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ORIGINAL

October 28, 1999

Mrs. Blanca S. Bayó
Director, Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket Nos. 981834-TP and 990321-TP

Dear Ms. Bayó:

Enclosed please find the original and fifteen copies of BellSouth Telecommunications, Inc.'s Direct Testimony of Jerry Hendrix and Keith Milner, which we ask that you file in the above-referenced matter.

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 to the parties shown on the attached Certificate of Service.

Sincerely,

J. Phillip Carver

J. Phillip Carver

AFA
APP
CAF
CMU
CTR
EAG
LEG 2
MAS 3 + cpgs
OPC
PAI
SEC 1
WAW
OTH

cc: All Parties of Record
Marshall M. Criser III
R. Douglas Lackey
Nancy B. White

CERTIFICATE OF SERVICE
Docket No. 981834-TP and 990321-TP

I HEREBY CERTIFY that a true and correct copy of the foregoing was served via U. S. Mail this 28th day of October, 1999 to the following:

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ORIGINAL

BELLSOUTH TELECOMMUNICATIONS, INC.

DIRECT TESTIMONY OF JERRY D. HENDRIX

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NOs. 981834-TP and 990321-TP

OCTOBER 28, 1999

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

A. My name is Jerry D. Hendrix. I am employed by BellSouth as Senior Director – Interconnection Services Pricing. My business address is 675 West Peachtree Street, Atlanta, Georgia 30375.

Q. PLEASE GIVE A BRIEF DESCRIPTION OF YOUR BACKGROUND AND EXPERIENCE.

A. I graduated from Morehouse College in Atlanta, Georgia, in 1975, with a Bachelor of Arts Degree. I began employment with Southern Bell in 1979, and have held various positions in the Network Distribution Department before joining the BellSouth Headquarters Regulatory organization in 1985. On January 1, 1996, my responsibilities moved to Interconnection Services Pricing in the Interconnection Customer Business Unit. In my position as Senior Director, I oversee the negotiations of interconnection agreements between BellSouth and Alternative Local Exchange Companies ("ALECs").

Q. HAVE YOU TESTIFIED PREVIOUSLY BEFORE A STATE COMMISSION?

A. Yes. I have testified in proceedings before the Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, and South Carolina Public Service Commissions, the North Carolina Utilities Commission, and the Tennessee Regulatory Authority.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. My testimony will address issues from the Florida Public Service Commission's ("Commission") Staff resulting from the Competitive Carriers' and ACI Corporation's petitions for a generic collocation proceeding and establishment of procedures and consolidation of Docket Nos. 981834-TP and 990321-TP. Specifically, I will address Issues 1, 2, 5 - 8, 13 - 15, 17 - 19, and 21.

Q. PLEASE GIVE A BRIEF REGULATORY HISTORY OF COLLOCATION WITHIN BELLSOUTH CENTRAL OFFICES.

A. BellSouth entered into Interconnection Agreements with requesting telecommunications carriers per the Federal Communications Commission's ("FCC's") Expanded Interconnection Order released in 1991 and 1992. The FCC's First Report and Order (CC Docket 96-98 and 95-185) rendered shortly

after the Telecommunications Act of 1996, further clarified BellSouth's interconnection and collocation obligations, and BellSouth thus adapted its Interconnection and Collocation Agreements to meet these obligations. Most recently, the FCC's 706 Order (CC Docket 98-147, FCC 99-48) outlined additional collocation obligations for incumbent Local Exchange Carriers (ILECs). As such, BellSouth is transitioning its current Collocation Agreements ("pre-FCC 99-48 agreements") to the terms and conditions of its new Collocation Agreement ("FCC 99-48 inclusive agreements"), which is attached as JDH-1.

Issue 1. When should an ILEC be required to respond to a complete and correct application for collocation and what information should be included in that response?

Q. WHAT PROCESS MUST AN ALEC FOLLOW TO ORDER COLLOCATION?

The ordering process for collocation is a two-phase process consisting of the Application Inquiry phase and the Bona Fide Firm Order phase. To initiate the Application Inquiry phase, a collocator must submit a complete and accurate BSTEI-1 Application Inquiry document (which I have attached, with instructions, to my testimony as JDH-2) with the appropriate Application Fee, for review and planning by BellSouth equipment engineers, space planners and facility planners. A proposed equipment layout, an estimate of the square

footage or bay space required and the application fee must accompany each Application Inquiry as indication of a bona fide request.

Q. WHAT PROCESS DOES BELLSOUTH FOLLOW TO RESPOND TO AN APPLICATION FOR COLLOCATION?

A. BellSouth will provide a comprehensive written response to an application for collocation ("Application Response") in the following manner. A CLP first submits an application for collocation to the Account Team Collocation Coordinator ("ATCC") within its account team. When the application is received by the ATCC, in addition to verifying that it is complete and accurate, the ATCC must distribute the application to six different departments within BellSouth and to one BellSouth Certified Vendor. Property and Services Management ("P&SM") evaluates the impact of the applicant's equipment placement on existing central office building support systems (e.g., Heating, Ventilation and Air Conditioning or HVAC, building space). Common Systems Capacity Management ("CSCM") and Circuit Capacity Management ("CCM") assess the central office infrastructure related to the application, such as cable rack requirements, cable lengths and routes, fiber entrance arrangements and routes, and point of demarcation terminations (CDF, DSX, LGX). In the event the applicant wishes to place its own entrance facility, Outside Plant Engineering ("OSPE") surveys the location and determines the availability of spare ducts from the manhole into the central office and whether construction or rearrangements will be required. Power Capacity Management ("PCM") and BellSouth's certified power vendor analyze the impact of the

application on existing power capacity within the central office to determine whether additional power capacity will be required to support the collocator's equipment. Each of these organizations estimates the cost of provisioning the supporting infrastructure required by the collocation request. The Interconnection Network Access Coordinator ("INAC") then reviews the application responses from each of the network organizations, verifies that the response is complete and accurate, and coordinates the response back to the applicant through the ATCC. Although developing an Application Response is complex, the process is efficient; these departments prepare their estimates in parallel to respond to the customer's request as soon as possible.

Q. WHEN SHOULD AN ILEC BE REQUIRED TO RESPOND TO A COMPLETE AND CORRECT APPLICATION FOR COLLOCATION?

A. Pursuant to this Commission's recent order, BellSouth will inform an ALEC within fifteen (15) calendar days of receipt of an application whether its application for collocation is accepted or denied as a result of space availability. BellSouth will also advise the applicant within that timeframe whether the application is considered bona fide, or if it is not bona fide, the items necessary to cause the application to be bona fide.

For physical collocation requests in Florida, BellSouth will provide an Application Response within thirty (30) calendar days of receipt of the completed application and Application Fee. BellSouth works closely with customers to establish priorities for their request when there is a need to

process multiple applications within the same time frame. When multiple applications are submitted within a fifteen business day window, BellSouth's policy has been to respond to the applications as soon as possible, but no later than the following: within thirty (30) business days for 1-5 applications; thirty six (36) business days for 6-10 applications; within forty two (42) days for 11-15 applications. Response intervals for applications in the same state in excess of 15 must be negotiated.

For virtual collocation requests, BellSouth's policy has been to provide an Application Response within twenty (20) business days of receipt of the complete application and Application Fee. When multiple applications are submitted within a fifteen business day window, BellSouth has responded to the applications as soon as possible, but no later than the following: within twenty (20) business days for 1-5 applications; within twenty six (26) business days for 6-10 applications; within thirty two (32) business days for 10-15 applications. Response intervals for applications in the same state in excess of 15 must be negotiated. All negotiations will consider the total volume of all requests from telecommunications companies for collocation.

Q. WHAT INFORMATION SHOULD BE INCLUDED IN AN APPLICATION RESPONSE FOR COLLOCATION?

A. The Application Response will include estimates of the Space Preparation Fees, the Cable Installation Fee (if applicable), and the estimated date the space will be available. The Application Response will also detail whether the

amount of space requested is available or, if the amount of space requested is not available, the amount of space that is available. The response will also include the configuration of the space.

Issue 2. If the information included in the initial response is not sufficient to complete a firm order, when should the ILEC provide such information or should an alternative procedure be implemented?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. The information provided by BellSouth in the Application Response, as described above, is sufficient for the ALEC to complete a firm order. An ALEC submitting an application for collocation with BellSouth works with an account team, and an Account Team Collocation Coordinator ("ATCC") assigned to work with it through the application and provisioning process. To my knowledge, BellSouth has never omitted information that was necessary for a collocation applicant to move forward with a Firm Order. Should such an omission occur, the ALEC can simply contact its ATCC for resolution. Any missing information could then be provided from the ATCC directly to the collocation applicant as soon as it is available. Working directly with the applicant is an efficient process and makes any alternative procedure unnecessary.

Issue 5. What terms and conditions should apply to converting virtual collocation to physical collocation?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. The terms and conditions that should apply for converting virtual to physical collocation should be consistent with the terms and conditions of the assessment and provisioning of physical collocation. These terms and conditions are negotiated between the carriers and are found in the collocation agreement between the carriers. An application for a conversion of virtual to physical collocation should be evaluated just as an application for physical collocation would. Requests for in-place conversions should be evaluated on an individual case basis, and a set of criteria used to ensure consistency in evaluation. These conversions will be evaluated as to whether there are extenuating circumstances or technical reasons that would cause the arrangement to become a safety hazard within the Premises or otherwise conflict with the terms and conditions of the collocator's collocation agreement. Additionally, there can be no change to or conversion of the virtual arrangement that could cause the arrangement to be located in the area of the Premises reserved for BellSouth's forecasted growth. The location of the virtual collocation arrangement must also be considered: the conversion of a virtual arrangement to a physical arrangement must not impact the ILEC's ability to secure its own facilities as granted by the recent FCC Order 99-48.

