## ORIGINAL

### ITC^DELTACOM COMMUNICATIONS, INC.

-

#### **REBUTTAL TESTIMONY OF THOMAS HYDE**

Before the Florida Public Service Commission Docket No. 990750-TP Petition for Arbitration of ITC^DeltaCom Communications, Inc. with BellSouth Telecommunications, Inc. September 13, 1999

> DOCUMENT NUMBER-DATE 10973 SEP 13 8 FESD-RECORDS/REPORTING

.

#### CERTIFICATE OF SERVICE DOCKET NO. 990750-TP

I hereby certify that a true and correct copy of the foregoing has been furnished this day of September, 1999 to the following:

Diana Caldwell Staff Counsel Florida Public Service Commission Division of Legal Services 2540 Shumard Oak Blvd. Tallahassee, Florida 32399-0850 (hand-delivery)

R. Douglas Lackey Thomas B. Alexander E. Earl Edenfield, Jr. BellSouth Telecommunications, Inc. Suite 4300, BellSouth Center 675 W. Peachtree Street, N.E. Atlanta, Georgia 30375 (U.S. Mail) Nancy B. White Michael P. Goggin BellSouth Telecommunications, Inc. 150 South Monroe Street Suite 400 Tallahassee, Florida 32301 (hand-delivery)

J. Michael Huey (Fla. Bar # 0130971) J. Andrew Bertron, Jr. (Fla. Bar # 982849) Huey, Guilday & Tucker, P.A. 106 E. College Ave., Suite 900 (32301) Post Office Box 1794 Tallahassee, Florida 32302 850/224-7091 (telephone) 850/222-2593 (facsimile)

a\itc\expertHyde\coversheet.wpd



1	<b>Q</b> .	PLEASE STATE YOUR NAME, POSITION AND BUSINESS
2		ADDRESS.
3	<b>A</b> .	My name is Thomas Hyde. I am Senior Manager – Industry Relations
4		for ITC^DeltaCom Communications Inc., ("ITC^DeltaCom"). My
5		business address is 1530 DeltaCom Drive Anniston, Alabama 36202.
6		
7	Q.	ARE YOU THE SAME THOMAS HYDE THAT FILED DIRECT
8		TESTIMONY IN THIS PROCEEDING?
9	Α.	Yes.
10		
11	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY?
12	А.	I will rebut certain testimony filed by BellSouth in this docket.
13		
14		Issue 7: [ITC^DeltaCom Issue 2(b)(ii)] - Until the Commission makes a
15	ŀ	decision regarding UNEs and UNE combinations, should BellSouth be
16		required to continue providing those UNEs and combinations that it is
17		currently providing to ITC^DeltaCom under the interconnection
18	l.	agreement previously approved by this Commission?
19	L	
20	Q:	WITNESS VARNER STATES THAT BELLSOUTH SHOULD BE ABLE
21		TO DECIDE WHICH COMBINATIONS IT WILL OFFER IN SEPARATE
22		COMMERCIAL AGREEMENTS UNTIL THE FCC ISSUES ITS NEW
23		ORDER ON UNES. DO YOU AGREE WITH HIS POSITION?

• •

.

A: No. First, I believe that this Commission has all necessary authority to
require the Parties to maintain the status quo until the FCC's final
decision on UNEs is issued. Again, ITC^DeltaCom simply wants to
maintain the status quo until the FCC order on UNEs and any UNE
combinations is issued.

6

# Q. WHAT IS ITC^DELTACOM'S POSITION ON BELLSOUTH'S OFFER TO PROVIDE CERTAIN UNE COMBINATIONS?

9 The list of UNEs that BellSouth has "volunteered" to combine involve Α. 10 only those that BellSouth has refused to allow ALECs to directly 11 connect to. A UNE will not work by itself - it must be connected to 12 something to work. If BellSouth refuses to allow an ALEC to directly 13 connect to any UNE, BellSouth *must* provide that UNE combined to 14 another UNE that an ALEC may connect to. In other words, if BellSouth had not "volunteered" to combine those UNEs the 15 16 appropriate regulatory authorities would certainly have ordered 17 BellSouth to either combine them or else allow direct connection to 18 those UNEs.

19

Issue 8(a): [ITC^DeltaCom Issue 2(b)(iii)] – Should BellSouth be
 required to provide ITC^DeltaCom extended loops or the loop/port
 combination?

