unrecovered investment returned in some manner.

To the contrary, it can be demonstrated that additional costs would be incurred even if it were technically feasible to use existing switch resources and capabilities to provide the selective routing that AT&T has requested. Costs would be incurred to:

1. Replicate Line Class Codes for all classes of service that AT&T or any other ALEC would want to resell.
2. Perform new provisioning procedures to change the Line Class Code assigned to existing BellSouth customers who choose to change service providers.
3. Create and implement additional new maintenance procedures.
4. Create and implement additional new translations procedures.

However, as noted above, AT&T's main argument is its claim that it would not need BellSouth's operators (and therefore, presumably, would not need the plant and equipment associated with the operators). Even if, however, AT&T did use its own operators, it is not clear that BellSouth would need any fewer operators. Given that, when AT&T or anyone resells BellSouth's 1FR service, the end user gets access to BellSouth's operators. There simply is not a retail 1FR offering, to use the 1FR as an example, which provides a different result. In such a situation, then, there are no avoided costs. Contrary to AT&T's view, the definition of an "avoided" cost does not and should not simply mean a cost that BellSouth will be forced to absorb, or collect from its remaining customers. Also, given that all ALECs that resell BellSouth services will receive the same discounted price, a loss of parity would result between AT&T (which would cause additional cost to BellSouth) and those ALECs whose resold customers access BellSouth's operators (and thereby do not cause additional cost to BellSouth). This is not a view that comports with providing these capabilities in a non-discriminatory manner. Even if it could somehow be construed in that manner, it could not possibly be in the public interest.

SUMMARY

The combination of unbundled elements with resold services is not appropriate and was not contemplated by the Telecommunications Act of 1996. BellSouth will make available unbundled network elements that AT&T may appropriately use in conjunction with its own network elements in order to achieve the selective routing that AT&T has requested. Furthermore, using existing switch resources and capabilities, there is no technically feasible method that would allow the type of selective routing

in a resale environment that AT&T has requested. Even if such a technically feasible method was developed, the effect would be to cause an increase in switching costs rather than to lead to avoided costs as AT&T has suggested. For these reasons, the Commission must deny AT&T's request.

The issue of selective routing is not limited to Georgia but is instead national in scope. Any technical solution must work in a variety of situations with a variety of service providers and their equipment and configurations. It is BellSouth's understanding that at least one Alternative Local Exchange Carrier (ALEC) is considering proposing this issue to the Industry Carriers Compatibility Forum (ICCF) for resolution. BellSouth believes that a national forum such as the Industry Carriers Compatibility Forum has the necessary expertise to successfully resolve this complex issue and that the Commission should defer this issue to the ICCF for resolution.