Q. WHY DOES BELLSOUTH TREAT A REQUEST FOR A CONVERSION IN THE SAME MANNER IT TREATS A REQUEST FOR PHYSICAL COLLOCATION?

A. Virtual collocation and physical collocation are two different service offerings. While a collocating carrier has direct access to its physical collocation equipment on a twenty-four hour a day, seven-day a week basis, access to virtual collocation is restricted to limited inspection visits only. Since BellSouth leases virtual collocation equipment from the carrier and assumes the maintenance and repair responsibility at the direction of the carrier, virtual collocation arrangements are most commonly placed within the BellSouth line-up. The conversion of an existing virtual collocation arrangement to a physical collocation arrangement usually necessitates either the relocation of the virtual collocation equipment to the space designated for the new physical collocation arrangement or the placement of new equipment in the physical collocation space and the decommissioning of the old virtual collocation arrangement.

This conversion process gives BellSouth the ability to manage its space in the most efficient manner possible. BellSouth must separately review its ability to provide physical collocation and assess the support components necessary for the particular arrangement (e.g., space allocation based on engineering drawings, HVAC, power feeder and distribution, grounding, cable racking). In performing these activities, BellSouth incurs costs. BellSouth recovers these costs through the assessment of a physical collocation Application Fee. Furthermore, BellSouth is obligated by the Telecommunications Act to treat requesting collocators in a non-discriminatory manner. Each request for a physical collocation arrangement is handled in the same non-discriminatory manner, whether it is a physical collocation request or a request for a

conversion from virtual to physical collocation. Therefore, a collocator who previously had virtual collocated equipment within an office follows the same process to obtain physical collocation as a collocator that did not previously have virtual collocation within that office.

Issue 6. What are the appropriate response and implementation intervals for ALEC requests for changes to existing collocation space?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. To clarify, BellSouth understands the question to refer to ALEC requests for changes to the ALEC's own existing collocation space. Understanding such, the response interval for a request for change to an existing space should not exceed 30 days. This interval provides the ILEC the time needed to perform the steps detailed involved in assessing and responding to the request. The implementation interval for a request for changes to an ALEC's existing collocation space should not exceed 60 calendar days, under normal conditions. Normal conditions should be described as conditions in which none of the following exist: material equipment ordering required, HVAC or power upgrades or additions, addition to floor space, racks, or bays. Under conditions other than normal, the interval for a request for changes to an ALEC's own existing collocation space should be the same interval as a new request, 90 calendar days.

Issue 7. What are the responsibilities of the ILEC and collocators when:

a) A collocator shares space with, or subleases space to, another collocator;

b) A collocator cross-connects with another collocator.

Q. WHAT ARE THE APPROPRIATE TERMS AND CONDITIONS WITH RESPECT TO SHARED OR SUBLEASED CAGED COLLOCATION?

A. The terms and conditions regarding Shared (Subleased) Caged Collocation are contained in Section 3.1 of the standard agreement I attached to my testimony as Exhibit JDH-1. In general, an ALEC may allow other telecommunications carriers to share its caged collocation arrangement pursuant to terms and conditions agreed to by the ALEC (the "Host" in the arrangement) and other telecommunications carriers (the "Guests"). The following exceptions apply: (1) where local building code does not allow Shared (Subleased) Caged Collocation and (2) where the BellSouth central office premises is located within a leased space and BellSouth is prohibited by that lease from offering such an option. The terms and conditions of the agreement between the Host and its Guests must be written and a copy provided to BellSouth within ten (10) business days of its execution and prior to the placement of any Firm Order. Further, the agreement between the Host and its Guests shall incorporate by reference the rates, terms, and conditions of the Agreement between BellSouth and Host ALEC ("Collocation Agreement").

The Host ALEC will be the sole interface and responsible party to BellSouth for the purpose of submitting applications for initial and additional equipment

placements of its Guests; for the assessment of rates and charges contained within the Collocation Agreement; and for the purposes of ensuring that the safety and security requirements of the Collocation Agreement are fully complied with by the Guest(s), its employees and agents. The initial Guest application will require the assessment of an Application Fee, as set forth in Exhibit A of the Collocation Agreement. Subsequently, the Guests may arrange directly with BellSouth for the provision of the interconnecting facilities between itself and BellSouth and for the provisions of the services and access to unbundled network elements.

Q. WHAT ARE THE APPROPRIATE ILEC AND ALEC RESPONSIBILITIES WTH RESPECT TO CROSS-CONNECTS ESTABLISHED BETWEEN TWO COLLOCATING ALECS?

A. Cross-connections made between collocating ALECs within the same central office are referred to as Co-Carrier Cross-Connects, the terms and conditions of which are located in Section 5.6 of the standard collocation agreement, Exhibit JDH-1. Generally, an ALEC may directly connect to other collocating ALECs within the designated BellSouth Central Office, given that this cross connection is made in addition to, and not in lieu of, obtaining interconnection with, or access to, BellSouth telecommunications services, unbundled network elements, and facilities. An ALEC may also utilize these cross connects to its other virtual or physical collocated arrangements located with the same central office. These Cross-connects may be established either through facilities owned by the ALEC or through BellSouth facilities designated by the ALEC,

at the ALEC's option.

Such connections to other carriers may be made using either optical or electrical facilities. ALECs may deploy such optical or electrical connections directly between its own facilities and the facilities of other Interconnector(s) without being routed through BellSouth equipment.

If an ALEC requests a co-carrier cross-connect after the initial installation, it must submit an application with a Subsequent Application Fee. The ALEC must use a BellSouth Certified Vendor to place the co-carrier cross connect, except in cases where the ALEC equipment and the equipment of the other collocators are located within contiguous collocation spaces. In cases where the ALEC's equipment and the equipment of the other collocator are located in contiguous collocation spaces, the ALEC will have the option to deploy the co-carrier cross- connects between the sets of equipment.

Issue 8. What is the appropriate provisioning interval for cageless physical collocation?

Q. IS THERE ANY DIFFERENCE IN THE PROVISIONING INTERVALS OF CAGED VERSUS CAGELESS COLLOCATION?

A. No. BellSouth's has found that its provisioning interval is not controlled by the time required to construct an arrangement enclosure. When BellSouth has performed the construction of an arrangement enclosure, the activities required

to design and construct the enclosure were a relatively minor portion, and certainly not the controlling factor, in the provisioning interval for collocation.

The controlling factors in the overall provisioning interval actually include the time required to complete the space conditioning, add to or upgrade the heating, ventilation, and air conditioning system for that area, add to or upgrade the power plant capacity and power distribution mechanism, and build out network infrastructure components such as the number of cross-connects requested. When the construction of an arrangement enclosure is not required or is not performed by BellSouth, all other collocation area and network infrastructure work must still take place.

BellSouth commits to complete its construction and provisioning activities as soon as possible but, at a maximum, within the intervals specified in the standard agreement, attached as Exhibit JDH-1. Because space preparation and network infrastructure work must be completed regardless of the type of arrangement selected, in states other than Florida, BellSouth proposes provisioning intervals of 90 business days under normal conditions or 130 business days under extraordinary conditions. These intervals are appropriately applied to either enclosed (caged) or unenclosed (cageless) physical collocation. In Florida, BellSouth strives to meet the guidelines adopted by the Commission: 90 calendar days for physical collocation.

Issue 13. If space is available, should the ILEC be required to provide price quotes to an ALEC prior to receiving a firm order for space in a central office

(CO)?

A) If an ILEC should provide price quotes to an ALEC prior to receiving a firm order from that ALEC, when should the quote be provided?

B) If an ILEC should provide price quotes to an ALEC prior to receiving a firm order from that ALEC, should the quote provide detailed costs?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. BellSouth provides price estimates to an ALEC prior to receiving a firm order for space in a central office. This price estimate is provided within thirty (30) business days from the time a complete and accurate application and application fee is received from the ALEC. The estimate includes a breakout of the following elements: Space Preparation (e.g., space construction, cable and cable support structure, power buildout), and Cable Installation (if the ALEC opts to pull its own entrance facility to its collocation arrangement). This price estimate is subject to true up at the time actual costs are available.

Issue 14. Should an ALEC have the option to participate in the development of the ILEC's price quote, and if so, what time frames should apply?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. The ILEC's price estimate is an estimate of the cost of the work that will be done by the ILEC. As such, it is not reasonable for the ALEC to participate in this estimate other than by providing detailed and accurate information

regarding the collocation arrangement it is requesting. This information includes racking information, bay information, power and cable requirements, equipment layout and other specifics. In turn, the ILEC should have the necessary procedures in place to provide a timely and accurate cost estimate to the requesting ALEC. Given the procedure by which BellSouth processes collocation applications as described earlier in my testimony, and the fact that the estimate represents the cost of work to be completed by the ILEC and its certified vendors, it would be inefficient to have the ALEC participate in the price estimate.

Issue 15. Should an ALEC be permitted to hire an ILEC certified contractor to perform space preparation, racking and cabling, and power work?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. An ALEC should be allowed to use a certified contractor to perform work on the ALEC's dedicated collocation space. Indeed, BellSouth's policy on the provisioning of collocation space allows an ALEC to utilize a certified contractor to install the space enclosure and other elements that are inside the space leased by the ALEC that are dedicated to that ALEC and do not affect BellSouth or another ALEC's equipment.

BellSouth's position is based on national property management industry-wide practices for building owners with multi-tenant occupancies. Owners of multi-tenant premises typically limit tenants to work only in their space and on their

specific systems in multi-tenant leased situations. For example, when a tenant leases space in a multi-tenant building, the tenant is allowed to build walls inside their space, add lighting and receptacles and install equipment but they are not allowed to do major mechanical or electrical work that serves or runs through other tenant space. This is based on safety and service reliability concerns for all occupants of the building. Likewise in BellSouth's collocation arrangements, the tenant/ALEC may install the welded wire cage that surrounds its equipment, frame and aisle lighting and electrical receptacles on its equipment. It may ground the wire cage and its equipment and perform the asbestos abatement inside its space, if required. These elements are dedicated to that particular tenant/ALEC. The landlord/BellSouth, however, performs all site readiness work that is outside of the tenant's/ALEC's space and that could potentially affect the landlord/ILEC's and other tenants'/ALECs' working equipment. Such work includes, but is not limited to, space preparation (e.g., system mechanical equipment changes and ductwork, ground bar additions, security access installations, handicapped upgrades required by the Americans with Disabilities Act), power work, cable and racking, and other code required common improvements. These items are common to all tenants/ALECs and the landlord/ILEC.

There are significant policy reasons why an ALEC cannot be permitted to perform all site readiness work for collocation. First, planning, and execution

of the plans, in the central office must be performed by the ILEC. If an ALEC is allowed to perform all site readiness work, either one ALEC must be allowed to perform all work common to all collocators or multiple ALECs would have to be allowed to attempt piece-meal work on common pieces of equipment in common areas. Either scenario is obviously not workable. If one ALEC is allowed to do the common work for the entire central office, how should that ALEC be selected? Even if all ALECs could agree on one ALEC to perform this work, who would be responsible for planning future growth, or be held accountable for failures in the equipment. Allowing a single entity other that the ILEC should perform such work would be illogical and inefficient.

Moreover, allowing multiple carriers to perform the common area work would not only significantly increase costs, e.g., duplication of effort in planning, design and construction; it would create chaos in the central office. Multiple engineers, whether working concomitantly or sequentially, preparing designs for multiple occupants with multiple contractors trying to work on one piece of machinery or one piece of duct is at best disconcerting and potentially dangerous. Whose work would take precedence? How would system and plant requirements be determined if no one has the overall responsibilities? In the event of equipment failure, how would responsibility be assigned? Indeed,

BellSouth contends that under such conditions collocation would come to a grinding halt.

Second, protection against network outages requires that BellSouth perform common work especially power plant construction of common elements. Such common elements include any portion of a power plant system that is shared or may be shared by multiple users. Examples include rectifiers, batteries, power boards, and common BDFBs. Reasons for this position include the requirement to not impede the entry of any ALEC into the marketplace and maintenance of reliability and safety standards. BellSouth routinely receives concurrent physical collocation inquiries from multiple ALECs for the same central office. Any one or combination of inquiries may trigger power capacity exhaust.

Finally, it is essential for safety reasons that one carrier perform work on power plant common elements. Multiple carriers working these elements greatly increase the possibility for improper wiring. Improperly wired systems can present serious electrical hazards. Because ILECs are the most experienced with their own power plant elements, they should be responsible for work on all common elements within the central office.

Issue 17. How should the costs of security arrangements, site preparation, collocation space reports, and other costs necessary to the provisioning of collocation space, be allocated between multiple carriers?

Q. PLEASE ADDRESS THE MANNER IN WHICH BELLSOUTH RECOVERS EACH OF THE COSTS MENTIONED IN THIS ISSUE.

A. The recovery of volume insensitive costs associated with security arrangements, site preparation, and collocation reports, i.e. those costs that do not vary with the demand, will be made in an equitable manner. The method will not penalize the first collocator, nor benefit subsequent collocators. Additionally, the costs will be allocated among all parties that benefit.

In order for BellSouth to meet the requirements of the FCC's recent Advanced Services Order (FCC 99-48, released March 31, 1999) as it relates to the provision of collocation, BellSouth will file with this Commission a cost study for security access systems and collocation space reports. BellSouth, in an effort to limit the number of elements priced on an Individual Case Basis ("ICB"), will also include several new space preparation rate elements. Brief descriptions of the rate elements associated with Security Access are as follows:

(1). The Security System rate element is a monthly charge that will be assessed per central office. It recovers the costs associated with the card reader system installed to monitor and secure the central office. Since the card reader

benefits both ALECs and BellSouth, this volume insensitive cost will be recovered over the anticipated number of collocators (BellSouth being included as part of that number) per central office.

(2). The New Access Card Activation rate element contains a nonrecurring charge, which reflects the costs associated with providing and programming the card, and a monthly recurring charge associated with system software cost. The programming is done a per card basis and thus, is volume sensitive and no allocation is required. The system software has a certain card limitation. Thus, the costs are developed based utilizing that capacity constraint. This rate element applies per new card issued.

(3). The Administrative Change, Existing Card, per Card rate element is a nonrecurring charge assessed per card, per request, to reflect the administrative cost of changing information associated with an existing card. The work activities are conducted on a per card basis. This rate element could apply under several circumstances, including but not limited to, personnel change for a card or adding access to additional central offices to a card.

(4). The Replace Lost or Stolen Card rate element is a nonrecurring charge, assessed to recover the cost of replacing a lost or stolen card and deactivating the existing card. The work activities are conducted on a per card basis.

Currently, BellSouth recovers space preparation costs on an individual case basis ("ICB"). BellSouth pro-rates the cost for space preparation on a per

square foot basis and then charges the ALEC based on the number of square feet utilized by the ALEC. Since the cost of preparing the collocation space varies by central office, the pro-rated rate per square foot varies. However, as I mentioned previously, BellSouth will file costs for some space preparation elements to give ALECs a clearer picture of their charges. At this time, BellSouth has not completed the final methods and procedures associated with the new site preparation and collocation space report rate elements. Thus, a definitive discussion of the rate elements and the cost methodology would be premature. However, BellSouth will recover volume insensitive costs in a manner that is equitable to all parties involved.

Issue 18. If insufficient space is available to satisfy the collocation request, should the ILEC be required to advise the ALEC as to what space is available?

Q. DOES BELLSOUTH PROVIDE INFORMATION REGARDING WHAT SPACE IS AVAILABLE WHERE THERE IS INSUFFICIENT SPACE AVAILABLE TO SATISFY A COLLOCATION REQUEST?

A. Yes. In the event an ALEC applies for physical collocation in a BellSouth central office where space for such collocation is exhausted or limited, BellSouth will notify the applicant of that situation and inform them of what space is available. The ALEC can then choose to either accept the space that is available; accept the space available and place the remaining amount of space it requested on the waiting list BellSouth maintains for that central office; choose not to accept the space and place its entire request on the waiting list; or

simply choose not to accept the space offered.

Issue 19. If an ILEC has been granted a waiver from the physical collocation requirements for a particular CO, and the ILEC later makes modifications that create space that would be appropriate for collocation, when should the ILEC be required to inform the Commission and any requesting ALECs of the availability of space in that office?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. When BellSouth has received an application for physical collocation in a central office that does not have space available for such collocation, BellSouth will maintain a waiting list of all ALECs that have submitted an application requesting physical collocation within that central office. When space becomes available for physical collocation in a previously exhausted central office, BellSouth will notify the ALECs that can be accommodated in the newly available, space based on the square footage each customer has requested. BellSouth will notify these ALECs a maximum of 60 days prior to the space availability date. BellSouth will inform the Commission on the space availability date that space for physical collocation has been made available. On the space availability date, BellSouth will also file with the Commission to remove the waiver from that central office.

Issue 21. Applying the FCC's "first-come, first-served" rule, if space becomes available in a central office because a waiver is denied or a modification is made,

who should be given priority?

Q. WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?

A. For central offices in which space for physical collocation has been exhausted, BellSouth maintains a waiting list that contains the ALECs and the amount of space each requested, in the order of BellSouth's receipt of each collocation application. When space for physical collocation becomes available in a central office which was previously exhausted, space is offered in a "first-come, first-right of refusal" manner. ALECs on the waiting list that can be accommodated in the newly available space based on square footage previously requested are notified of the availability of space and are requested to notify BellSouth whether the ALEC still wants the space it had initially requested. The space is then distributed in a first-come, first-served manner, based on the order in which each appears on the waiting list.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.

BellSouth Reference No.

Inquiry Receipt Date
Inquiry Issue No.

BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Exhibit JDH-2

BELLSOUTH

PHYSICAL EXPANDED INTERCONNECTION APPLICATION DOCUMENT

Important! Instructions for completion of this physical collocation application are provided in a separate document, the BSTEI-1P-A Ins. Please comply with the criteria contained in the instructions for completion of each item in this application document. For inquiry revisions, please post an asterisk * or the letter "C" in the margin by the item number and by the item that is being changed.

1. CUSTOMER INFORMATION

Company Name _____ ACNA _____

Company Address _____ City/State/Zip _____

COLLOCATION PROJECT COORDINATOR

Name _____ E-mail/Internet Address _____

Mailing Address _____ City/State/Zip _____

Telephone # _____ Pager # _____ Facsimile # _____

2. REQUESTED LOCATION

Wire Center Name _____ CLLI Code _____

Street Address _____ City/State/Zip _____

3. TYPE OF INTERCONNECTION ACTIVITY

_____ Initial arrangement installation
_____ Existing arrangement augmentation, equipment change, wiring, entrance, riser changes
_____ Existing arrangement augmentation, partial equipment disconnect and removal
_____ Existing arrangement, complete equipment disconnect and removal
_____ Conversion of existing virtual arrangement to a physical arrangement.
_____ Direct connection between collocation arrangements within this location

4. **SPACE REQUIREMENTS** – Chose option A or B. C is not available as an option except under certain circumstances. Please read the instructions carefully to determine when C may be selected. See next page for description of each type of space.
Important! BellSouth will evaluate, reserve space and respond to only one option per application.

	No	Yes	New / Add'l Sq Ft	+ Existing Sq Ft	= Total Sq Ft
4A. **Equipment Cage**					
	No	Yes			
4B. **Cageless – Conventional**			Complete Section 6.		
	No	Yes	New /Add'l Sq Ft	+ Existing Sq Ft	= Total Sq Ft
4C. **Cageless - Non-conventional**					

4A. **Equipment Cage**

Provide via attachment a proposed equipment floor plan layout, which will aid BellSouth's understanding of the space requirements for the equipment to be placed in the cage. Per FCC 99-48 inclusive contracts, the collocator is responsible for cage construction and securing all applicable construction permits. BellSouth will provide cage specifications. For pre FCC 99-48 inclusive contracts, BellSouth may construct the cage.

4B. **Cageless – Conventional** - Conventional lineup rack space requirements. Complete Section 5.

When this option is selected, BellSouth assigns floor space in conventional equipment rack lineups. If available, contiguous space will be assigned for racks of equal depth. When racks of various depths are collocated, BellSouth may assign space in multiple lineups to accommodate rack depth. Any technical requirements for adjacent placement of racks must be described below or in an attachment. Provide rack numbers and explanation of technical requirements.

_____
_____
_____
_____

4C. **Cageless - Non-conventional** - Non-conventional floor space requirements

4C is not available as an option except under certain circumstances. Please read the BSTEI-1P-A Instructions carefully to determine when 4C may be selected. The instructions provide a detailed description for cageless – non-conventional lineup space. If the equipment to be collocated cannot be placed in conventional rack lineups as described in 4B above, and cageless space is desired, this option may be requested. It is the responsibility of the collocator to determine and explain, via an attachment, the total floor space requirements (square feet) for the equipment arrangement. Floor space requirements should include equipment and aisles. The collocator is responsible for all cable rack, frame and aisle lighting and other support structure within the perimeter of the cageless floor space assigned for such an arrangement.

Provide via attachment a proposed equipment floor plan layout, which will aid BellSouth's understanding of the space requirements for the equipment. An explanation must be provided which describes the necessity for requiring a cageless non-conventional arrangement.

_____
_____
_____
_____
_____
_____

5. CAGELESS - CONVENTIONAL LINEUP REQUIREMENTS

The following sub-sections must be completed to summarize the requirements for a cageless-conventional lineup collocation arrangement:

5A. Complete this table when requesting space for new equipment or when reserving space for future equipment.

5B. Complete this table to reflect changes in the use of floor space previously assigned to a collocator. Complete 5B when installing equipment in space previously reserved, when replacing existing equipment, or when removing equipment from space that is to be reserved by the collocator for future use.

5C. Complete this table when space is being released either by removal of existing equipment, or by releasing space previously reserved for future use.

Standard Rack height for cageless arrangements is 7'0". BellSouth may assign space in equipment areas configured for 9'0" or 11'6" relay racks. If space is assigned in such areas the collocator must install matching height racks or rack extenders for use with 7'0" racks. To avoid requirements for ladder access, the maximum working equipment height in these areas is 7'0".

5A. **New cageless (conventional lineup) space requirements**: Complete this table when requesting space for new equipment or when reserving space for future equipment. Please group racks by depth. Duplicate this page as required to reflect all new space requirements.

1	2	3	4	5	6	7
Complete Col. 1 or 2		**Rack Depth**	**Rack Width**	**Spacer Width**	**Rack + Spacer Width (Col. 4 + Col. 5)**	**Lineup Space** Subtotal Col. 6 for all racks of equal depth
Rack # (from Sec. 6)	**Future Space** (√)	Inches	Inches	Inches	Inches	ft./ in

5. **CAGELESS REQUIREMENTS** continued from page 3.

5B. **Changes in use of existing space**: Complete this table to reflect changes in the use of space previously assigned. Please group racks by depth. Use this table to reflect the installation of equipment in space previously reserved, replacement of existing equipment, or removal of equipment from space that is to be reserved for future use. Duplicate this table as required.

1	2	3	4	5	6A	6B	6C	7
Rack # (from Sec. 6)	**Rack Depth** Inches	**Rack Width** Inches	**Spacer Width** Inches	**Rack + Spacer Width Col. 3 + Col. 4** Inches	**Check (√) Column 6A, 6B, or 6C**			**Relay Rack Location**
					Add rack to reserved space	**Replace existing equipment**	**Remove rack & retain space**	

5C. **Space to be vacated**: Use this table to reflect all cageless space to be released either by removal of existing equipment, or by releasing space previously reserved for future use. Duplicate this table as required.

1	2	3	4
Current use of Space check (√) Col. 1 or 2		**Rack #** (from Sec. 6 if currently equipped with rack)	**Relay Rack Location**
Equipped with Rack (√)	Reserved for future use (√)		Provide relay rack location of space to be vacated

Section 5 Notes:

1. A maximum of two year's growth space may be reserved.
2. No part of any apparatus attached to the rack shall extend horizontally beyond the front or rear edges of the front and rear base or guardrail of the rack. Guardrail extenders should be provided if required. Rack depth is measured between the leading edges of the front and rear base or guardrails. In table 5A, please subtotal rack and spacer lineup requirements for groups of equal depth racks.
3. Specify actual width of rack, not the mounting plate width.

6. EQUIPMENT TO BE INSTALLED OR REMOVED

Complete columns 1 though 11 for all equipment to be installed or removed. Duplicate this table as required.

1	2	3	4	5	6	7	8		9		10		11
Rack No. (A)	Vendor/Manufacturer & Contact Number	Model No.	Description	Existing Quantity	Add + Remove -	Total Quantity	Heat Dissipation (Watts)		-48V DC Power Reqmts (Amps)				NEBS Yes/No (B)
									List 1 (Nominal)		List 2 (Worse Case)		
							Unit	Total	Unit	Total	Unit	Total	
Page Sub-total													
Total Installed Eqpt (all pages)													

A: Show rack number on the attached floor plan layout. To reserve rack space list rack number(s) and write "Reserved" in the Description column.

B: Does this equipment meet the following Bell Communications Research Network Equipment-Building Systems (NEBS) requirements?

- Criteria Level 1 requirements as outlined in the Bellcore (Telcordia) Special Report SR-3580, Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79.
- Acoustic noise per GR-063-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

Enter a YES or NO. If NO, attach a separate document listing specific explanations for each equipment type and reasons for NEBS and/or National Electric Code noncompliance.

7. -48V POWER AND GROUNDING

Indicate which of the following apply:

_____ Power requirements for initial installation.
_____ Additional power requirements for an existing arrangement augmentation.
_____ Arrangement augmentation, no additional power required.

Completion of this section is required if -48V telecommunications equipment power is to be provided by BST. *Refer to BSTEI-1P-A Instructions for a complete description of available power options and responsibilities.*

7A. Does any of this equipment require an isolated ground plane and associated power supply grounding as described in Bellcore (Telcordia) Technical Reference TR-NWT-000295 (a.k.a. TR-295) and BellSouth Engineering and Installation Standards for Central Office Equipment TR-73503?
7A1. Yes_____ No_____ If yes, complete section 7B.

Will any of this equipment be installed (and grounded) as part of the building integrated ground plane (i.e. not part of an isolated ground plane)?

7A2. Yes_____ No_____ If yes, complete section 7C.

7B. –48V DC Power for Equipment Installed as Part of an Isolated Ground Plane

Specify the quantity of BST provided isolated ground –48V DC breakers. BST will always provide redundant "A" and "B" breaker pairs. Order in multiples of two, i.e., for each "A" and "B" breaker pair order two breakers. All breakers are rated at 225 amps.

Existing	Additional	Total	Terminating BDFB/PDF Rack No. per collocator provided equipment layout

7C. –48V DC Power for Equipment installed as Part of the Building Integrated Ground Plane

Collocator may provide or request BST to provide Battery Distribution Fuse Bay, Power Distribution Frame, or similar power distribution equipment for distributing power to integrated ground equipment.

7. **-48V POWER AND GROUNDING** continued from page 6.

7C1. **Collocator Provided BDFB/PDF**

If collocator will provide BDFB/PDF, specify the quantity of the BST provided integrated ground – 48V DC breakers. BST will always provide redundant "A" and "B" breaker pairs. Order in multiples of two, i.e., for each "A" and "B" breaker pair order two breakers. All breakers are rated at 225 amps.

Existing	Additional	Total	Terminating BDFB/PDF Rack No. per collocator provided equipment layout

7C2. **BellSouth Provided BDFB or Miscellaneous Power Board Fuse Positions**

Complete the following table for all fuse positions to be provided by BST.
Note: Fuses must be engineered, reserved and provided by the Collocator's certified vendor.

BST Provided BDFB Fuse Position Quantity						Protection Device Rating (amperes)
Existing		Additional		Total		
A Load	B Load	A Load	B Load	A Load	B Load	
						(Max 60 amps)

7D. **Framework Ground**

BST will provide an interconnection point (ground bar or ground cable extension) for connecting the Collocator provided equipment framework ground to the building principal ground. Refer to BSTEI-1P-A for details. The Collocator will be responsible for extending a single framework ground connection from the Caged or Non-conventional cageless arrangement to the BellSouth provided bar. In cageless arrangements the Collocator will be responsible for connecting framework ground conductors to the lineup grounding conductor. Specific grounding arrangements should be clarified during the BellSouth-Collocator coordination meetings.

8. DIRECT CONNECTION – CO-CARRIER CROSS CONNECTS

If covered in the collocation agreement, collocation arrangements may be directly interconnected without using BST cross connect facilities.

Do you request a direct connection between non-contiguous collocation arrangement(s) in this location? Yes _____ No _____

If yes, for each direct connection provide the following information:

- Identity of ownership of the equipment at each end of the connection
- Equipment rack locations at each end of the connection
- Type of service (DS0, DS1, DS3, Fiber)
- Copper or fiber cable and number of conductors
- If fiber, specify fiber building cable or patchcord.

Direct Connection – Co-Carrier Cross Connects				
Ownership	Collocator A – Name, ACNA		Collocator B – Name, ACNA	
Equipment Rack Location				
Type of Service	**DS0**	**DS1**	**DS3**	**Fiber**
Check all that apply				
Type of Cable	Building or Patchcord?	Outside Diameter	Number of Pairs/Fibers	Weight
Fiber				
Copper				

9. CABLE FACILITIES

Indicate the quantity for each type of cable to be installed.

Type of Cable	Number of Cables	Note
Fiber Entrance		Complete 10A
Fiber Riser		Complete 10B
Microwave Radio - Coax		Complete 10C
Microwave Radio - Waveguide		Complete 10D

For Microwave Radio entrance facilities, indicate the type of contract applicable for your microwave antenna.

_____ Crown Antenna Mount Program
_____ Microwave Collocation
_____ Other (Check "Other" if your microwave antenna will not be located on BellSouth property.)

10. **CABLE INFORMATION – FIBER**

Collocator provided & owned fiber entrance facilities Yes _____ No _____
Multiple entry points requested Yes _____ Number _____ No ____

10A. Complete the table below for each fiber entrance cable to be installed or removed.

_____ Add fiber entrance cable(s) for initial installation.
_____ Add fiber entrance cable(s) to existing arrangement.
_____ Fiber entrance cable not required for this application.
_____ Fiber entrance cable to be removed.

Cable Description	Outside Diameter (in.)	Number of Fibers	Weight (lb/kft)	Sheath Type Metallic/Dielectric	Cable Tensile Load (lb/f)

Note 1: Outside plant cable must meet the requirements in Bellcore GR-20-CORE or TR-NWT-000020.

Note 2: If multiple entry is requested, please show each cable on the fiber entrance cable table. Multiple entry availability will be provided in response to an application.

10B. Complete the table below for each fiber riser cable to be installed or removed.

_____ Add fiber riser cable(s) for initial installation.
_____ Add fiber riser cable(s) to existing arrangement.
_____ Fiber riser cable not required for this application.
_____ Fiber riser cable to be removed.

Cable Description	Outside Diameter (in.)	Number of Fibers	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
				Dielectric	
				Dielectric	
				Dielectric	

Note 1: Dielectric, fire retardant riser rated cable should be provided. Riser cable must meet the requirements in Bellcore (Telcordia) GR-409-CORE.

Note 2: If multiple entry is requested, please show each cable on the riser cable table. Multiple entry availability will be provided in response to an application.

Note 3: Abandoned/disconnected fiber riser cable must be removed by the collocator's certified vendor at the time the associated equipment is removed.

Note 4: If this application is for a subsequent collocation arrangement in a central office, additional riser cables may be required if the placement of the equipment for the subsequent order is not contiguous with the existing arrangements. BellSouth will notify the collocator on the inquiry response if additional riser cables are required.

10. CABLE INFORMATION – MICROWAVE RADIO

Collocator provided and owned microwave entrance facilities Yes _____ No _____

10C. Complete the table below for microwave coax cable to be installed or removed.

_____ Add coax cable(s) for initial installation.
_____ Add coax cable(s) to existing arrangement.
_____ Coax cable not required for this application.
_____ Coax cable to be removed.

Cable Description	Outside Diameter (in.)	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
			Metallic	

10D. Complete the table below for microwave waveguide cable to be installed or removed.

_____ Add waveguide cable(s) for initial installation.
_____ Add waveguide cable(s) to existing arrangement.
_____ Waveguide cable not required for this application.
_____ Waveguide cable to be removed.

Waveguide Description	Dimensions	Shape	Weight (lb/kft)	Waveguide Tensile Load

11. **SHARED SPACE – Caged physical collocation only.** This is available via FCC 99-48 inclusive contracts only.

Provide the name and ACNA for any telecommunications provider to be sharing the enclosure.

Guest Company Name _____ ACNA _____

Guest Company Name _____ ACNA _____

12. **EQUIPMENT WIRING REQUIREMENTS**

_____ Initial installation for Collocator (Host)
_____ Equipment addition for Collocator (Host)
_____ Equipment addition for Collocator Guest _____ Guest ACNA
_____ Wiring Change for Collocator (Host)
_____ Wiring Change for Collocator Guest _____ Guest ACNA

Complete the table below for additions and removals. Duplicate table if necessary.

12A. **Additions**: Enter the number of DS0 2 wire, DS1, DS3, and/or fiber lowspeed equipment ports that will be wired to a POT bay or directly to the BST DSX, LGX or frame.

12B. **Removals**: Indicate the type and quantity of the circuits to be disconnected. For all removals, attach a cable and pair and/or T1TIE/T3TIE/fiber inventory identifying the specific connections to be disconnected.

* POT Connections			DSX, LGX and/or Frame Connections		
A. Additions	Collocator	Guest	**A. Additions**	Collocator	Guest
	Quantity of:	Quantity of:		Quantity of:	Quantity of:
DS0 2 wire			DS0 2 wire		
DS1			DS1		
DS3			DS3		
Fiber			Fiber		
B. Removals	Collocator	Guest	**B. Removals**	Collocator	Guest
	Quantity of:	Quantity of:		Quantity of:	Quantity of:
DS0 2 wire			DS0 2 wire		
DS1			DS1		
DS3			DS3		
Fiber			Fiber		

* POT refers to the BellSouth or Collocator provided Point of Termination, which were provisioned prior to 6/1/99. Future POT bay installations by BellSouth will be governed by the Collocation Agreement. When POT bays are not provided BellSouth will allow direct cabling of collocated equipment to the BellSouth DSX, LGX and DF.

13. **CONTACT INFORMATION**

	Name	Telephone Number	Facsimile Number	Pager Number	Email/Internet Address
Equipment Wiring					
Technical					
Local Coordinator					
Building Access					

14. **BILLING INFORMATION**

BAN (Billing Account Number - Provided by BellSouth)

_____

Billing Name _____
(Indicate the legal business name as it should appear on the monthly billing statement.)

Bill Department/Title _____

Bill Address _____ City/State/Zip _____

Billing Contact Name _____

Address _____

Telephone Number _____ Facsimile Number _____

List Billing Account Number(s) for other BellSouth communication service(s)

_____

15. **ATTACHMENTS** List attachments and the number of pages for each attachment. For (4A) equipment cage, a floor plan indicating rack layout within the cage should be provided. For (4B) cageless-conventional and (4C) cageless non-conventional arrangements, collocator must provide preferred rack equipment drawings for the floor plan layout.

Attachment 1: _____

Attachment 2: _____

Attachment 3: _____

Attachment 4: _____

Remarks: _____

_____

16. **TECHNICAL COMPLIANCE**

Applicant certifies that equipment is in compliance with the following industry standards:

- Criteria Level 1 requirements as outlined in the Bellcore (Telcordia) Special Report SR-3580 Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-63-CORE, Section 4, Criteria 77 - 79.
- Acoustic noise per GR-63-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

I hereby certify that the equipment listed on page 5 in this document meet the industry standards for safety and compatibility. For equipment which is noncompliant, attached is documentation describing the equipment, including exceptions or deviations from the above standards.

Signature _____ Date _____

Print Name
_____Title_____

Company _____

Use of Space in Central Offices

From time to time BellSouth may require access to space occupied by collocator. BellSouth retains the right to access such space for the purpose of making equipment and building modifications, e.g., running, altering or removing racking; ducts; electrical wiring; HVAC; and cables. BellSouth will give reasonable notice to collocator when access to collocation space is required and collocator may elect to be present whenever BellSouth performs work in the collocation space. It is agreed that collocator will not bear any of the expense associated with this work.

Please comply with the criteria contained in the instructions for completion of each item in the application document.

For inquiry revisions, please post an asterisk * or the letter "C" in the margin by the item number and by item that is being changed.

The Application Document (BSTEI-1P-A), appropriate fee(s), and required technical documentation should be mailed to:

BellSouth Telecommunications, Inc.
Collocation Coordinator

(Contact your BellSouth Account Executive for the name and address for your company's Collocation Coordinator.)

Make checks payable to: BellSouth

BellSouth Reference Number - This reference number is provided by BellSouth to the collocator on the inquiry response, and must be included in future references to this Physical Expanded Interconnection arrangement project.

Inquiry Receipt Date - BellSouth enters the date when the application fee, and a bona fide BSTEI-1P-A are received.

Inquiry Issue Number - The initial inquiry will be numbered issue 1. The first revision will be numbered issue 2. Subsequent revisions will be sequentially numbered. All changes to Issue 1 of a collocation inquiry must be documented on a revised BSTEI-1P-A and re-submitted to BellSouth. The inquiry response interval will apply to each revision submitted. (See Section 6.2 of the Physical Collocation contract for interval information.) All changes submitted must be clearly marked on the application document either by indicating an asterisk * or the letter "C" in the margin by the item number and by item that is being changed.

1. **CUSTOMER INFORMATION**

   Enter the legal business name and address of your company. Enter the Bellcore-assigned Access Customer Name Abbreviation (ACNA). (Contact your BellSouth Account Team for assistance.) COLLOCATION PROJECT COORDINATOR: Enter the name, e-mail/Internet address, mailing address, telephone number, pager number and facsimile number of the person who will be the primary coordinator for this collocation arrangement project.

2. **REQUESTED LOCATION**

   Enter the requested location by wire center name, the first eight characters of the Common Language Location Identification Code (CLLI), street address, city, state, and zip code. (Refer to NECA Tariff FCC No. 4.)

3. **TYPE OF INTERCONNECTION ACTIVITY**

Indicate the type of interconnection activity being ordered on this application.

Initial arrangement installation: This is the initial arrangement installation at this location. A fee must be submitted.

Existing arrangement augmentation, equipment change, wiring, entrance, riser changes: Your company has an existing EIS arrangement in this location and desires to add, replace or remove equipment, and/or modify wiring and or add, replace or remove entrance or riser cable. A fee must be submitted.

Existing arrangement augmentation, partial equipment disconnect and removal: Your company has an existing EIS arrangement in this location and desires to disconnect and remove some equipment and/or cable (owned by your company.)

Existing arrangement, complete equipment disconnect and removal: Your company has an existing EIS arrangement in this location and desires to disconnect and remove all equipment and cable (owned by your company.)

Conversion of existing virtual arrangement to a physical arrangement: Your company has an existing virtual collocation arrangement in this location that you want to convert to a physical collocation arrangement. Note: Relocation of virtually collocated equipment will be evaluated on a case by case basis. A fee must be submitted.

Direct connection of collocation arrangements within this location: This applies to the interconnection of two collocation arrangements occupying non-contiguous space. If covered in the collocation agreement, collocation arrangements may be directly interconnected without using BST cross connect facilities. Complete item 8. A fee must be submitted.

4. **SPACE REQUIREMENTS**

Chose option A or B. C is not available as an option except under certain circumstances. Please read the instructions carefully to determine when C may be selected. See below for a description of each type of space.

Important! BellSouth will evaluate, reserve space and respond to only one option per application.

4A. **Equipment Cage**

Complete the table. Indicate "Yes" if you have an existing cage or enclosure, or if you request construction of a new cage. Provide the "New Square Feet" if you plan construction of a new cage. Provide the additional square footage if you would like to add to an existing cage or establish another caged arrangement at this location. Provide the existing square footage if you have an existing cage. Cage expansions will be limited to locations where space adjacent to the existing cage is available. Add the new/additional square feet plus the existing square feet to determine the "Total Square feet" for the contiguous cage space requested.

4A. **Equipment Cage** continued from page 2.

Per FCC 99-48 inclusive contracts, the collocator is responsible for cage construction and securing all applicable permits for construction. In response to an Inquiry, BellSouth will provide cage specifications and a list of BellSouth certified contractors for cage construction. For pre FCC 99-48 inclusive contracts, BellSouth may construct the cage. Provide via attachment a proposed equipment floor plan

layout, which will aid BellSouth's understanding of the space requirements for the equipment to be placed in the cage. The collocator is responsible for all cable support structure and equipment lighting within the cage.

4B. **Cageless - Conventional** - Conventional lineup rack space requirements.

Complete the table. Indicate "Yes" if you have an existing cageless arrangement, or if you are requesting a new cageless arrangement. Complete Section 5.

When this option is selected BellSouth will assign floor space in conventional equipment rack lineups. If available, contiguous space will be assigned for racks of equal depth. When racks of various depths are collocated BellSouth may assign space in multiple lineups to accommodate rack depth. BellSouth will precondition such space with bar or ladder type lineup cable rack, via or feeder cable rack as required, equipment lighting and overhead framework ground conductors. This space will be configured to support equipment racks that can be grounded through the building integrated ground plane.

The collocator is responsible for the installation of the collocated equipment and all associated transmission and power cabling.

Technical requirements for adjacent placement of racks must be described. Provide rack numbers and explanation of technical requirements for adjacent placement.

4C. **Cageless - Non-conventional** – Non-conventional floor space requirements.

4C is not available as an option except under certain circumstances. If the equipment to be collocated **cannot** be placed in Cageless - Conventional rack lineups as described in 4B above, and cageless space is desired, this option may be requested. Requirements that may prevent the placement of equipment in Cageless- Conventional lineups may include special cable racking or isolated grounding, as required with many switching systems.

Complete the table. Indicate "Yes" if you have an existing non-conventional arrangement, or if you are requesting a new non-conventional arrangement. Provide the "New Square Feet" if this is the initial request for non-conventional space in this central office. Provide the additional square footage if you would like to add to an existing non-conventional arrangement or establish another non-conventional arrangement at this location. Provide the existing square feet if you have an existing non-conventional arrangement in this central office. Expansion of existing non-conventional space will be limited to locations where space adjacent to the existing arrangement is available. Add the new/additional square feet plus the existing
square feet to determine the "Total Square feet" for the non-conventional space requested. Provide an explanation of special support structure requirements.

4C. **Cageless - Non-conventional** – continued from page 3.

It is the responsibility of the Collocator to determine and explain the total floor space requirements (square feet) for the equipment arrangement (including equipment and aisles). The Collocator is responsible for all cable rack, frame and aisle lighting and other support structure within the perimeter of the floor space assigned for such arrangements. Provide via attachment a proposed equipment floor plan layout, which will aid BellSouth's understanding of the space requirements for the equipment. An explanation must be included which describes the necessity for this option.

5. **CAGELESS – CONVENTIONAL LINEUP REQUIREMENTS**

Standard Rack height for cageless arrangements is 7'0". BellSouth may assign space in equipment areas configured for 9'0" or 11'6" relay racks. If space is assigned in such areas the collocator must install matching height racks or rack extenders for use with 7'0" racks. To avoid requirements for ladder access, the maximum working equipment height in these areas is 7'0".

The following sub-sections must be completed to summarize the requirements for a cageless – conventional lineup collocation arrangement.

5A. Complete this section when requesting space for new equipment or when reserving space for future equipment. Space requested in this table will be used to establish billable floor space assigned for collocation use.

1	2	3	4	5	6	7
Complete Col. 1 or 2		**Rack Depth**	**Rack Width**	**Spacer Width**	**Rack + Spacer Width (Col. 4 + Col. 5)**	**Lineup Space** Subtotal Col. 6 for all racks of equal depth
Rack # (from Sec. 6)	**Future Space** (√)	Inches	Inches	Inches	Inches	ft./ in

Rack # – Provide the Rack Number from the Section 6 Equipment Table for all racks being installed or removed.
Future Space - Check this column when reserving rack space for future growth. Space for a maximum of two year's growth may be reserved
Rack Depth - No part of any apparatus attached to the rack shall extend horizontally beyond the front or rear edges of the front and rear base or guardrail of the rack. Guardrail extenders should be provided if required. Rack depth is measured between the leading edges of the front and rear guardrails. Please subtotal rack and spacer lineup requirements for groups of equal depth racks.
Rack Width - Specify actual width of rack, not the mounting plate width.
Spacer Width - Specify width of any spacers to be installed.
Rack + Spacer width - Sum requirements for each rack.
Lineup Space - Subtotal rack and spacer widths for all racks of equal depth.

5. **CAGELESS – CONVENTIONAL LINEUP REQUIREMENTS** continued from page 4.

5B. Complete this table to reflect changes in the use of floor space previously assigned to a collocator. Complete 5B when installing equipment in space previously reserved, when replacing existing equipment, or when removing equipment from space that is to be reserved by the collocator for future use. Equipment additions reflected in this section will not affect billable floor space.

1	2	3	4	5	6A	6B	6C	7
Rack # (from Sec. 6)	**Rack Depth** Inches	**Rack Width** Inches	**Spacer Width** Inches	**Rack + Spacer Width Col. 3 + Col. 4** Inches	**Check (√) Column 6A, 6B, or 6C**			**Relay Rack Location**
					Add rack to reserved space	**Replace existing equipment**	**Remove rack & retain space**	

Rack # – Provide the Rack Number from the Section 6 Equipment Table for all racks being installed or removed.
Rack Depth - No part of any apparatus attached to the rack shall extend horizontally beyond the front or rear edges of the front and rear base or guardrail of the rack. Guardrail extenders should be provided if required. Rack depth is measured between the leading edges of the front and rear guardrails. Please subtotal rack and spacer lineup requirements for groups of equal depth racks.
Rack Width - Specify actual width of rack, not the mounting plate width.
Spacer Width - Specify width of any spacers to be installed.
Rack + Spacer width - Sum requirements for each rack.
Relay Rack Location - Provide relay rack location.

5C. Complete this section when space is being released either by removal of existing equipment, or by releasing space previously reserved for future use. The amount of billable floor space assigned for collocation use will be reduced based upon information provided in this section. Complete this table for either total or partial space release.

1	2	3	4
Current use of Space check (√) Col. 1 or 2		**Rack #** (from Sec. 6 if currently equipped with rack)	**Relay Rack Location**
Equipped with Rack (√)	Reserved for future use (√)		Provide relay rack location of space to be vacated

Rack # – Provide the Rack Number from the Section 6 Equipment Table for all racks being installed or removed.
Relay Rack Location - Provide relay rack location.

6. EQUIPMENT TO BE INSTALLED OR REMOVED

Complete columns 1 though 11. Include all equipment to be installed or removed. Duplicate this table as required. Include all equipment that is required to support multiple fiber cable entrances, as applicable. The equipment listed must be shown on an attached rack layout.

1. **Rack No.** - Enter the rack number as shown on an attached proposed floor plan layout.
2. **Vendor/Manufacturer & Contact Number** - Enter the vendor's name and telephone number.
3. **Model Number** - Enter the model number of the equipment.
4. **Description** - Enter the functional description of the equipment.
5. **Existing Quantity** - Enter the quantity of the equipment currently installed.
6. **Add** (+) - Enter the quantity to be installed. **Remove** (-) - Enter the quantity to be removed.
7. **Total Quantity** - Enter the total quantity remaining after the addition/removal.
8. **Heat Dissipation (Watts)** - Enter the heat dissipation in watts per unit and for the total quantity of units. The sum of the "Total" column should reflect the total heat release for all collocated equipment.
9. **List 1 (Nominal) -48 V DC Power Requirements (AMPS)** - Enter in AMPs the -48V List 1 power requirements per unit and for the total quantity of units. The sum of the "Total" column should reflect the total List 1 power requirements of all collocated equipment.
10. **List 2 (Worst Case) -48 V DC Power Requirements (AMPS)** - Enter in AMPs the -48V List 2 power requirements per unit and for the total quantity of units. The sum of the "Total" column should reflect the total List 2 power requirements of all collocated equipment.
11. **NEBS Yes/No** - Does this equipment meet the following Bell Communications Research Network Equipment-Building Systems (NEBS) requirements?
    - Criteria Level 1 requirements as outlined in the Bellcore (Telcordia) Special Report SR-3580, Issue 1.
    - Equipment design spatial requirements per GR-63-CORE, Section 2.
    - Thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79.
    - Acoustic noise per GR-063-CORE, Section 4, Criterion 128.
    - Applicable National Electric Code requirements.

    Enter a YES or NO. If NO, attach a separate document listing specific explanations for each equipment type and reasons for NEBS and/or National Electric Code noncompliance.

Page Sub-total - Provide the page total heat dissipation, List 1 and List 2 –48V DC power requirements.

Total Installed Eqpt - Provide the total heat dissipation, List 1 and List 2 –48V DC power requirements for all collocated equipment. This total may be listed on the last page of a multi-page equipment list.

7. **-48V POWER AND GROUNDING**

Indicate by a √ which of the following apply:

Power requirements for initial installation.
Additional power requirements for an existing arrangement augmentation.
Arrangement augmentation, no additional power required.

Completion of this section is required if -48V telecommunications equipment power is to be provided by BST. Power plant construction requirements and costs will be based upon the information provided. BellSouth can provide -48V DC power configured to serve equipment installed as part an isolated single point ground or as part of the building integrated ground plane. Isolated ground power options are addressed in section 7B. Integrated ground power options are addressed in section 7C.

It is recommended that all collocated equipment arrangements be configured with a power disconnect capability, either internal to the equipment frame or via a collocator provided fuse panel. If no power disconnect is provided, a request will have to be submitted to BellSouth to disconnect power at the BellSouth provided fuse or circuit breaker whenever power must be removed from the equipment.

BellSouth and Collocator responsibilities are outlined in the following sub-sections.

7A. Completion of this section is required to identify whether the collocated equipment will require an isolated ground plane and associated power supply grounding as described in Bellcore (Telcordia) Technical Reference TR-NWT-000295 (a.k.a. TR-295) and BellSouth Engineering and Installation Standards for Central Office Equipment TR-73503. The answer to both 7A1 and 7A2 cannot be "No". Any equipment not part of an isolated ground plane is by default part of the integrated ground plane.

7B. **-48V DC Power for Equipment Installed as Part of an <u>Isolated</u> Ground Plane**

If equipment requires a TR-00295 compliant isolated ground plane, the collocator **must** provide Battery Distribution Fuse Bay, Power Distribution Frame, or similar power distribution equipment for distributing power to the equipment to be installed on the isolated ground plane. This BDFB/PDF must be dedicated to the isolated ground equipment only. If integrated ground equipment is also installed it must utilize one of the power options described in section 7C.

Specify the quantity of BST provided isolated ground –48V DC circuit breakers. BST will always provide redundant "A" and "B" circuit breaker pairs. Order in multiples of two, i.e., for each "A" and "B" breaker pair order two circuit breakers. All circuit breakers are rated at 225 amps.

BellSouth responsibilities:

- ground window
- power feeder cable support structure between the BellSouth power board and the collocated equipment or equipment cage (i.e. cable rack that will be shared by multiple parties).
- circuit breaker protection device(s)

7. **-48V POWER AND GROUNDING** continued from page 7.

7B. Collocator responsibilities:

- Power cable support structure within a collocation equipment cage or collocator requested non-conventional cageless collocation area (refer to Sections 4 for a description of non-conventional collocation space.)
- Terminating power feeder cables at collocator provided BDFB/PDF

BellSouth or Collocator Responsibilities as determined by current Collocation Agreement or local negotiation:

- Furnish, engineer and install power cable feeders

Note: A certified power vendor must be used to engineer and install power feeder cable from a BST power board to a collocator provided BDFB/PDF. Specific Installation activities restricted to a certified power vendor includes placement of the cable in the cable support structure and termination of the cable at the BST power board. The certified power vendor must follow all applicable BST engineering and installation standards, including use of detail MOPs for power work and fuse / circuit breaker assignments. Connections to the ground window must follow TR-295.

7C. **-48V DC Power for Equipment installed as Part of the Building Integrated Ground Plane**

Collocator may provide or request BellSouth to provide Battery Distribution Fuse Bay, Power Distribution Frame, or similar power distribution equipment for distributing power to integrated ground equipment.

7C1. **Collocator Provided BDFB/PDF**

If collocator will provide BDFB/PDF, specify the quantity of the BST provided integrated ground –48V DC circuit breakers. BST will always provide redundant "A" and "B" breaker pairs. Order in multiples of two, i.e., for each "A" and "B" circuit breaker pair order two circuit breakers. All circuit breakers are rated at 225 amps.

BellSouth responsibilities:

- power feeder cable support structure between the BST power board and the collocated equipment or equipment cage (i.e. cable rack that will be shared by multiple parties).
- circuit breaker protection device(s)

Collocator responsibilities:

- power cable support structure within a collocation equipment cage or collocator requested non-conventional collocation area (refer to Sections 5 and 6 for a description of non-conventional collocation space).
- terminating power feeder cables at collocator provided BDFB/PDF

7C1. **Collocator Provided BDFB/PDF** continued from page 8.

BellSouth or Collocator Responsibilities as determined by current Collocation Agreement or local negotiation:

- Furnish, engineer and install power cable feeders

Note: A certified power vendor must be used to engineer and install power feeder cable from a BST power board to a collocator provided BDFB/PDF. Specific Installation activities restricted to a certified power vendor include placement of the cable in the cable support structure and termination of the cable at the BST power board. The certified power vendor must follow all applicable BST engineering and installation standards, including use of detail MOPs for power work and fuse / circuit breaker assignments. Connections to the ground window must follow TR-295.

7C2. **BellSouth Provided BDFB or Miscellaneous Power Board Fuse Positions**

BellSouth will provide fuse positions as requested.

BellSouth responsibilities:

- BDFB or miscellaneous Power Board fuse positions
- Power distribution cable support structure between the BellSouth BDFB/power board and the collocated equipment or equipment cage (i.e. cable rack that will be shared by multiple parties).

Collocator responsibilities: (to be engineered and installed by BellSouth certified vendor)

- Power cable support structure within a collocation equipment cage or collocator requested non-conventional collocation area (refer to Sections 4 and 5 for a description of non-conventional collocation space).
- Appropriately sized and rated protection devices (fuses) per TR-73503
- Appropriately sized power distribution cables per TR-73503
- Terminating the distribution cable at both ends (the collocated equipment and the BellSouth BDFB).

Note: Any certified vendor may be used to terminate distribution cable on a BellSouth BDFB. The certified vendor must follow all applicable BellSouth engineering and installation standards, including use of detail MOPs (Method of Procedures) for power work and fuse assignments.

The maximum rating for a protection device to be placed in a BellSouth provided BDFB or power board miscellaneous fuse position is 60 amps. Typical sizes are 10, 15, 30, 45 and 60 amps. Protection devices should be sized at 1.5 times the maximum load. Quantities should be specified in multiples of 2 for 1 "A" and 1 "B" fuse position. Whenever possible, TPS type fuses should be provided.

7D. **Framework Ground**

BellSouth will provide an interconnection point (ground bar or ground cable extension) for connecting the collocator provided equipment framework ground to the building principal ground. The collocator will be responsible for extending a single framework ground connection from the Caged or Non-conventional cageless arrangement to the BellSouth provided bar or cable extension. In cageless arrangements the collocator will be responsible for connecting framework ground conductors to the lineup grounding conductor.

If a collocator requests an isolated ground plane, the collocator's certified vendor will be responsible for engineering and installing framework grounds from the equipment to the BellSouth provided ground window. The isolated ground plane must be established and all connections to the ground window must be compliant with TR-295.

Specific grounding arrangements should be clarified during the BellSouth-collocator coordination meetings.

8. **DIRECT CONNECTION – CO-CARRIER CROSS CONNECTS**

If covered in the collocation agreement, collocation arrangements may be directly interconnected without using BST cross connect facilities. Indicate if you plan to directly connect between non-contiguous collocation arrangement(s) in this location

If yes, for each direct connection provide the following information on the table:

- Identify the ownership of the equipment at each end of the connection
- Equipment rack locations at each end of the connection
- Type of service (DS0, DS1, DS3, Fiber)
- Copper or fiber cable and number of conductors
- If fiber, specify fiber building cable or patchcord.

Direct Connection – Co-Carrier Cross Connects				
Ownership	Collocator A – Name, ACNA		Collocator B – Name, ACNA	
Equipment Rack Location				
Type of Service	**DS0**	**DS1**	**DS3**	**Fiber**
Check all that apply				
Type of Cable	Building or Patchcord?	Outside Diameter	Number of Pairs/Fibers	Weight
Fiber				
Copper				

BellSouth will provide cable support structure, if feasible, for the interconnection of two collocation arrangements occupying non-contiguous space. Direct connections and the required support structure between collocation arrangements occupying contiguous space are the responsibility of the Collocators occupying the space,

9. **CABLE FACILITIES**

Indicate the quantity for each type of cable to be installed.

Type of Cable	Number of Cables	Note
Fiber Entrance		Complete 10A
Fiber Riser		Complete 10B
Microwave Radio - Coax		Complete 10C
Microwave Radio - Waveguide		Complete 10D

For Microwave Radio entrance facilities, indicate the type of contract applicable for your microwave antenna: Crown Antenna Mount Program or Microwave Collocation. A Microwave collocation application must accompany your request for physical collocation if Microwave Collocation is your choice for provisioning of outside microwave facilities.
Check "Other" if your microwave antenna will not be located on BellSouth property.

10. **CABLE INFORMATION - FIBER**

Indicate if you plan to provide and own fiber entrance facilities or if you plan to use BellSouth's fiber entrance facilities. **Expanded interconnection** allows for private fiber entrance facilities and equipment that are owned by third parties to be placed in the location and interconnected to BellSouth's tariffed services via cross-connects. **Service Interconnection** allows equipment owned by third parties to be placed in the location and interconnected to BellSouth tariff services without the use of private fiber entrance facilities. Indicate if you are interested in multiple entry points. If yes, indicate the number of entry points being requested.

10. **CABLE INFORMATION – FIBER** continued from page 11.

10A. Complete the table for each fiber entrance cable to be installed or removed. An example is provided.

Check "Fiber entrance cable(s) for initial installation" if this is the initial application for this location. Check "Add fiber entrance cable(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional fiber entrance cable(s) on this application. For "Add fiber entrance cable", show only the new fiber entrance cable(s) to be added on the table below. Check "Fiber entrance cable(s) not required for this application" if fiber entrance cable(s) are not required. Check "Fiber entrance cable to be removed" if the cable is being abandoned or disconnected.

Cable description - Enter the alphanumeric description.
Outside diameter - Enter the outside diameter of the cable measured in inches.
Number of fibers - Enter the number of fibers contained in the cable.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Sheath Type - Enter the sheath type for each cable.
Cable Tensile Load - Enter the Cable Tensile Load.

Cable Description	Outside diameter (in.)	Number of Fibers	Weight (lb/kft)	Sheath Type Metallic/Dielectric	Cable Tensile Load (lb/f)
AT34Q2MT-024	0.7	24 pair	400	Dielectric	600

Note 1: Outside plant cable must meet the requirements in Bellcore (Telcordia) GR-20-CORE or TR-NWT-000020.
Note 2: If multiple entry is requested, please show each cable on the fiber entrance cable table. Multiple entry availability will be provided in response to an application.

10. **CABLE INFORMATION - FIBER** continued from page 12.

10B. Complete the table for each fiber riser cable to be installed or removed. An example is provided.

Check "Fiber riser cable(s) for initial installation" if this is the initial application for this location. Check "Add fiber riser cable(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional fiber riser cable(s) on this application. (See note 3 below.) For "Add fiber riser cable", show only the new fiber riser cable(s) to be added on the table below. Check "Fiber riser cable not required for this application" if fiber riser cable(s) are not required. Check "Fiber riser cable to be removed" if the riser cable is being abandoned or disconnected.

Cable description - Enter the alphanumeric description.
Outside diameter - Enter the outside diameter of the cable measured in inches.
Number of fibers - Enter the number of fibers contained in the cable.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Sheath Type - Riser cable must be dielectric.
Cable Tensile Load - Enter the Cable Tensile Load.

Cable Description	Outside diameter (in.)	Number of Fibers	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
AT34Q2MT-024	0.7	24 pair	400	Dielectric	600

BellSouth will provide the cable rack and/or duct to support the riser cable between the entrance vault or facility and the collocated equipment. Collocator shall provide the riser cable.
Either BellSouth or the collocator, as determined by the current Collocation Agreement or local negotiation, shall contract with a BellSouth certified vendor to install the riser cable.

Note 1: Dielectric, fire retardant riser rated cable must be used. Riser cable must meet the requirements in Bellcore (Telcordia) GR-409-CORE.
Note 2: If multiple entry is requested, please show each cable on the riser cable table. Multiple entry availability will be provided in response to an application.
Note 3: Abandoned/disconnected fiber riser cable must be removed by the collocator's certified vendor at the time the associated equipment is removed.
Note 4: If this application is for a subsequent collocation arrangement in a central office, additional riser cables may be required if the placement of the equipment for the subsequent order is not contiguous with the existing arrangements. BellSouth will notify the collocator on the inquiry response if additional riser cables are required.

10. **CABLE INFORMATION – MICROWAVE RADIO**

10C. Complete the table for microwave coax cable to be installed or removed.

Check "Add coax cable for initial installation" if this is the initial application for this location. Check "coax cable to existing arrangement" if you have an existing EIS arrangement in this location and you are adding a coax cable on this application. Check "Coax entrance cable not required for this application" if coax is not required. Check "Coax cable to be removed" if the coax is being abandoned or disconnected. An example is provided.

Cable Description – Enter a brief description of the coax
Outside diameter - Enter the outside diameter of the coax measured in inches.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Sheath Type - Enter the sheath type for each cable.
Cable Tensile Load - Enter the Cable Tensile Load.

Cable Description	Outside Diameter (in.)	Weight (lb/kft)	Sheath Type	Cable Tensile Load (lb/f)
Andrew EFX2-50	3/8"	.09	Metallic	175

10D. Complete the table below for microwave waveguide cable to be installed or removed.

Check "Add waveguide for initial installation" if this is the initial application for this location. Check "Add waveguide(s) to existing arrangement" if you have an existing EIS arrangement in this location and you are adding additional waveguide on this application. Check "Waveguide not required" if waveguide is not required. Check "Waveguide to be removed" if the waveguide is being abandoned or disconnected. An example is provided.

Waveguide Description – Enter a brief description of the waveguide.
Dimensions - Enter the waveguide dimensions measured in inches.
Shape – Enter the cross sectional shape of the waveguide.
Weight (lb/kft) - Enter the weight in pounds per kilofeet of the cable.
Waveguide Tensile Load - Enter the Cable Tensile Load for flexible waveguide.

Waveguide Description	Dimensions	Shape	Weight (lb/kft)	WaveguideT ensile Load
Andrew EW20	5.02 X 2.83'	Elliptical	1.85	N/A

11. **SHARED SPACE – Caged physical collocation only .**

Shared space is available via FCC –99-48 inclusive contracts only.

Provide the Guest Company name and ACNA for the telecommunications provider(s) to be sharing the enclosure.

A collocator may allow other telecommunications carriers to share the collocator's caged collocation arrangement pursuant to terms and conditions agreed to by the collocator ("Host") and other telecommunications carrier(s) ("Guests") and pursuant to the terms and conditions provided in the BellSouth Collocation Handbook.

The Host will be the sole interface and responsible party to BellSouth for the purpose of submitting applications for initial and additional equipment placements of Guest; for payment of rates and charges contained within its Agreement with BellSouth; and for purposes of ensuring that the safety and security requirements of its Agreement with BellSouth are fully complied with by the Guest, its employees and agents. All applications and augmentations require a fee submitted by the Host. In addition, Guest(s) may arrange directly with BellSouth for the provision of the interconnecting facilities between BellSouth and the Guest and for the provisions of the services and access to unbundled network elements

12. **EQUIPMENT WIRING REQUIREMENTS**

Indicate if this is the initial installation, an equipment addition to an existing arrangement, or if this request is for wiring changes only. Indicate if the additions or changes are for the Host or Guest collocator. Duplicate the table if necessary.

Section A – Additions - Indicate the quantity of DS0 2 wire, DS1, DS3 and/or fiber lowspeed equipment ports that will be wired to a POT (Point of Termination) bay. Indicate the quantity of DS0 2 wire, DS1, DS3 and/or fiber lowspeed equipment ports that will be wired to the BellSouth DSX, LGX or frame. It is recommended that all lowspeed ports not used for connection to other equipment be wired to the POT, DSX, LGX or frame.

Section B – Removals - Indicate the type and quantity of the circuits to be disconnected from the POT, DSX, LGX or frame. For all removals, attach a cable and pair and/or T1TIE/T3TIE/fiber inventory identifying the specific connections to be disconnected. The collocator's certified vendor must remove all abandoned/unused cable connections to the POT, DSX, LGX or frame when the associated equipment is removed.

* POT Connections			DSX, LGX and/or Frame Connections		
A. Additions	Collocator	Guest	**A. Additions**	Collocator	Guest
	Quantity of:	Quantity of:		Quantity of:	Quantity of:
DS0 2 wire			DS0 2 wire		
DS1			DS1		
DS3			DS3		
Fiber			Fiber		
B. Removals	Collocator	Guest	**B. Removals**	Collocator	Guest
	Quantity of:	Quantity of:		Quantity of:	Quantity of:
DS0 2 wire			DS0 2 wire		
DS1			DS1		
DS3			DS3		
Fiber			Fiber		

POT refers to the BellSouth or Collocator provided Point of Termination which were provisioned prior to 6/1/99. Future POT bay installations by BellSouth will be governed by the Collocation Agreement. When POT bays are not provided BellSouth will allow direct cabling of collocated equipment to the BellSouth DSX, LGX and DF.

With the direct cabling arrangement the Collocator will be responsible for providing all cabling from the collocated equipment to the BellSouth designated DF, DSX or LGX. The Collocator will also be responsible for providing the BST specified connector/connecting blocks required for termination of the DS0 circuits on the BellSouth DF. BellSouth will provide the cable support structure from the collocated equipment to the DF, DSX and LGX. BellSouth will also provide the termination equipment panels at the BellSouth DSX and LGX.

13. **CONTACT INFORMATION**

EQUIPMENT WIRING: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of the person BellSouth can contact regarding information entered in item 12.

TECHNICAL: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of the person BellSouth can contact regarding information entered in items 4 through 11.

LOCAL COORDINATOR: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of your company's local coordinator at the selected location for the collocation arrangement.

BUILDING ACCESS: Enter the name, telephone number, facsimile number, pager number and e-mail/Internet address of your company's contact for the collocation arrangement location access security.

14. **BILLING INFORMATION**

Indicate the legal business company name and address, as it should appear on the monthly billing statement to be submitted by BellSouth to your company for this EIS arrangement. Provide a contact name, telephone number and facsimile number to be contacted regarding bill payment, discrepancies, etc. List billing account numbers established for other communication service(s) provided by BellSouth.

15. **ATTACHMENTS**

Provide via attachment additional information, which will aid BellSouth's understanding of the space requirements for the racks and equipment to be placed in the location. For (4A) equipment cage, a floor plan indicating rack layout within the cage should be provided. For (4B) cageless-conventional and (4C) cageless non-conventional arrangements, collocator must provide preferred rack equipment drawings for the floor plan layout. An explanation must be provided which describes the necessity for requiring (4C) non-conventional arrangement, if this option has been selected. The floor plan layout should include all racks identified in Item 6.
For non-enclosed arrangements additional information would include special needs, such as front and back access to equipment, doors on the storage units, aisle space requirements, AC outlets, etc. Provide drawings of the rack(s) and equipment showing all perspectives - top, side, front, back. Drawings should include all equipment shown in Item 6. For enclosed arrangements provide a proposed rack floor plan layout. List all attachments and the number of pages of each attachment.

16. **TECHNICAL COMPLIANCE**

Signature, title and date are required at end of the document. Each subsequent issue of the BSTEI-1P-A must also be signed.

Applicant certifies that equipment is in compliance with the following industry standards:

- Criteria Level 1 requirements as outlined in the Bellcore (Telcordia) Special Report SR-3580 Issue 1.
- Equipment design spatial requirements per GR-63-CORE, Section 2.
- Thermal heat dissipation per GR-63-CORE, Section 4, Criteria 77 - 79.
- Acoustic noise per GR-63-CORE, Section 4, Criterion 128.
- Applicable National Electric Code requirements.

Use of Space in Central Offices

From time to time BellSouth may require access to space occupied by collocator. BellSouth retains the right to access such space for the purpose of making equipment and building modifications, e.g., running, altering or removing racking; ducts; electrical wiring; HVAC; and cables. BellSouth will give reasonable notice to collocator when access to collocation space is required and collocator may elect to be present whenever BellSouth performs work in the collocation space. It is agreed that collocator will not bear any of the expense associated with this work.