WITNESS VARNER STATED THAT BELLSOUTH IS WILLING TO 1 **Q**. PROVIDE COMBINATIONS IN A "SIDEBAR" AGREEMENT. HAS 2 BELLSOUTH MADE SUCH A PROPOSAL TO ITC^DELTACOM? 3 Yes. However, the "sidebar" agreement that BellSouth presented to 4 Α. 5 ITC^DeltaCom did not address ITC^DeltaCom's extended loops. ITC^DeltaCom requested that BellSouth offer ITC^DeltaCom a solution 6 7 that would address our extended loops. BellSouth has failed to do so. 8 9 Q. WITNESS VARNER HAS STATED THAT BELLSOUTH HAS NO 10 **OBLIGATION TO PROVIDE EXTENDED LOOPS. DO YOU AGREE?** 11 Α. No. The current interconnection agreement, paragraph IV B14 states: 12 "The parties shall attempt in good faith to mutually devise and 13 implement a means to extend the unbundled loop sufficient to 14 enable DeltaCom to use a collocation arrangement at one 15 BellSouth location per LATA (e.g., tandem switch) to obtain 16 access to unbundled loop(s) at another such BellSouth location 17 over BellSouth facilities." 18 There is no way to comply with the provisions of VI B14 except to 19 provide extended loops. I do not understand how BellSouth can 20 reconcile the good faith provisions of the existing Commission approved 21 interconnection agreement and still claim that they have no obligation to 22 continue to provide the service.

BellSouth has provided ITC^DeltaCom more than two thousand five 1 hundred extended loops. It is difficult to comprehend how a company 2 such as BellSouth could provide ITC^DeltaCom more than 2500 3 extended loops under the provisions of paragraph IV B14 and still claim 4 5 that it was under no obligation to continue to do so. In order to maintain the status quo, it is necessary for BellSouth to continue to provide 6 extended loops to ITC^DeltaCom. Even more disturbing is Mr. Varner's 7 statement in his testimony in other jurisdictions<sup>1</sup> that "BellSouth never 8 intended to provide ITC^DeltaCom with extended loops." If we are to 9 10 believe that the provision of more than 2500 extended loops by 11 BellSouth was "just a mistake", it would now appear that BellSouth 12 never intended to honor the good faith negotiation provision of 13 paragraph IV B14 of the existing agreement.

14

#### 15 Q. HOW DID ITC^DELTACOM START THE EXTENDED LOOP

#### 16 PROCESS WITH BELLSOUTH?

- 17 A. Shortly after the interconnection agreement was signed, ITC^DeltaCom
- 18 went to BellSouth with our proposed extended loop arrangement.
- 19 BellSouth accepted that arrangement and began installing service.
- 20 BellSouth continued to accept orders for extended loops until March of
- 21 1999 when ITC^DeltaCom complained about the quality of service
- 22 being provided.

<sup>&</sup>lt;sup>1</sup> See, for example, Page 30 Line 20 of the Direct Testimony of Alphonso J. Varner before the Public Service Commission of South Carolina, Docket 1999-259-C filed August 25, 1999.

1Q.WHAT IS ITC^DELTACOM'S POSITION ON BELLSOUTH'S CLAIM2ON PAGE 24 OF WITNESS VARNER'S TESTIMONY THAT3EXTENDED LOOPS REPLICATE OTHER TARIFFED SERVICES4AND THEREFORE PROVIDING EXTENDED LOOPS WOULD5LOWER THE REVENUE RECEIVED FOR THOSE ALTERNATE6SERVICES.

7 Α. Both aspects of Mr. Varner's assumption are incorrect. First, the 8 access service that Mr. Varner claims is replicated by extended loops is 9 voice grade special access. Specifically the end-link available from the 10 BellSouth Florida access "E" tariff and the BellSouth FCC Tariff No. 1 11 that combines dedicated transport with a local channel to the end-user's 12 premises. The BellSouth access tariffs offer voice grade service in 13 several different technical specification packages. Not a single one of 14 those packages is available for UNEs. Instead, the technical 15 specifications for UNEs are limited by BellSouth to those in the 16 BellSouth developed UNE technical specifications. Those UNE 17 specifications are inferior to the specifications provided for any one of 18 the special access packages. In addition, the special access trouble 19 restoration target is two hours. The UNE trouble restoration target is 20 twenty-four hours.

21

BellSouth would have this Commission believe that the UNEs provided
by BellSouth with an inferior grade of technical parameters and with

trouble restoration that is *twelve* times longer than access are equal. 1 2 Combinations of UNEs no more replicate tariffed services than a 3 Chevrolet replicates a Rolls Royce. Certainly both are cars, but there is 4 a tremendous amount of difference between them and those 5 differences are reflected in their prices. There is just as much 6 difference between combinations of UNEs and tariffed services. It is 7 interesting to note that on page 5 of Witness Milner's testimony that 8 BellSouth recognizes that if a ALEC needs the technical specifications 9 of a tariffed private line or access service, the ALEC may request, 10 through a Bona Fide Request (BFR), and at an additional cost, those 11 additional transmission parameters that would make a UNE equal to a 12 tariffed service. Until such time as BellSouth provides combinations of 13 UNEs with the same quality of service and the same trouble restoration 14 parameters as access, BellSouth will have no justification to their claim 15 that combinations of UNEs replicates access service (or any other 16 tariffed service). Second, the UNE loops provided by BellSouth are of 17 course priced at the UNE rates. However, BellSouth is not foregoing 18 any access revenue on the transport provided as part of the extended 19 loops.

20

#### 21 Q. HAS BELLSOUTH THREATENED TO DISCONNECT

22 ITC^DELTACOM's EXISTING CUSTOMERS SERVED VIA

#### 23 EXTENDED LOOPS?

1	Α.	Yes. As I stated above, after ITC^DeltaCom complained about the
2		service quality of the extended loops, BellSouth started rejecting orders
3		for extended loops. BellSouth then threatened to disconnect all existing
4		extended loops. With the threat of loss of service to more than 2500
5		loops – some of which had been in service more than one year,
6		ITC^DeltaCom had no choice but to file collocation applications for
7		more than 50 BellSouth central offices to prevent disruption of service
8		to ITC^DeltaCom's customers. ITC^DeltaCom was never given any
9		reassurance that BellSouth would leave the existing extended loops in
10		service even long enough to convert to non-extended loops.
11		ITC^DeltaCom respectfully requests this Commission to maintain the
12		status quo and require the provision of extended loops in Florida
13		pending the final decision of the FCC in the UNE proceeding.
14		
15		Issue 39 and Issue 40: [ITC^DeltaCom Issue 6(b)]
16		39. What are the appropriate recurring and non-recurring rates and
17		charges for: (a) two-wire ADSL/HDSL compatible loops, (b) four wire
18		ADSL/HDSL compatible loops, or (c) two-wire SL1 loops.
19		40. Should BellSouth be required to provide: (a)(1) two-wire SL2 loops
20	   	or (a)(2) two-wire SL2 loop Order Coordination for Specified Conversion
21		Time? (b) If so, what are the appropriate recurring and non-recurring
22		rates and charges?

.

Q. BELLSOUTH'S POSITION ON ADSL RATES IS THAT THE RATES
 CONTAINED IN THE APRIL 29, 1998 ORDER SHOULD APPLY. DO
 YOU AGREE?

No. The non-recurring charge (NRC) for ADSL should be the NRC for 4 Α. 5 an equivalent voice grade loop plus an incremental cost for checking to see if the loop will meet the ADSL criteria. BellSouth does not provide 6 any conditioning, or additional work of any type beyond that necessary 7 8 for an equivalent voice grade UNE loop, on the ADSL loop as part of 9 the basic ADSL loop NRC. Any conditioning performed by BellSouth to make a loop ADSL compatible is charged separately under special 10 11 construction charges. These special construction charges are usually 12 for removing any load coils and bridge taps from the loop.

13

# 14 Q. HOW IS AN ADSL COMPATIBLE UNE LOOP DIFFERENT FROM 15 ADSL SERVICE OR A VOICE GRADE UNE LOOP?

16 Α. ADSL is an overlay service placed on voice grade facilities. That is 17 correct whether BellSouth provides ADSL on an existing exchange 18 service (via an ADSL compatible loop) or a ALEC provides ADSL on an 19 ADSL compatible UNE loop. The advanced service associated with 20 ADSL is a function of the central office and customer premises 21 equipment, not a function of the loop. The loop itself is old copper 22 technology (BellSouth's first copper pair loop installed over one 23 hundred years ago was ADSL compatible). Since ADSL is only an overlay on voice grade loops, BellSouth's claim that ADSL is always a
designed service is based on BellSouth's faulty assumptions. ADSL
may be an overlay to an undesigned SL1 loop (as BellSouth chooses to
provide for itself) or it may be an overlay to a designed SL2 (as
ITC^DeltaCom intends to order). Thus, the appropriate NRC for ADSL
is the NRC for an equivalent voice grade loop plus an incremental cost
for checking to see if the loop will meet the ADSL criteria.

8

### 9 Q. BELLSOUTH COST STUDIES FOR ADSL ASSUMES THAT A 10 DISPATCH IS ALWAYS REQUIRED ON ADSL UNE LOOPS AND 11 THAT ADSL LOOPS ARE ALWAYS DESIGNED. DO YOU AGREE?

12 Α. No. It is important to note that the dispatch assumed by BellSouth is 13 the same dispatch that is necessary for the installation of a loop 14 regardless of whether or not that loop is the BellSouth retail exchange 15 service loop or a UNE loop. Dispatch of a technician to the customer 16 premises for ADSL alone is more a function of non-regulated customer 17 premises equipment than of the loop itself. If an end user is served by 18 an existing non-loaded copper facility (plain old copper wire), no 19 dispatch is required to convert that end user to ADSL UNE loops. If 20 that end user is <u>not</u> served by an existing non-loaded copper facility, 21 then ITC^DeltaCom will be required to pay special construction charges 22 that will cover any dispatch required to "condition" the loop.

This claim by BellSouth that dispatch is required 100% of the time on 1 ADSL compatible UNE loops also illustrates the lack of a forward-2 looking cost study. BellSouth assumed in their cost study that there 3 would not be any BellSouth ADSL service that could be lost to 4 5 competition. At the time the cost study was filed, that may have 6 represented the existing, historical condition. However, today there are 7 BellSouth ADSL customers in Florida and a forward-looking study 8 would have allowed for competitive losses to those existing BellSouth 9 ADSL customers. Conversion of an existing BellSouth ADSL service to 10 ADSL UNE loop would not require a dispatch since the loop is already 11 ADSL compatible. Work would only be required in the central office.

12 BellSouth also failed to take into account those existing BellSouth 13 exchange service customers served by an ADSL compatible (plain old 14 copper) loop that would convert to an ALEC service and add the ADSL 15 capability. These situations would also not require dispatch. In 16 addition, there will be some quantity of idle ADSL compatible spare 17 loops already connected to NIDs that will not require dispatch. The end 18 result of the position taken by BellSouth is the raising of artificial, anticompetitive barriers to ALEC entry into the ADSL market. 19

20

# 21Q.WHY DID YOU REFERENCE THE NRC ASSOCIATED WITH22BELLSOUTH'S ADSL SERVICE IN THEIR FCC TARIFF NO. 1?

The \$100 NRC for ADSL service in BellSouth's FCC Tariff No. 1 1 Α. contains costs for at least two functions. The majority of the costs are 2 associated with installation of the central office ADSL equipment and 3 connection of that equipment with transport Permanent Virtual Circuits 4 (PVCs). A very small portion of the costs are to verify through loop 5 6 records that the loop is "plain old copper" without such equipment as load coils and bridge taps. That very small percentage of the ADSL 7 8 service NRC costs would also apply to ADSL UNE loop NRC costs. 9 BellSouth has not yet furnished those cost studies so I cannot 10 determine the exact amount of the additive, but it could be as low as \$1 11 or \$2. This cost should then be added to the appropriate voice grade 12 UNE loop NRC cost.

13

# 14 Q. HAS BELLSOUTH PRODUCED AN APPROPRIATE VOICE GRADE 15 UNE LOOP NRC COST TO APPLY TO ADSL?

16 A. No. In their recurring ADSL cost study BellSouth has recognized that 17 the extra costs associated with digital loop carrier are not appropriate to 18 ADSL since ADSL will not work with digital loop carrier and also that the 19 ADSL loops are shorter and thus less costly. Those costs are reflected 20 in ADSL recurring rates that are less than voice grade rates. There are 21 extra NRC costs associated with digital loop carriers that must also be 22 removed from any costs associated with ADSL NRCs.

23

# 1Q.ARE YOU RECOMMENDING ANY NON-RECURRING CHARGES TO2THE FLORIDA COMMISSION?

A. Yes. Attached as Rebuttal Exhibit TAH-4 are Non-Recurring Charges
(NRC) for 2-Wire Voice Grade SL1, 2-Wire Voice Grade SL2 and
ADSL/HDSL Compatible loops. These costs were developed using
BellSouth's cost calculator with modified inputs. The inputs were
modified are as follows:

Additional loop work times were adjusted to reflect efficiencies of
 multiple loops on a single order (Typically by reducing the additional
 worktime by 50% until BellSouth can file cost studies reflecting
 those efficiencies)

12 The ADSL modifications used the Voice Grade SL2 costs and 13 added time for verifying the facilities for ADSL compatibility (This 14 does not mean that ADSL requires an SL2, only that ITC^DeltaCom 15 plans to use the SL2 for the ADSL overlay. As mentioned above, 16 this methodology results in an overstatement of ADSL costs 17 because the SL2 NRC includes incremental costs associated with 18 subscriber line carrier that will not be included on any ADSL loop.) 19 The ADSL/HDSL disconnect costs would be the same as Voice 20 Grade loops.

The NRCs on Rebuttal Exhibit TAH-4 represent a first step toward
 actual forward-looking costs, but still contain some unnecessary costs

- which cannot be identified until BellSouth files a cost study that
   complies with the FCC's reinstated rules.
- 3

Issue 1: [ITC^DeltaCom Issue 1(a)] Should BellSouth be required to
comply with the performance measures and guarantees for preordering/ordering, resale, and unbundled network elements ("UNEs"),
provisioning, maintenance, interim number portability and local number
portability, collocation, coordinated conversions and the bona fide
request processes as set forth fully in Attachment 10 of Exhibit A to this
Petition?

- 12 Q: WHY ARE PERFORMANCE GUARANTEES NEEDED?
- A: Performance guarantees are not a new concept as BellSouth provides
   such guarantees in its tariffs today. ITC^DeltaCom believes that it is
   critical for local competition and for the purposes of executing this
   interconnection agreement that performance measures and guarantees
- 17 are included and filed and approved by this Commission.
- 18

19

20

11

Issue 3(b)(2): [ITC^DeltaCom Issue 2] Pursuant to the definition of
parity, should BellSouth be required to provide UNEs?

21

22 Q. ON PAGE 19 WITNESS VARNER CLAIMS THAT PARITY WITH 23 RETAIL IS NOT POSSIBLE BECAUSE BELLSOUTH DOES NOT 1

#### **PROVIDE ITSELF UNES. IS THIS A VALID OBJECTION?**

No. As I am sure this Commission is aware, a similar situation occurred 2 Α. with intraLATA toll. Access rates were imputed to the toll rates because 3 the ILECs did not bill themselves access. Access functions are, of 4 course, required for toll to interconnect with the public switched 5 network. The situation is the same with local service. Even though 6 BellSouth does not bill itself UNE rates for the local service they 7 provide, the loop and switch UNE functions are required for any 8 BellSouth retail local service to function. BellSouth realizes that local 9 10 service is made up of combinations of UNE equivalents since they have 11 gone to great lengths to try to substantiate their claims that a combination of loop and port UNEs is the same as local retail service. 12 13 There are other BellSouth retail services that require the transport 14 function in addition to the loop and switch function. Therefore, even if 15 BellSouth does not "provide UNEs to themselves", they provide 16 functionally identical facilities and equipment. Claims to the contrary would amount to using semantics to play games with reality. 17 18 The maintenance parameters for UNEs, just as it is with access, should 19 be set at a more stringent level than the end-to-end retail service in 20 order to have equal treatment. ITC^DeltaCom has not requested the 21 maintenance parameters to be set at the more appropriate end link 22 levels, but has held that ITC^DeltaCom could compete effectively with 23 only retail parity.

1		At this time ITC^DeltaCom is not requesting this Commission to
2		immediately impute UNE rates to local service due to the significant
3		levels of retail rate shock that would occur. However, unless BellSouth
4		demonstrates willingness to provide UNEs at parity with its retail
5		services and at rates that allow meaningful competition to develop,
6		ITC^DeltaCom recommends that this Commission establish a generic
7		docket to consider phasing in the imputation of UNE rates to local
8		services.
9		
10		Issue 2: [ITC^DeltaCom Issue1(b)] Should BellSouth be required to
11		waive any nonrecurring charges when it misses a due date?
11 12		waive any nonrecurring charges when it misses a due date?
	Q.	BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING
12	Q.	
12 13	Q.	BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING
12 13 14	Q. A.	BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID
12 13 14 15		BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID ITC^DELTACOM DEVELOP THIS CONCEPT?
12 13 14 15 16		BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID ITC^DELTACOM DEVELOP THIS CONCEPT? ITC^DeltaCom did not develop the concept of non-recurring charge
12 13 14 15 16 17		BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID ITC^DELTACOM DEVELOP THIS CONCEPT? ITC^DeltaCom did not develop the concept of non-recurring charge waiver. BellSouth currently has performance guarantees in its tariffs.
12 13 14 15 16 17 18		BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID ITC^DELTACOM DEVELOP THIS CONCEPT? ITC^DeltaCom did not develop the concept of non-recurring charge waiver. BellSouth currently has performance guarantees in its tariffs. See Rebuttal Exhibit CJR-4 for copies of those tariffs. As part of those
12 13 14 15 16 17 18 19		BELLSOUTH OBJECTS TO WAIVER OF NON-RECURRING CHARGES WHEN BELLSOUTH MISSES A DUE DATE. HOW DID ITC^DELTACOM DEVELOP THIS CONCEPT? ITC^DeltaCom did not develop the concept of non-recurring charge waiver. BellSouth currently has performance guarantees in its tariffs. See Rebuttal Exhibit CJR-4 for copies of those tariffs. As part of those performance guarantees, BellSouth agrees to waive the non-recurring

Issue 3(b)(5): [ITC^DeltaCom Issue 2(a)(iv)] – Pursuant to the definition of parity, should BellSouth be required to provide an unbundled loop using Integrated Digital Loop Carrier (IDLC) technology?

1

2

3

4

## 5 Q. BELLSOUTH WITNESSES VARNER AND MILNER STATE THAT 6 LOOP UNES CANNOT BE PROVIDED VIA IDLC. IS THIS 7 CORRECT?

8 No. BellSouth is currently providing ITC^DeltaCom loop UNEs via the Α. 9 "side door" IDLC methodology that splits the loop off the switch. The quantities are small but are proof that the methodology is valid. 10 BellSouth installed these IDLC UNE loops at their own discretion and 11 12 ITC^DeltaCom was not informed. ITC^DeltaCom only found out about 13 the IDLC provisioning during tests for service turn-up. However, if it 14 works for these instances, it will work in other instances and should be mandated for more extensive use. BellSouth's claims that the non-15 16 IDLC loops that it provides "meets the technical criteria for that loop" is 17 disingenuous since the technical criteria used is BellSouth's criteria and 18 does not provide the required parity for full competition.

In addition, BellSouth claims that "When BellSouth's retail customers
are served via Integrated Digital Loop Carrier ("IDLC"), BellSouth
should and does make those loops available to CLPs..." In reality,
BellSouth does not make those loops available but instead provides the
UNE loop on different (non-IDLC) facilities that are frequently of a lower

1		quality. This Commission should require BellSouth to provide IDLC
2		loops with digital connectivity.
3		
4		Issue 8: [ITC^DeltaCom Issue 2(b)(i)] Pursuant to the definition of
5		parity, should BellSouth be required to provide priority guidelines for
6	-	repair and maintenance and UNE provisioning?
7		
8	Q:	DOES BELLSOUTH STATE THAT IT CAN PROVIDE THE SAME
9		PRIORITY TO ITC^DELTACOM CUSTOMERS SERVED VIA UNES?
10	A:	ITC^DeltaCom is pleased to learn that BellSouth will provide the same
11		restoration as provided to BellSouth's retail customers. ITC^DeltaCom
12		believes that sufficient guidelines for this restoration do not currently
13		exist. ITC^DeltaCom will gladly negotiate with BellSouth to develop
14		these guidelines.
15		
16		Issues 9 and 10: [ITC^DeltaCom Issue 2(b)(iv)] 9. Should BellSouth be
17		required to provide UNE testing results to ITC^DeltaCom? If so, how?
18		10. Should the parties be required to perform cooperative testing within
19		two hours of a request from the other party?
20		
21	Q:	WHAT IS ITC^DELTACOM'S POSITION ON THESE ISSUES?

1	A:	It is my understanding that these issues has been resolved by the
2		parties; however, ITC^DeltaCom reserves the right to file supplemental
3		testimony on these issues, should they be further disputed.
4		
5		Issue 11: [ITC^DeltaCom Issue 2(c)(I)] Should BellSouth be required to
6		provide NXX testing functionality to ITC^DeltaCom? If so, how?
7	L	
8	Q.	WHAT IS ITC^DELTACOM'S POSITION ON NXX TESTING?
9	Α.	Due to errors and omissions in BellSouth translations of ITC^DeltaCom
10		NXX codes, ITC^DeltaCom has found it necessary to dispatch
11		technicians to remote locations so that they could place test calls
12		through local service provided by BellSouth to insure that the
13		translations have been correctly installed by BellSouth. In fact, in four
14		out of the last five NXXs implemented by ITC^DeltaCom in Florida
15		BellSouth has failed to implement the proper translations in their offices.
16		These BellSouth errors were not discovered until ITC^DeltaCom began
17		to install service to end-users. A request was made in late 1997 for
18		BellSouth to assist in the testing of translations. BellSouth responded
19		by recommending that ITC^DeltaCom place orders for FX lines or
20		Centrex service to every BellSouth end office if we wanted to gain
21		access to the BellSouth switches to test our NXX codes.

Establishing FX or Centrex service to the hundreds of BellSouth end offices is not cost effective for ITC^DeltaCom and would not be cost

1 effective for BellSouth if they were placed in a similar position. 2 ITC^DeltaCom recommends that BellSouth provide access to the 3 BellSouth FX test network that BellSouth uses today for responses to 4 trouble tickets. At a minimum, ITC^DeltaCom should have automated 5 tests of the NXX codes in all end offices with correction of any errors or omissions found during those tests. This level of testing is necessary to 6 7 assure that the quality of the network is maintained at high levels. 8 ITC^DeltaCom has recommended a solution to this problem to 9 BellSouth using a Remote Call Forwarding methodology and is waiting 10 on a response from BellSouth.

11

12

13

14

Issue 12: [ITC^DeltaCom Issue 2(c)(ii)] – What should the installation interval for the following loop cutovers: (a) single; (b) multiple?

# 15Q.HASBELLSOUTHCORRECTLYSTATEDITC^DELTACOM'S16POSITION ON THE ISSUE OF 15 MINUTE CUTOVERS?

17 Α. No. ITC^DeltaCom agrees that the complete cutover may take longer 18 that 15 minutes depending on, among other things, the number of loops 19 involved. ITC^DeltaCom's position is that the customer's service 20 should not be interrupted longer that 15 minutes between the 21 disconnection of the old service and the connection of BellSouth's 22 facilities to ITC^DeltaCom's collocation space. Any problems occurring 23 in ITC^DeltaCom's facilities or equipment would not count as part of the 1 15 minute interval. If the proper preparation work is completed prior to 2 disconnecting the customer's existing service, this parameter will not be 3 difficult for BellSouth to meet. This language exists in the current 4 interconnection agreement and should be continued to the new 5 agreement.

6

7

8

9

- Issue 14: [ITC^DeltaCom Issue 2(c)(iv)] Should the party responsible for delaying a cutover also be responsible for the other party's reasonable labor costs?
- 10

### 11 Q: DO THE PARTIES OPERATE UNDER THIS PROCEDURE TODAY?

- A: Yes. Although Mr. Vamer states that this provision should not be
  included in the interconnection agreement, what he does not mention is
  that the parties have operated with this provision in the existing
  interconnection agreement for the past two years. ITC^DeltaCom
  recommends that this Commission order the continuation of the existing
  procedures.
- 18

19 Issue 16: [ITC^DeltaCom Issue 2(c)(vi)] – Should each party be
20 responsible for the repair charges for troubles caused or originated
21 outside of its network? If so, how should each party reimburse the
22 other for any additional costs incurred for isolating the trouble to the
23 other's network?

1 Q. DOES ITC^DELTACOM AGREE TO BEAR THE COST OF TROUBLE

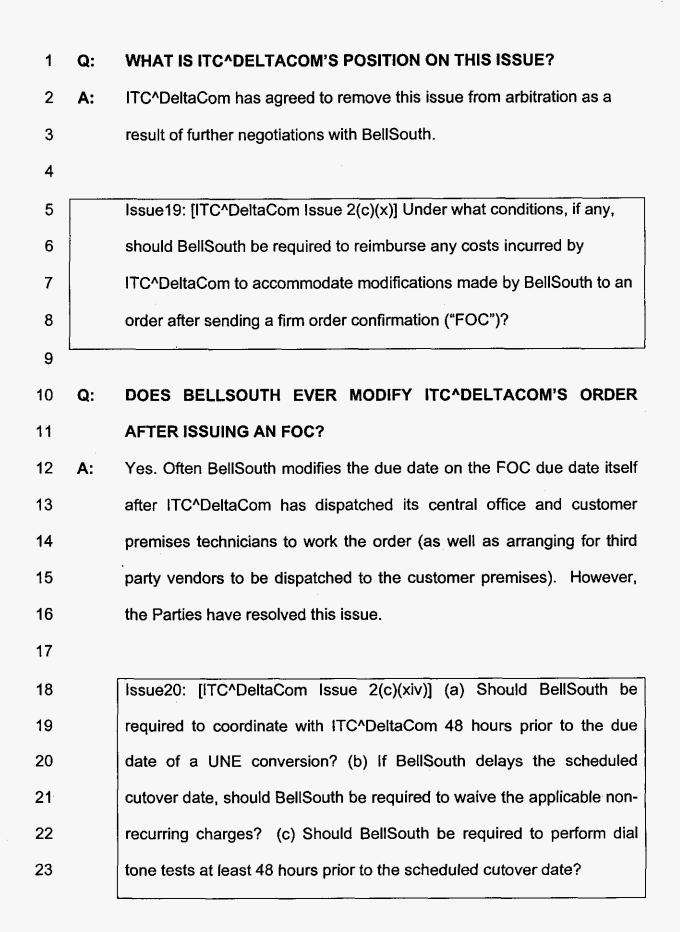
#### 2 **ISOLATION TO A THIRD PARTY'S NETWORK**

- 3 A. The Parties have resolved this issue.
- 4

5 Q. HAS BELLSOUTH CORRECTLY STATED ITC^DELTACOM'S 6 POSITION ON ADDITIONAL COSTS ASSOCIATED WITH TROUBLE 7 ISOLATION TO BELLSOUTH'S NETWORK?

8 No. BellSouth should reimburse ITC^DeltaCom is if there is a second Α. 9 referral on the same trouble. In other words, after ITC^DeltaCom 10 correctly isolates the trouble to BellSouth's network but BellSouth fails 11 to repair the trouble and ITC^DeltaCom is required for a second time to 12 isolate the same trouble to BellSouth's facilities. ITC^DeltaCom should 13 not be penalized for BellSouth's inability to repair troubles. In addition, 14 this would be reciprocal with BellSouth's charges to ITC^DeltaCom 15 when ITC^DeltaCom incorrectly isolates the trouble to BellSouth's 16 network.

17 Issue 18: [ITC^DeltaCom Issue 2(c)(ix)] If a customer orders a loop
18 which requires special construction charges be paid for by
19 ITC^DeltaCom, and BellSouth reuses the same facilities to provide
20 service to the customer for itself or on behalf of another ALEC, should
21 BellSouth be required to refund ITC^DeltaCom the amount
22 ITC^DeltaCom paid to BellSouth for Special Construction charges for
23 that customer?



### 1 Q: WHAT IS ITC^DELTACOM'S POSITION ON THESE ISSUES?

2	A:	Until BellSouth is able to meet scheduled due dates on a consistent
3		basis, coordination prior to the due date is necessary. By requiring
4		BellSouth to coordinate with ITC^DeltaCom prior to the due date,
5		ITC^DeltaCom will no longer be required to dispatch technicians only to
6		find out that BellSouth is not ready to work the order.
7		The issue of waiver of NRCs was addressed in my response to Issue 2
8		[ITC^DeltaCom Issue 1(b)] above.
9		ITC^DeltaCom will continue to negotiate the issue of dial tone tests with
10		BellSouth.
11		
12		Issue 33: [ITC^DeltaCom Issue 3(I)] Should the Parties establish
13		escalation procedures for ordering/provisioning problems?
14		
15	Q:	PLEASE STATE ITC^DELTACOM'S POSITION.
16	<b>A</b> :	ITC^DeltaCom is willing to close this issue subject to the revision that
17		BellSouth will use best efforts to provide notice of modification within
18		ten days.
19		
20		Issue 37: [ITC^DeltaCom Issue 4(c)] Should ITC^DeltaCom and its
<b>.</b>		
21		agents be subject to stricter security requirements than those applied to
21 22		BellSouth's agents and third party outside contractors?

1Q.BELLSOUTH STATES THAT THE SECURITY REQUIREMENTS2IMPOSED ON ITC^DELTACOM ARE AT PARITY TO THAT WHICH3BELLSOUTH IMPOSES ON ITSELF AND OTHERS. DO YOU4AGREE WITH THIS ASSESSMENT?

5 A. It is my understanding that this issue has been resolved by the parties;
6 however, ITC^DeltaCom reserves the right to file supplemental
7 testimony on this issue, should it be further disputed.

8

9 Issue 50: [ITC^DeltaCom Issue 5] Should the parties continue operating 10 under existing local interconnection arrangements? (a) Should the 11 current interconnection agreement language continue regarding cross-12 connect fees, reconfiguration charges or network redesigns, and NXX 13 translations? (b) What should be the definition of the terms local traffic, 14 and trunking options? (c) What parameters should be established to 15 govern routing ITC^DeltaCom's originating traffic and each party's 16 exchange of transit traffic? (d) