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BY HAND DELIVERY

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-8850

      RE: Dockets No. 960833-TP, 960846-TP, 960757-TP and 971140-TP
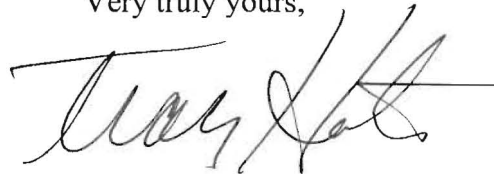
Dear Ms. Bayo:

      Enclosed for filing in the above referenced dockets are the following documents. With the exception of Mr. Gillan's testimony and AT&T's Prehearing Statement, all testimony and exhibits are jointly sponsored by on behalf of AT&T Communications of the Southern States, Inc. and MCI.

1.   AT&T's Prehearing Statement and diskette copy;

2.   Rebuttal testimony of John P. Lynott with rebuttal exhibits JPL-1 through JPL-3;

3.   Rebuttal testimony of Rick Bissell (REDACTED) with rebuttal exhibit RB-1;

4.   Rebuttal testimony of Lee Selwyn;

5.   Rebuttal testimony of Bradford Cornell with rebuttal exhibit BC-1;

6.   Rebuttal testimony of Michael J. Majoros, Jr., with rebuttal exhibit MJM-1;

7.   Rebuttal testimony of Wayne Ellison with rebuttal exhibits WE-1 and WE-2;

8.   Rebuttal testimony of James W. Wells, Jr. (REDACTED) with rebuttal exhibits JWW-1 through JWW-3 (JWW-2 and 3 REDACTED);

9.   Rebuttal testimony of Art Lerma with rebuttal exhibits ALR-1 through ALR-11;

10.   Rebuttal testimony of Catherine E. Petzinger (REDACTED);

11.   Rebuttal testimony of Joseph Gillan.

DOCUMENT NO

12596-97

By copy of this letter, these documents (with the exception of the diskette copy of the Prehearing Statement) have been provided to the parties on the attached service list. Copies of testimony and exhibits that include proprietary information are being filed under separate cover and will be served upon parties who have executed a confidentiality agreement.

Very truly yours,

Tracy W. Hatch

xc: Parties of record

CERTIFICATE OF SERVICE

DOCKET NO. 960833-TP

I HEREBY CERTIFY that a true and correct copy of the forgoing has been furnished by

U.S. Mail or hand-delivery to the following parties of record this 5th day of December, 1997:
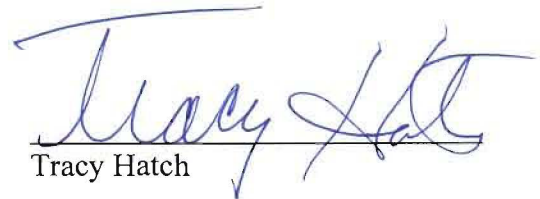
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Tracy Hatch

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

REBUTTAL TESTIMONY OF

JOHN P. LYNOTT

ON BEHALF OF

AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC.

AND

MCI TELECOMMUNICATIONS CORPORATION

AND

MCI METRO ACCESS TRANSMISSION SERVICES, INC.

Docket No. 960833-TP/960846-TP/960757-TP/971140-TP/960916-TP

December 9, 1997

1		REBUTTAL TESTIMONY OF
2		JOHN P. LYNOTT
3		ON BEHALF OF
4		AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC., AND
5		MCI TELECOMMUNICATIONS CORPORATION, AND
6		MCI METRO ACCESS TRANSMISSION SERVICES, INC.
7		DOCKET NOs.: 960833-TP/960846-TP/971140-TP/960757-TP/960916-TP

8

9 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND**

10 **EMPLOYMENT.**

11 A. My name is John P. Lynott, and my business address is 1875 Lawrence Street,

12 Suite 875, Denver, Colorado 80202. I am employed by AT&T Communications

13 as a District Manager in the Local Connectivity Costing and Pricing District of the

14 Local Services Division.

15

16 **Q. ARE YOU THE SAME JOHN P. LYNOTT WHO FILED DIRECT**

17 **TESTIMONY ON BEHALF OF AT&T AND MCI IN THIS**

18 **PROCEEDING?**

19 A. Yes.

20

21 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

22 A. The purpose of my rebuttal testimony is to address: (1) the direct testimony of

23 BellSouth witness Eno Landry concerning non-recurring costs (NRC), (2) certain

24 deficiencies in BellSouth's non-recurring cost study, (3) modifications required to

25 BellSouth's non-recurring cost study to efficiently provide the aforementioned

1		elements, and (4) advantages of the AT&T/MCI Non-Recurring Cost Model
2		(NRCM) for modeling BellSouth's non-recurring costs.
3		
4	Q.	**DO YOU HAVE A SPECIFIC CONCERN WITH THE TESTIMONY OF**
5		**BELLSOUTH's WITNESS ENO LANDRY?**
6	A.	Yes. In describing the major components contributing to non-recurring costs, Mr.
7		Landry identifies the receiving and processing of the service request into an
8		internal order as a BellSouth cost. This is also reflected in BellSouth's cost study
9		as cost associated with the Local Customer Service Center (LCSC). In a
10		competitive local environment, it is the responsibility of the Competitive Local
11		Exchange Carrier (CLEC) to process the local service order for BellSouth
12		provisioning. The insertion of the LCSC work group in the ordering and
13		provisioning processes is discriminatory to the CLEC. Such additional costs are
14		not being borne by BellSouth. Indeed, AT&T and BellSouth have an
15		Interconnection Agreement to provide for the mechanized flow of pre-ordering
16		and ordering service request data exchange.
17		
18	Q.	**ARE THERE OTHER MODELING ERRORS IN THE BELLSOUTH**
19		**NON-RECURRING COST STUDIES?**
20	A.	Yes. AT&T and MCI joint witness Thomas Hyde discusses the methodological
21		and assumption concerns with the BellSouth studies. Highlights include
22		BellSouth's embedded cost nature (early 1990 sources with little to no detail of
23		functions being performed), inappropriate network architecture assumptions
24		(over-engineering and excess plant), which results in unnecessary work functions
25		that BellSouth does not experience itself, and duplicate work activities due to

1		BellSouth's treatment of each and every unbundled network element being
2		provisioned on separate orders. For example, a CLEC has no use for a standalone
3		loop without the loop being connected to a port or dedicated transport or its own
4		equipment located in collocation space.
5		
6	Q.	**ARE OPERATIONAL SUPPORT SYSTEM ASSUMPTIONS**
7		**IMPORTANT TO THE DEVELOPMENT OF A NON-RECURRING COST**
8		**MODEL?**
9	A.	Yes. Telecommunications networks have evolved to the point where functions
10		such as billing, pre-ordering, ordering, provisioning and maintenance rely heavily
11		on efficient, high availability Operational Support Systems (OSSs) in order to
12		minimize non-recurring cost and maximize performance quality and reliability.
13		
14	Q	**DO BELLSOUTH'S ASSUMPTIONS REGARDING OSSs NEGATIVELY**
15		**IMPACT THE MODELING OF NRCs?**
16	A	Yes. First, assumptions regarding recovery of OSS investment are important.
17		The AT&T/MCI NRC Model does not capture OSS investment required for the
18		establishment and operation of the electronic gateway that serves as the medium
19		for CLEC/ILEC interfacing, because this Commission has already stated that
20		these cost will be borne by each individual provider. Charging such costs to new
21		entrants would be a barrier to competitive entry. Yet, in spite of this clear
22		direction from this Commission, BST has proposed to recover the costs of its
23		proposed electronic gateway through a separate charge assessed on each and every
24		order received from a CLEC for an unbundled element.
25		

1   Additionally, BellSouth's current OSS investment (not the gateway to access

2   these OSSs) is being recovered through recurring rates, to the extent it needs to be

3   recovered at all. Mechanized OSS manages the totality of the telecommunications

4   network. Arguably, no OSS investment should result in any cost increase, even

5   for recurring rates, because much, if not all, OSS investment is recovered through

6   efficiency gains that result from that investment. That is, investing in up-to-date

7   OSSs reduces costs for the ILEC, and, hence, the investment pays for itself over

8   time.

9

10   BellSouth fails to recognize the efficiencies of its own existing ('Legacy') OSSs.

11   BellSouth failed to consider the automated systems that are currently available to

12   support and replace manual activities/functions performed by their respective

13   work centers. BellSouth's non-recurring cost worksheets provide only a brief

14   description of the activities performed by these work centers. Having spent

15   several years dealing with service provisioning in an ILEC, work-times and work

16   groups indicated by BellSouth are overstated or unnecessary due to the many

17   advances in operational support systems. Rebuttal Exhibit JPL-1 is a table that

18   identifies certain work functions BellSouth includes in calculating non-recurring

19   cost. I have provided certain automated systems (OSS) that are currently

20   available and their functionality as an example of why such manual work costs are

21   not warranted.

22

23   Q.   **CAN YOU PROVIDE AN EXAMPLE OF NECESSARY ADJUSTMENTS**

24   **TO BELLSOUTH'S NON-RECURRING COST STUDY?**

25

1   A.   Yes. Rebuttal Exhibit JPL-2 consists of (page 1 of 2) BellSouth's NRC Inputs for

2   the 2-wire ADSL-compatible Loop and (page 2 of 2) Adjusted NRC Inputs for the

3   2-wire ADSL-compatible Loop. The Adjusted NRC Inputs depiction also reflects

4   the correction of modeling flaws as identified by AT&T/MCI witness Thomas

5   Hyde.

6

7   Q.   **WHAT IS THE PURPOSE OF THE PROPOSED CHANGES IN THE**

8   **BELLSOUTH COST STUDIES?**

9   A.   The recommended adjustments offer this Commission information to better

10   evaluate the BellSouth cost studies. The BellSouth cost study modifications are

11   necessary to more accurately portray BellSouth's own cost using efficient

12   practices, not the historic practices BellSouth is modeling.

13

14   In addition, the AT&T/MCI Non-Recurring Cost Model (NRCM) does not

15   currently cost each of the specific non-recurring activities identified by this

16   Commission. The NRCM does, however, contain many of the necessary work

17   steps/activities and work times required to order and provision these unbundled

18   network elements. Following the NRCM's TSLRIC costing guidelines,

19   adjustments were made to recognize electronic ordering, efficiently managed

20   OSSs and forward-looking network architecture benefits. Necessary adjustments

21   to BellSouth's other filed studies is attached as Rebuttal Exhibit JPL-3. Certain

22   critical assumptions are provided, e.g., detailed work activities and times, as well

23   as a brief explanation where worktimes or probabilities, e.g. the probability of a

24   line served at a non-staffed central office affects travel, have been modified.

25

1　Q.　**PLEASE EXPLAIN YOUR ASSUMPTION ON FALLOUT?**

2　A.　The term used when orders do not flow through an OSS automatically is

3　　　"Fallout". Most ILEC systems are electronically linked and are dependent on one

4　　　another. Occasionally an error will occur as data flows through the systems, and

5　　　this error will cause a service order to "fall out" of the systems, resulting in the

6　　　need for manual intervention. For example, in an electronic ordering process, if

7　　　one of the OSSs receives erroneous or incompatible information from another

8　　　OSS, the order will be designated as a process "fallout" and may require manual

9　　　intervention to correct or complete the order.

10

11　　It is important to note that the NRCM only considers "fallout" within the OSS

12　　managing the provisioning processes. Fallout during the pre-ordering and

13　　ordering processes (i.e., errors on the Local Service Request itself) are the

14　　responsibility of the CLEC to manually clear.

15

16　Q.　**IS FALLOUT IMPORTANT TO MEASURING NRCs?**

17　A.　Absolutely. Fallout is important because in many instances it is the only cost

18　　driver for an otherwise seamless electronic flow-through process. With OSSs that

19　　are well managed and maintained, the rate of fallout is expected to be minimal,

20　　especially in a competitive environment. This is a necessity because fallout

21　　affects the customer in terms of longer delivery intervals and restoration/response

22　　times, as well as higher cost of providing service; conditions a competitive

23　　company can ill afford.

24

25

1 Q. **DOES BELLSOUTH RECOGNIZE FALLOUT IN THEIR COST**
2 **STUDIES?**

3 A. Yes. BellSouth, like several other ILECs, has assumed a significant degree of
4 manual intervention in its OSS systems, such as COSMOS/SWITCH, PREMIS,
5 TIRKS, and LFACS. In fact, BellSouth assumes a 100% manual ordering and
6 provisioning process with no recognition of its OSS capabilities. For the reasons
7 discussed above, this assumption is invalid because it does not represent
8 efficiently managed and forward looking systems, and, accordingly, produces a
9 higher non-recurring cost than should be experienced even with the automatic
10 flow-through processes that actually exists today. In addition, BellSouth
11 introduces unnecessary workgroups, such as the LCSC and ACAC, to internally
12 rework orders that BellSouth deems contain CLEC order entry errors. Any manual
13 assistance required to clear errors associated with the data on the Local Service
14 Order will be performed by the CLEC. Since all ordering errors, not provisioning
15 OSS fallout, can be 100% electronically returned to the CLEC, BellSouth
16 inappropriately overstates relevant non-recurring cost.

17

18 Q. **IN ADDITION TO OSS, IS THE NETWORK ARCHITECTURE**
19 **ASSUMPTION CRITICAL WHEN MODELING NON-RECURRING**
20 **COSTS?**

21 A. Yes. It's also important to understand and utilize forward looking network
22 architectures in modeling non-recurring costs. For example, the NRCM utilizes
23 Local Digital Switches ("LDS"), Integrated Digital Loop Carrier (IDLC/GR-303)
24 for loops greater than 9 Kilofeet (for loops less than 9 Kilofeet, copper is
25 assumed), Digital Cross-connect Systems ("DCS"), and Synchronous Optical

7

1   Network ("SONET") rings for transport.   These architectures are important

2   because they are forward looking intelligent processor controlled network

3   elements that can communicate over standard interfaces to the OSSs in such a

4   manner that little-or-no manual intervention is required for provisioning or

5   maintenance activities.   These architectures are also the ones currently being

6   deployed by BellSouth today.   Technologies such as these work hand-in-hand

7   with advanced OSSs to minimize cost and improve customer service and are

8   essential to the development of forward looking non-recurring costs.

9

10   Q.   **HAS BELLSOUTH INCLUDED THE AVAILABILITY OF THIS**

11   **TECHNOLOGY IN DEVELOPING ITS PROPOSED PRICES FOR NRCs?**

12   A.   No. BellSouth has not reflected the use of the latest technology in its cost studies

13   for NRCs. As reflected in the rebuttal testimony of Thomas Hyde, BellSouth

14   instead has relied upon studies on equipment placed into service before 1995.

15   Thus, it is apparent that BellSouth's cost studies for NRCs do not reflect forward-

16   looking, least cost technology, and should be rejected.

17

18   Q.   **DOES THE AT&T/MCI NRCM REFLECT THE USE OF THE LATEST**

19   **AVAILABLE FORWARD-LOOKING LEAST COST TECHNOLOGY**

20   **DESCRIBED ABOVE?**

21   A.   Yes.

22

23   Q.   **PLEASE DISCUSS THE AT&T/MCI NON-RECURRING COST**

24   **MODEL'S (NRCM) ASSUMPTIONS FOR THE TR-303 IDLC**

25   **CONCERNING SUB-LOOP UNBUNDLING.**

1   A.   The NRCM assumes that the DOP (what is this?) and NID are in place. After the

2   CLEC purchases a Virtual Tributary DS1 (VT-1) on the ILEC OC-3 Fiber Feeder

3   from the Remote Terminal ("RT") to the CLEC collocation space, the installation

4   (and subsequent disconnection) of an unbundled loop would not require any

5   manual effort. The appearance of any new or migrated virtual DS0 customer loop

6   at the collocation area would be accomplished electronically using the appropriate

7   OSSs and the functionality that is inherent in TR-303 IDLC systems. In other

8   words, if the ILEC has 24 DS0 channels/customers on its Virtual Tributary DS1

9   (VT-1) and terminated on its Local Digital Switch (LDS) and one (1) customer

10   decides to migrate to the CLEC, the ILEC would still retain the other 23 on their

11   VT1 and LDS. If the second customer (DS0) decides to migrate to the CLEC, the

12   ILEC would still retain the other 22 DS0s on its VT1 and LDS - and so on. It

13   should be noted that in the above scenario, it is assumed that both VT1s are

14   resident on the same ILEC Fiber Feeder (OC-3). Each OC-3 has the a total DS1

15   payload capacity – depending on electronics and configuration – of 84 VT1s.

16

17   Q.   **IS THIS THE SAME AS SUB-LOOP UNBUNDLING, ONLY IN A TR-303**

18   **IDLC ENVIRONMENT?**

19   A.   Absolutely not, because the CLEC in the above scenario is still using the same

20   ILEC OC-3 Loop fiber feeder, and is simply grooming from one Virtual DS1

21   tributary or channel (VT1) to another Virtual DS1 tributary or channel within the

22   same ILEC OC-3 fiber feeder. The DS0s are groomed via communications from

23   a provisioning/recent change OSS to the electronic time slot interchange (TSI) at

24   the remote terminal (RT). If the CLEC were to provide its own OC-3 or physical

1		DS1 from their POP to the RT or Feeder Distribution Interface (FDI), then it may
2		be considered as sub-loop Unbundling.
3		
4	Q.	**WHAT ARE SOME OF THE ADVANTAGES OF THE AT&T/MCI NRC**
5		**MODEL?**
6	A.	The NRCM provides a detailed step-by-step understanding of the systems
7		required and the manual work activities performed by an ILEC in the ordering and
8		provisioning of wholesale services and unbundled network elements.
9		
10		The NRCM models efficient, currently practiced processes using a TELRIC
11		network that supports wholesale services and unbundled network elements.
12		
13		The NRCM can be modified to reflect the removal or addition of work
14		steps/activities by updating the steps on the 'Processes & Calcs' spreadsheet of
15		the NRCM. The user determines the work/processes by selecting any of the 290
16		activities for each service type on the 'Processes & Calcs' spreadsheet.
17		
18		The NRCM allows for user inputs to adjust for specific regional conditions,
19		including the copper/fiber ratio of served loops and loops served by staffed vs.
20		non-staffed facilities. A proper cost study must account for these data.
21		
22		The NRCM identifies cost in the manner in which costs are incurred and
23		requested for installation, migration, and disconnect non-recurring activities.
24		
25		

10

1 Q. **DO YOU RECOMMEND ANY NRCs BASED ON ADJUSTMENTS TO**

2 **BELLSOUTH'S NRC STUDIES TO THIS COMMISSION?**

3 A Yes. Adhering to TSLRIC principles and based on necessary adjustments to

4 BellSouth's NRC cost studies identified above and in the rebuttal testimony of

5 Thomas Hyde, I recommended certain modifications that have been utilized by

6 AT&T witness Wayne Ellison for purposes of AT&T's rate proposal in this

7 docket.

8

9 Q. **WILL YOU PLEASE SUMMARIZE YOUR TESTIMONY?**

10 A. Yes. In order for a competitive environment to exist, new entrants must have non-

11 discriminatory access to the incumbent's databases and other resources for

12 entering service orders to eliminate the need for costly, intermediate customer

13 service contacts. Also, new entrants must only incur costs equal to those which

14 the ILEC would incur using a forward looking network architecture and efficient

15 OSS or else the CLEC is burdened with a barrier to entry and the ILEC has no

16 incentive to become efficient. Finally, NRCs must be based upon TSLRIC

17 principles.

18

19 The NRCM recognizes those requirements. The NRCM, therefore, corrects the

20 many faulty assumptions that have been found in ILEC cost studies. The Non-

21 Recurring Cost Model correctly adheres to the following:

22

23 (1) A forward looking cost model should incorporate the efficiencies of

24 automated OSSs which provide for maximum electronic flow through of

25 orders.

11

1   (2)   To the extent fallout does indeed occur, it should be limited to

2   approximately 2% of the total orders processed.

3   (3)   Manual work times should reflect appropriate intervals based on the use of

4   forward looking network technologies.

5   (4)   Wherever appropriate, service orders should be processed through a non-

6   designed POTS provisioning process as opposed to a more expensive

7   designed services process.

8   (5)   A forward looking cost model should incorporate the efficiencies of

9   automated Intelligent Network Elements (SONET, GR-303/IDLC,

10   DCS/EDSX, LDS, etc.) which provide for maximum electronic flow

11   through for provisioning of orders.

12   (6)   Wherever appropriate, the same work centers, work groups, technicians,

13   and associated labor rates should be modeled at parity with how BellSouth

14   provides similar services to itself.

15   (7)   Migrations and installations should be recognized as mechanized

16   whenever DIP and DOP will permit.

17   (8)   Installation and disconnection should be calculated separately to account

18   for significant cost differences dependent on a new entrant's disconnect

19   decisions regarding DIP/DOP.

20

21 **Q.**   **DOES THIS CONCLUDE YOUR TESTIMONY?**

22

23 A.   Yes.

24

25

Work Center	BellSouth Reason for NRC[1]	Automated Systems not considered in development of Non-Recurring Cost
WMC ACAC	WMC coordinates dispatched technicians -- Any IMC or Network Svcs-Clerical time is reflected in WMC time. ACAC coordinates overall administration of svc order ACAC coordinates overall service turnup -- ACAC includes incremental time for handling various coordination issues (3.57 min--install & disconnect)	**WFA/C** – (Bellcore) The central operations system coordinating the installation and maintenance work and determining the dispatch system into which work orders flow. This automated online system screens service orders according to type and complexity, routes orders to the proper departments, monitors the work until completion, and verifies the quality of work through final testing of the circuits. **WFA/DI**—(Bellcore) A system that coordinates, tracks, prices and loads inside (central office) installation, maintenance and routine work activity. **WFA/DO**—(Bellcore) A system that coordinates, tracks, prices and loads outside installation, maintenance and routine work activity. **FORCE**—(Bellcore) A system that assigns work taking into account the qualifications and daily schedules of each technician, generates daily list of work to be done by the employees at each location.
AFIG OSPE	AFIG assigns facility OSPE reviews request, assigns FRN, & returns svc inquiry to LCSC	**FACS**—(Bellcore) Facility Assignment and Control Systems (SOAC, LFACS, SWITCH/COSMOS, TIRKS, PAWS). Automated systems to provide assignments of inventory, to track and sequence service request, and to deliver work request to other down stream systems. FACS currently has the capability of flow-through assignment. A forward looking network will include all available facilities. RMAs should be kept to a minimum (e.g., 2%)
CPG	CPG processes svc request & generates DLR & word document to ALEC & field	**FACS/TIRKS**—(Bellcore) Facility Assignment and Control Systems (SOAC, LFACS, SWITCH/COSMOS, TIRKS, PAWS) Automated systems to provide assignments of inventory, to track and sequence service request, and to deliver work request to other down stream systems. TRIKS currently has the capability of flow-through assignment. A forward looking network will include all available facilities. RMAs should be kept to a minimum (e.g., 2%)

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[1] BellSouth Non-Recurring Cost Work Sheets, F2wadsl.xls, F2whdsl, F2wdistr.xls, F4whdsl, F4wdistr.xls.

BELLSOUTH NONRECURRING COST STUDY INPUT
2 WIRE ADSL COMPATIBLE LOOP

----ASSUMES MANUAL SERVICE ORDER ENTRY----

STATE: FL   **LOCATION LIFE (MOS.):** 25

COST ELEMENT #: A.6.1

LEVEL: 1997 - 1999

DESCRIPTION	SME	JFC	(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)	
			FIRST	ADDTL	FIRST	ADDTL
SERVICE INQUIRY						
LCSC receives svc request & initiates manual svc inquiry to OSPE	Interconn Svcs	2300	0.0833	0.0833	0.0000	0.0000
OSPE reviews request, assigns FRN, & returns svc inquiry to LCSC	Network	32XX	3.0000	3.0000	0.0000	0.0000
SERVICE ORDER						
LCSC receives svc inquiry, responds to ALEC & issues svc order	Interconn Svcs	2300	0.5000	0.2500	0.3333	0.0000
LCSC incremental work effort associated with no facilities available						
- LCSC responds to ALEC--service order issued w/FID to bill special construction charges	Interconn Svcs	2300	0.0125	0.0125	0.0000	0.0000
WMC coordinates dispatched technicians	Network	4WXX	0.2500	0.0000	0.2500	0.0000
ACAC coordinates overall administration of svc order	Network	471X	0.1833	0.1833	0.1833	0.1833
SSIM processes svc request	Network	411X	0.3072	0.0000	0.3072	0.0000
ENGINEERING						
AFIG assigns facilities	Network	400X	0.0167	0.0167	0.0000	0.0000
CPG processes svc request & generates DLR & word document to ALEC & field	Network	470X	0.1300	0.1300	0.0007	0.0000
CONNECT & TURN-UP TEST						
CO I&M Field work grp connects facility at collocation site	Network	431X	0.0583	0.0583	0.0333	0.0333
ACAC coordinates overall service turnup	Network	471X	0.9595	0.9595	0.2395	0.2395
SSIM makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	411X	2.6780	2.6780	0.5000	0.5000
TRAVEL						
SSIM (incidental travel time which is not captured in NID/drop investment)	Network	411X	0.3000	0.0000	0.3000	0.0000

ASSUMPTIONS:

1) Assumes new loops--100% dispatch.

2) When the service inquiry determines no facilities are available, LCSC (service order) assumes 5% of time the ALEC requests facilities under special construction and that the disconnect time is included in the service order portion of the special construction charges.

3) ACAC connect includes incremental time for handling various coordination issues (3.57 min--install & disconnect)

4) CO I&M Field (connect & test) assumes 10% of total CO I&M Field time carried in other transport elements.

5) 2 Wire ADSL & 2 Wire HDSL work flow/times are same.

6) Any IMC or Network Svcs-Clerical time is reflected in WMC time.

7) Incremental time associated with handling ALEC specified conversions is charged separately.

8) Loop will be ordered via manual service order entry.

ADJUSTED NONRECURRING COST STUDY INPUT
2 WIRE ADSL COMPATIBLE LOOP

----ASSUMES *ELECTRONIC* SERVICE ORDER ENTRY----

LOCATION LIFE (MOS.): 25

STATE: FL
COST ELEMENT #: A.6.1
LEVEL: 1997 - 1999

DESCRIPTION	SME	JFC	(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)		Explanation
			FIRST	ADDTL	FIRST	ADDTL	
SERVICE INQUIRY							
LCSC receives svc request & initiates manual svc inquiry to OSPE	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Not required.
OSPE reviews request, assigns FRN, & returns svc inquiry to LCSC	Network	32XX	0.0000	0.0000	0.0000	0.0000	Non-loaded loop, no need for review. OSS manages.
SERVICE ORDER							
LCSC receives svc inquiry, responds to ALEC & issues svc order	Interconn Svcs	2300	0.0108	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only.
LCSC incremental work effort associated with no facilities available							
- LCSC responds to ALEC--service order issued w/FID to bill special construction charges	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Special construction charges capture costs.
WMC coordinates dispatched technicians	Network	4WXX	0.0000	0.0000	0.0000	0.0000	WFA OSS manages technician dispatch.
ACAC coordinates overall administration of svc order	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS.
SSIM processes svc request	Network	411X	0.0000	0.0000	0.0000	0.0000	Not involved in service order.
ENGINEERING							
AFIG assigns facilities	Network	400X	0.0000	0.0000	0.0000	0.0000	Managed by OSS.
CPG processes svc request & generates DLR & word document to ALEC & field	Network	470X	0.0108	0.0100	0.0000	0.0000	Allow 2% fallout.
CONNECT & TURN-UP TEST							
CO I&M Field work grp connects facility at collocation site	Network	431X	0.0000	0.0000	0.0000	0.0000	Recover in Cross-Connect element.
ACAC coordinates overall service turnup	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS.
SSIM makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	411X	0.1500	0.1083	0.1250	0.0833	Pull & Analyze+test+close+travel
TRAVEL							
SSIM (incidental travel time which is not captured in NID/drop investment)	Network	411X	0.0000	0.0000	0.0000	0.0000	No support. Should be recurring recovery.

AT&T/MCI ASSUMPTIONS:

1) Probability of Order fallout:	2%	
2) Fallout - Pull and Analyze order (copper):	2.5	minutes
3) Fallout - Close order (copper):	1.5	minutes
4) Fallout - Clear Jeopardy	30	minutes
5) Travel/ 4 work orders	5	minutes
6) Non-Staffed Lines	20%	
7) Cross-wire at Low Profile MDF	1	minutes
8) Cross-wire at IDF	2	minutes
9) Testing	1	minutes

10) No fallout should occur when disconnecting a properly inventoried network component.
11) 2 Wire ADSL & 2 Wire HDSL work flow/times are same.
12) Loop will be ordered via electronic service order entry.
13) Travel to a collocation site and the cross connect work activity are recognized in BellSouth's 2-wire Cross Connect charge.
    Additional adjustments are made to the cross connect NRC studies to insure proper recovery of the total costs to provision a loop to collocation space.

NONRECURRING COST STUDY INPUT
Cross-Connect Provisioning with 2W / 4W NID

| | | LOCATION LIFE (MOS.): | 25 | 2W/4W |

STATE: FL
COST ELEMENT #: A.2.13
LEVEL: 1997 - 1999

DESCRIPTION	SME	JFC	(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)		
			FIRST	ADDTL	FIRST	ADDTL	
CONNECT & TURN-UP TEST							
I&M makes 2W / 4W cross-connect for ALEC	Guilbeau	410X	0.0333	0.0333	0.0000	0.0000	Using AT&T assumptions.
MATERIAL							
Wire, clamps, wire ties, screws	Guilbeau		$0.318	$0.318	$0.000	$0.000	
AT&T/MCI ASSUMPTIONS:							
Terminate to NID		2 minutes					

NONRECURRING COST STUDY INPUT
2 Wire/4 Wire NID to NID Installation

LOCATION LIFE (MOS.):   25   2W/4W

STATE: FL
COST ELEMENT #:   A.2.12
LEVEL: 1997 - 1999

DESCRIPTION	SME	JFC	(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)		
			FIRST	ADDTL	FIRST	ADDTL	
SERVICE ORDER							
LCSC receives ASR, issues service order & FOC	Scarbrough	2300	0.0100	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only
I&M service order review / close-out	Guilbeau	410X	0.0000	0.0000	0.0000	0.0000	Not involved in service order
CONNECT & TURN-UP TEST							
I&M installs/replaces BST 2W/4W NID for ALEC	Guilbeau	410X	0.0708	0.0708	0.0000	0.0000	Using AT&T assumptions.
TRAVEL							
SSIM (incidental travel time which is not captured in NID/drop loop investment)	Guilbeau	410X	0.5000	0.0000	0.0000	0.0000	Using AT&T assumptions.
MATERIAL							
2W/4W NID (includes interface, bridge & protector)	Loop Study		$23.723	$23.723	$0.000	$0.000	Recurring Element

AT&T/MCI ASSUMPTIONS:
Probability of Order fallout: **2%**
Travel time to customer premise   **20** minutes
Setup and tear down   **10** minutes
Pull&Analyze, continuity test, close order   **4** minutes
Assumes electronic ordering

NOTE: BST assumes this element for NID placement only.
A separate element (A2.13) is for the cross-connect

NONRECURRING COST STUDY INPUT
2 WIRE SUBLOOP (non-designed circuit)
(Field Side Distribution Pair)

----ASSUMES MANUAL SERVICE ORDER ENTRY----

LOCATION LIFE (MOS.):   **25**

STATE: FL
COST ELEMENT #:   A.2.2
LEVEL: 1997 - 1999

DESCRIPTION SERVICE INQUIRY	SME	JFC	(A) INSTALL WORKTIMES (HRS) FIRST	ADDTL	(B) DISCONNECT WORKTIMES (HRS) FIRST	ADDTL	
LCSC receives svc request & initiates manual service inquiry to OSPE	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Not required, using mechalnized electonic interface.
OSPE reviews request, posts FRN on both subloop & tie pair between crossboxes, posts special rule at cust terminal to prevent FACS from posting the F1 facility, forwards rule to AFIG for FACS marking, & returns service inquiry to LCSC ****	Network	32XX	0.0000	0.0000	0.0000	0.0000	Not required, using mechalnized electonic interface.
SERVICE ORDER							
LCSC receives service inquiry, issues non-design svc order w/approp details for using FRN & FOC	Interconn Svcs	2300	0.0100	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only
WMC coordinates dispatched technicians	Network	4WXX	0.0000	0.0000	0.0000	0.0000	WFA OSS manages technician dispatch
ACAC turns-up service to ALEC, coordinates overall administration of svc order	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
I&M processes svc request	Network	410X	0.0000	0.0000	0.0000	0.0000	Not involved with service order
ENGINEERING							
AFIG assigns cable pairs according to FRN and rules	Network	400X	0.0040	0.0040	0.0000	0.0000	Allow 2% fallout
CPG design N/A	Network	470X	0.0000	0.0000	0.0000	0.0000	N/A
CONNECT & TURN-UP TEST							
ACAC dispatches appropriate work groups	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
I&M makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	410X	0.6042	0.1042	0.6000	0.1000	Pull & Analyze+test+close
TRAVEL							
I&M (incidental travel time which is not captured in NID/drop investment)	Network	410X	0.0000	0.0000	0.0000	0.0000	No support. Should be recurring recovery.

AT&T/MCI ASSUMPTIONS:
Probability of Order fallout:	2%	
Travel time to FDI	20	minutes
Setup and tear down	10	minutes
Cross connect (binding post)	2	minutes
Pull&Analyze, continuity test, close order	4	minutes
Assumes electronic ordering		

NONRECURRING COST STUDY INPUT   ----ASSUMES MANUAL SERVICE ORDER ENTRY----
4 WIRE SUBLOOP (non-designed circuit)
(Field Side Distribution Pair)   LOCATION LIFE (MOS.):   28

STATE: FL
COST ELEMENT #:   A.2.11
LEVEL: 1997 - 1999

DESCRIPTION			(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)		
SERVICE INQUIRY	SME	JFC	FIRST	ADDTL	FIRST	ADDTL	
LCSC receives svc request & initiates manual service inquiry to OSPE	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Not required, using mechanized electonic interface.
OSPE reviews request, posts FRN on both subloop & tie pair between crossboxes, posts special rule at cust terminal to prevent FACS from posting the F1 facility, forwards rule to AFIG for FACS marking, & returns service inquiry to LCSC ****	Network	32XX	0.0000	0.0000	0.0000	0.0000	Not required, using mechanized electonic interface.
SERVICE ORDER							
LCSC receives service inquiry, issues non-design svc order w/approp details for using FRN & FOC	Interconn Svcs	2300	0.0100	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only
WMC coordinates dispatched technicians	Network	4WXX	0.0000	0.0000	0.0000	0.0000	WFA OSS manages technician dispatch
ACAC turns-up service to ALEC, coordinates overall administration of svc order	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
I&M processes svc request	Network	410X	0.0000	0.0000	0.0000	0.0000	Not involved in service order
ENGINEERING							
AFIG assigns cable pairs according to FRN and rules	Network	400X	0.0040	0.0040	0.0000	0.0000	Allow 2% fallout
CPG design N/A	Network	470X	0.0000	0.0000	0.0000	0.0000	N/A
CONNECT & TURN-UP TEST							
ACAC dispatches appropriate work groups	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
I&M makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	410X	0.6958	0.1958	0.6750	0.1750	Pull & Analyze+test+close + test at NID
TRAVEL							
I&M (incidental travel time which is not captured in NID/drop investment)	Network	410X	0.2500	0.0000	0.0000	0.0000	NRCM recognizes 5 min travel + 5 min setup + 5 min tear down

AT&T/MCI ASSUMPTIONS:
Probability of Order fallout:	**2%**
Travel time to FDI	20 minutes
Setup and tear down	10 minutes
Cross connect (binding post)	4 minutes
Pull&Analyze, continuity test, close order	7 minutes
1000 hz test at NID	1 minutes
Assumes electronic ordering	

State	Cost Element #		Source		JFC	Cost Element Life (months)	(For use w/ one NR) Install Time (Hours)	Disconnect Time Hours	First Install Time (Hours)	First Disconnect Time Hours	Additional Install Time (Hours)	Additional Disconnect Time Hours	Nonrecurring Additive
FL	H.2.6	Virtual Collocation - 2-Wire Cross Connects				25							
		Service Order	Customer Point of Contact	Interconnection Operations	2300		0.0000	0.0000	0.0000	0.0000			**AT&T Assumptions**
		Service Order	Circuit Provisioning Center	Advanced Networking Division	470X		0.0000	0.0000	0.0000	0.0000			**Fallout** 2%
		Service Order	Work Management Center	Advanced Networking Division	4WXX		0.0000	0.0000	0.0000	0.0000			**NonStaff Travel** 20
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X		0.0003	0.0000	0.0000	0.0000			**Cross Connect**
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X		0.1367	0.0333	0.1367	0.0333			2
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			**Copper %**
													31%
FL	H.2.7	Virtual Collocation - 4-Wire Cross Connects				28							
		Service Order	Customer Point of Contact	Interconnection Operations	2300		0.0000	0.0000	0.0000	0.0000			
		Service Order	Circuit Provisioning Center	Advanced Networking Division	470X		0.0000	0.0000	0.0000	0.0000			
		Service Order	Work Management Center	Advanced Networking Division	4WXX		0.0000	0.0000	0.0000	0.0000			
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X		0.0003	0.0000	0.0000	0.0000			
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X		0.1700	0.0667	0.1700	0.0667			
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
FL	H.2.8	Virtual Collocation - DS1 Cross Connects				42							
		Service Order	Customer Point of Contact	Interconnection Operations	2300		0.0000	0.0000	0.0000	0.0000			
		Service Order	Network & Engineering Planning	Advanced Networking Division	31XX		0.0000	0.0000	0.0000	0.0000			
		Service Order	Circuit Provisioning Center	Advanced Networking Division	470X		0.0000	0.0000	0.0000	0.0000			
		Service Order	Network Plug-in Administration	Advanced Networking Division	341X		0.0000	0.0000	0.0000	0.0000			
		Service Order	Work Management Center	Advanced Networking Division	4WXX		0.0000	0.0000	0.0000	0.0000			
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X		0.0003	0.0000	0.0000	0.0000			
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X		0.1700	0.0667	0.1700	0.0667			
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
FL	H.2.9	Virtual Collocation - DS3 Cross Connects				42							
		Service Order	Customer Point of Contact	Interconnection Operations	2300		0.0000	0.0000	0.0000	0.0000			
		Service Order	Network & Engineering Planning	Advanced Networking Division	31XX		0.0000	0.0000	0.0000	0.0000			
		Service Order	Circuit Provisioning Center	Advanced Networking Division	470X		0.0000	0.0000	0.0000	0.0000			
		Service Order	Work Management Center	Advanced Networking Division	4WXX		0.0000	0.0000	0.0000	0.0000			
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X		0.0003	0.0000	0.0000	0.0000			
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X		0.1700	0.0667	0.1700	0.0667			
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X		0.0000	0.0000	0.0000	0.0000			

State	Cost Element #		Source	JFC	Cost Element Life (months)	(For use w/ one NR) Install Time (Hours)	Disconnect Time Hours	First Install Time (Hours)	First Disconnect Time Hours	Additional Install Time (Hours)	Additional Disconnect Time Hours	Nonrecurring Additive
FL	H.1.9	Physical Collocation - 2-Wire Cross Connects			25							**AT&T Assumptions**
												Fallout
		Service Order	Customer Point of Contact	Interconnection Operations	2300			0.0000	0.0000	0.0000	0.0000	2%
		Service Order	Circuit Provisioning Group	Advanced Networking Division	470X			0.0000	0.0000	0.0000	0.0000	**NonStaff Travel**
		Service Order	Work Management Center	Advanced Networking Division	4WXX			0.0000	0.0000	0.0000	0.0000	20
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	**Cross Connect**
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X			0.0003	0.0000	0.0000	0.0000	2
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X			0.1367	0.0333	0.1367	0.0333	**Copper %**
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	31%
FL	H.1.10	Physical Collocation - 4-Wire Cross Connects			28							
		Service Order	Customer Point of Contact	Interconnection Operations	2300			0.0000	0.0000	0.0000	0.0000	
		Service Order	Circuit Provisioning Group	Advanced Networking Division	470X			0.0000	0.0000	0.0000	0.0000	
		Service Order	Work Management Center	Advanced Networking Division	4WXX			0.0000	0.0000	0.0000	0.0000	
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X			0.0003	0.0000	0.0000	0.0000	
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X			0.1700	0.0667	0.1700	0.0667	
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	
FL	H.1.11	Physical Collocation - DS1 Cross Connects			42							
		Service Order	Customer Point of Contact	Interconnection Operations	2300			0.0000	0.0000	0.0000	0.0000	
		Service Order	Network & Engineering Planning	Advanced Networking Division	31XX			0.0000	0.0000	0.0000	0.0000	
		Service Order	Circuit Provisioning Group	Advanced Networking Division	470X			0.0000	0.0000	0.0000	0.0000	
		Service Order	Network Plug-in Administration	Advanced Networking Division	341X			0.0000	0.0000	0.0000	0.0000	
		Service Order	Work Management Center	Advanced Networking Division	4WXX			0.0000	0.0000	0.0000	0.0000	
		Engineering	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	
		Connect & Test	Circuit Provisioning Group	Advanced Networking Division	470X			0.0003	0.0000	0.0000	0.0000	
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X			0.1700	0.0667	0.1700	0.0667	
			Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	
FL	H.1.12	Physical Collocation - DS3 Cross Connects			42							
		Service Order	Customer Point of Contact	Interconnection Operations	2300			0.0000	0.0000	0.0000	0.0000	
		Service Order	Network & Engineering Planning	Advanced Networking Division	31XX			0.0000	0.0000	0.0000	0.0000	
		Service Order	Circuit Provisioning Group	Advanced Networking Division	470X			0.0000	0.0000	0.0000	0.0000	
		Service Order	Work Management Center	Advanced Networking Division	4WXX			0.0000	0.0000	0.0000	0.0000	
		Service Order	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	
		Engineering	Circuit Provisioning Group	Advanced Networking Division	470X			0.0003	0.0000	0.0000	0.0000	
		Connect & Test	CO Install & Mtce Field - Ckt & Fac	Advanced Networking Division	431X			0.1700	0.0667	0.1700	0.0667	
		Connect & Test	Access Customer Advocate Center	Advanced Networking Division	471X			0.0000	0.0000	0.0000	0.0000	

DIRECTORY TRANSPORT
FLORIDA

INPUT SHEET
PAGE 1 of 1

SUMMARY OF INPUTS

Line	Description	Job Function Codes (JFCs)	Function	Source	First Amount	Addl Amount	
1.	Installation per Trunk or Signaling Connection (Hours):						
2.	Switch & Trunk Based Translations	4N2X	Engineering	Network Services	1.50	0.05	AT&T 5ESS TOC Study
3.	Trunk & Carrier Group (TCG)	4N5X	Engineering	Network Services	0.10	0.05	
4.	CO Install & MTCE Field – Switch Equipment	430X	Connect & Test	Network Services	0.23	0.16	See NRC Model
5.							
6.	Disconnect per Trunk or Signaling Connection (Hours):						
7.	Switch & Trunk Based Translations	4N2X	Engineering	Network Services	1.50	0.05	AT&T 5ESS TOC Study
8.	Trunk & Carrier Group (TCG)	4N5X	Engineering	Network Services	0.05	0.05	
9.	CO Install & MTCE Field – Switch Equipment	430X	Connect & Test	Network Services	0.00	0.00	Managed bby OSS
10.							
11.	Cost Element Life in Months			Study Assumption	42		

AT&T/MCI ASSUMPTION:

Validate	0.50	hours
Assign Equip	0.25	hours
Recent Change	0.25	hours
In-effect	0.25	hours
Complete	0.25	hours
Total Provisioning	1.50	hours
Assumes electronic ordering		

	Source	Work Group	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	First Installation Time (Hours)	First Disconnect Time Hours	Additional Installation Time (Hours)	Additional Disconnect Time Hours	
1	Network	CUSTOMER POINT OF CONTACT (ICSC)	Service Order	2300	0.0100	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only.
2	Network	CO INSTALL & MTCE CKT & FAC (NTEL)	Service Order	431X	0.0000	0.0000	0.0000	0.0000	Not required.
3	Network	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	470X	0.0000	0.0000	0.0000	0.0000	Not required.
4	Network	ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	Service Order	471X	0.0000	0.0000	0.0000	0.0000	Not required.
5	Network	INSTALLATION & MTCE CENTER (IMC)	Service Order	401X	0.0000	0.0000	0.0000	0.0000	Not required.
6	Network	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	341X	0.0000	0.0000	0.0000	0.0000	Not required. EF&I of recurring captures.
7	Network	NETWORK & ENGINEERING PLANNING (FG20)	Engineering	31XX	0.0000	0.0000	0.0000	0.0000	No cost support.
8	Network	CIRCUIT PROVISIONING GROUP (CPG)	Connect & Test	470X	0.0058	0.0000	0.0058	0.0000	NRCM accounts only for fallout
9	Network	ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	Connect & Test	471X	0.0000	0.0000	0.0000	0.0000	Not required.
10	Network	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect & Test	431X	0.2292	0.1875	0.0000	0.0000	Using AT&T assumptions
11									
12									
13									
14									
15	Network	Cost element Life (Months) =		42					
16									
17									

18 **AT&T/MCI ASSUMPTIONS:**
19 Probability of Order fallout: 2%
20 AT&T assumes buying capacity, not dedicated (similar to BellSouth provisioning).
21 Pull&Analyze, continuity test, analyze monitoring data, intrusive test, close orde   13.75 minutes
   CPG - NRCM accounts only for fallout
   Pull & Analyze   2.5 minutes
   Clear jeopardy   15 minutes
   No disconnect cost, using Flexcom to perform own disc.
   Assumes electronic ordering

Maximum of 25 entries per Cost Element #

INPUTS
DS1 LOCAL CHANNEL

STATE: FLORIDA
DATE: OCTOBER 1997

		NONRECURRING LABOR					
		INSTALL		DISCONNECT			
	JFC/	WORKTIMES (HRS)		ORKTIMES (HRS)			
DESCRIPTION	PAYBAND	FIRST	ADDTL	FIRST	ADDTL	SOURCE	
39 **SERVICE ORDER**							
40 CUST PT OF CONT (ICSC)	2300	0.0100	0.0000	0.0000	0.0000	NETWORK	Allow 2% fallout per order (first) only
41 CO INSTALL & MTCE FIELD	431X	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
42 ACC CUST ADV CTR (ACAC)	471X	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
43 CKT PROV GRP (CPG)	470X	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
44 WORK MGT CTR (WMC)	4WXX	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
45 INST & MTCE-SP SVC (SSIM)	411X	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
46							
47 **ENGINEERING**							
48 OSP ENG (FG30)	32XX	0.0000	0.0000	0.0000	0.0000	NETWORK	All engineering grouped in CPG.
49 CKT PROV GRP (CPG)	470X	0.0108	0.0100	0.0000	0.0000	NETWORK	NRCM accounts only for fallout.
50 ADD & FAC INVENT (AFIG)	400X	0.0000	0.0000	0.0000	0.0000	NETWORK	All engineering grouped in CPG.
51 NTWK PLUG-IN ADMIN (PICS)	341X	0.0000	0.0000	0.0000	0.0000	NETWORK	All engineering grouped in CPG.
52							
53 **CONNECT & TEST**							
54 CO INSTALL & MTCE FIELD	431X	0.4867	0.4450	0.4867	0.4450	NETWORK	Using AT&T assumptions.
55 INST & MTCE-SP SVC (SSIM)	411X	0.0833	0.0417	0.0833	0.0417	NETWORK	Using AT&Tassumptions.
56 ACC CUST ADV CTR (ACAC)	471X	0.0000	0.0000	0.0000	0.0000	NETWORK	Not required
57							
58 **TRAVEL**							
59 INST & MTCE-SP SVC (SSIM)	411X	0.0000	0.0000	0.0000	0.0000	NETWORK	No cost support
60							
61							
62 COST ELEMENT LIFE IN MONTHS	42						
63							
64							

AT&T/MCI ASSUMPTIONS:
Assumes electronic ordering
Probability of Order fallout: **2%**
Travel time to non-staff C.O./ 4 work activities   **5 minutes**
Travel time within staff C.O./ 4 work activities   **5 minutes**
Non-staff Lines   **20%**
Setup and tear down/ 4 work activities   **3 minutes**
Pull & Analyze an close order   **4 minutes**   SSC
Pull & Analyze an close order   **4 minutes**   FMAC
Cross connect   **30 minutes**   **at protector frame, Toll Distribution Frame and DSX bay**
Copper %   **31%**
QRSS test via remote ITS   **5 minutes**   FMAC
 loop back test   **1 minutes**   SSC
Negotiate customer release on Disc   **20 minutes**
CPG - NRCM accounts only for fallout
Pull & Analyze   **2.5 minutes**
Clear jeopardy   **30 minutes**

State: FL
Workpaper: Inputs
Port Type: 4-Wire Analog Port
Cost Element: B.1.2

			Network				
30							
31	**Nonrecurring (Labor) Inputs**						
32	Worktimes (Hours) by JFC		Network				
33	**First Port**	Function	Job Function Code	Install	Disconnect		
34	Customer Point of Contact	Service Order	2300	0.0100	0.0000	Allow 2% fallout per order (first) only
35	Network Services Clerical	Connect & Test	2730	0.0032	0.0032	Time times Copper %
36	Recent Chng Line Trans	Connect & Test	4N1X	0.0078	0.0039	Time times Copper %
37	CO Inst & Maint - Ckt & Fac	Connect & Test	431X	0.0000	0.0000	Recover in Cross-Connect element
38	Acc Customer Advocate Cntr	Connect & Test	4AXX	0.0000	0.0000	Coordination performed by OSS
39						
40	**Additional Ports**					
41	Customer Point of Contact	Service Order	2300	0.0000	0.0000	
42	Network Services Clerical	Connect & Test	2730	0.0032	0.0032	
43	Recent Chng Line Trans	Connect & Test	4N1X	0.0078	0.0039	
44	CO Inst & Maint - Ckt & Fac	Connect & Test	431X	0.0000	0.0000	
45	Acc Customer Advocate Cntr	Connect & Test	4AXX	0.0000	0.0000	
46						
47	Location Life (Months)		CRIS Records	56		
48						
49	**AT&T/MCI ASSUMPTIONS:**					
50	Probability of Order fallout:	**2%**				
51	% Copper	**31%**	from Hatfield			
52	Assumes electronic ordering					
53						

Unbundled Local Exchange Port Features
Nonrecurring Labor Time Inputs
(WP11 worksheet)

Workpaper: 11
State: FL

State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description	JFC/ Payband	Installation Time (Hours)	Disconnect Time Hours	First Installation Time (Hours)	First Disconnect Time Hours	Additional Installation Time (Hours)	Additional Disconnect Time Hours
FL	B.2.1	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.1	28	Service Order	2300	0	0				
FL	B.2.2	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.2	28	Service Order	2300	0	0				
FL	B.2.3	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.3	28	Service Order	2300	0	0				
FL	B.2.4	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.4	28	Service Order	2300	0	0				
FL	B.2.5	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.5	28	Service Order	2300	0	0				
FL	B.2.6	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.6	28	Service Order	2300	0	0				
FL	B.2.7	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.7	28	Service Order	2300	0	0				
FL	B.2.8	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.8	28	Service Order	2300	0	0				
FL	B.2.9	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.9	28	Service Order	2300	0	0				
FL	B.2.10	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.10	28	Service Order	2300	0	0				
FL	B.2.11	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.11	28	Service Order	2300	0	0				
FL	B.2.12	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.12	28	Service Order	2300	0	0				
FL	B.2.13	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.13	28	Service Order	2300	0	0				
FL	B.2.15	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.15	28	Service Order	2300	0	0				
FL	B.2.16	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.16	28	Service Order	2300	0	0				
FL	B.2.17	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.17	28	Service Order	2300	0	0				
FL	B.2.18	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.18	28	Service Order	2300	0	0				
FL	B.2.19	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.19	28	Service Order	2300	0	0				
FL	B.2.20	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.20	28	Service Order	2300	0	0				
FL	B.2.21	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.21	28	Service Order	2300	0	0				
FL	B.2.22	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.22	28	Service Order	2300	0	0				
FL	B.2.23	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.23	28	Service Order	2300	0	0				
FL	B.2.24	28	Service Order	2300	0.005833	0.005633				
FL	B.2.24	28	Connect and Test	4321	0	0				
FL	B.2.25	60	Service Order	2300	0.005833	0.005633				
FL	B.2.25	60	Connect and Test	4321	0	0				
FL	B.2.26	60	Service Order	2300	0.005833	0.005633				
FL	B.2.26	60	Connect and Test	4321	0	0				
FL	B.2.27	60	Service Order	2300	0.005833	0.005633				
FL	B.2.27	60	Connect and Test	4321	0	0				
FL	B.2.28	28	Service Order	2300	0.005833	0.005633				
FL	B.2.28	28	Connect and Test	4320	0.005833	0.005633				
FL	B.2.28	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.29	28	Service Order	2300	0	0				
FL	B.2.29	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.30	28	Service Order	2300	0	0				
FL	B.2.30	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.31	28	Service Order	2300	0	0				
FL	B.2.31	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.32	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.32	28	Service Order	2300	0	0				
FL	B.2.33	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.33	28	Service Order	2300	0	0				
FL	B.2.34	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.34	28	Service Order	2300	0	0				
FL	B.2.35	28	Service Order	2300	0	0				
FL	B.2.35	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.36	60	Service Order	2300	0	0				
FL	B.2.36	60	Connect and Test	4321	0.005833	0.005633				
FL	B.2.37	28	Service Order	2300	0	0				
FL	B.2.37	28	Connect and Test	4321	0.005833	0.005633				
FL	B.2.40	28	Service Order	2300			0.0833	0.0500	0.0167	0.0000

NRCM accounts only for fallout
Probability of fallout: 2%
Pull & Analyze: 2.5 minutes
Clear jeopardy: 15 minutes
Assumes electronic ordering

features.xls

NONRECURRING COST STUDY INPUT   ----ASSUMES MANUAL SERVICE ORDER ENTRY----
2 WIRE HDSL COMPATIBLE LOOP

				LOCATION LIFE (MOS.):	25		

STATE: FL
COST ELEMENT #:   A.7.1

			(A)		(B)		
LEVEL:	1997 - 1999		INSTALL WORKTIMES (HRS)		DISCONNECT WORKTIMES (HRS)		
DESCRIPTION	**SME**	**JFC**	**FIRST**	**ADDTL**	**FIRST**	**ADDTL**	
SERVICE INQUIRY							
LCSC receives svc request & initiates manual svc inquiry to OSPE	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Not required.
OSPE reviews request, assigns FRN, & returns svc inquiry to LCSC	Network	32XX	0.0000	0.0000	0.0000	0.0000	Non-loaded loop, no need for review. OSS manages.
SERVICE ORDER							
LCSC receives svc inquiry, responds to ALEC & issues svc order	Interconn Svcs	2300	0.0108	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only
LCSC incremental work effort associated with no facilities available							
- LCSC responds to ALEC--service order issued w/FID to bill special construction charges	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Special construction charges capture costs.
WMC coordinates dispatched technicians	Network	4WXX	0.0000	0.0000	0.0000	0.0000	WFA OSS manages technician dispatch
ACAC coordinates overall administration of svc order	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
SSIM processes svc request	Network	411X	0.0000	0.0000	0.0000	0.0000	Not involved in service order
ENGINEERING							
AFIG assigns facilities	Network	400X	0.0000	0.0000	0.0000	0.0000	Managed by OSS.
CPG processes svc request & generates DLR & word document to ALEC & field	Network	470X	0.0108	0.0100	0.0000	0.0000	Allow 2% fallout
CONNECT & TURN-UP TEST							
CO I&M Field work grp connects facility at collocation site	Network	431X	0.0000	0.0000	0.0000	0.0000	Recover in Cross-Connect element
ACAC coordinates overall service turnup	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
SSIM makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	411X	0.1500	0.1083	0.1250	0.0833	Pull & Analyze+test+close+travel
TRAVEL							
SSIM (incidental travel time which is not captured in NID/drop investment)	Network	411X	0.0000	0.0000	0.0000	0.0000	No support. Should be recurring recovery.

AT&T/MCI ASSUMPTIONS:

Probability of Order fallout:	**2%**	
Fallout - Pull and Analyze order (copper):	2.5	minutes
Fallout - Close order (copper):	1.5	minutes
Fallout - Clear Jeopardy	30	minutes
Travel/ 4 work orders	5	minutes
Non-Staffed Lines	**20%**	
Cross-wire at Low Profile MDF	1	minutes
Cross-wire at IDF	2	minutes
Testing	1	minutes
Assumes electronic ordering		

NONRECURRING COST STUDY INPUT

4 WIRE HDSL COMPATIBLE LOOP

—ASSUMES MANUAL SERVICE ORDER ENTRY—

			LOCATION LIFE (MOS.):		28	
STATE:			FL			
COST ELEMENT #:			A.8.1			
LEVEL:			1997 - 1999			

DESCRIPTION	SME	JFC	(A) INSTALL WORKTIMES (HRS)		(B) DISCONNECT WORKTIMES (HRS)		
			FIRST	ADDTL	FIRST	ADDTL	
SERVICE INQUIRY							
LCSC receives svc request & initiates manual svc inquiry to OSPE	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Not required.
OSPE reviews request, assigns FRN, & returns svc inquiry to LCSC	Network	32XX	0.0000	0.0000	0.0000	0.0000	Non-loaded loop, no need for review. OSS manages.
SERVICE ORDER							
LCSC receives svc inquiry, responds to ALEC & issues svc order	Interconn Svcs	2300	0.0108	0.0000	0.0000	0.0000	Allow 2% fallout per order (first) only
LCSC incremental work effort associated with no facilities available							
- LCSC responds to ALEC—service order issued w/FID to bill special construction charges	Interconn Svcs	2300	0.0000	0.0000	0.0000	0.0000	Special construction charges capture costs.
WMC coordinates dispatched technicians	Network	4WXX	0.0000	0.0000	0.0000	0.0000	WFA OSS manages technician dispatch
ACAC coordinates overall administration of svc order	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
SSIM processes svc request	Network	411X	0.0000	0.0000	0.0000	0.0000	Not involved in service order
ENGINEERING							
AFIG assigns facilities	Network	400X	0.0000	0.0000	0.0000	0.0000	Managed by OSS.
CPG processes svc request & generates DLR & word document to ALEC & field	Network	470X	0.0108	0.0100	0.0000	0.0000	Allow 2% fallout
CONNECT & TURN-UP TEST							
CO I&M Field work grp connects facility at collocation site	Network	431X	0.0000	0.0000	0.0000	0.0000	Recover in Cross-Connect element
ACAC coordinates overall service turnup	Network	471X	0.0000	0.0000	0.0000	0.0000	Coordination performed by OSS
SSIM makes x-conn @ x-box, tests circuit w/CO @ prem & x-box, tags circuit & completes order	Network	411X	0.4167	0.2917	0.1750	0.1333	Pull & Analyze+test+close+travel
TRAVEL							
SSIM (incidental travel time which is not captured in NID/drop investment)	Network	411X	0.0000	0.0000	0.0000	0.0000	No support. Should be recurring recovery.

AT&T/MCI ASSUMPTIONS:

Probability of Order fallout:	2%	
Fallout - Pull and Analyze order (copper):	2.5	minutes
Fallout - Close order (copper):	1.5	minutes
Fallout - Clear Jeopardy	30	minutes
Travel/ 4 work orders	5	minutes
Non-Staffed Lines	20%	
Pull and Analyze order (SSC&FMAC):	5	minutes
Close order (SSC&FMAC):	3	minutes
Cross-wire at Low Profile MDF	2	minutes
Cross-wire at IDF	4	minutes
Testing	6	minutes
Assumes electronic ordering		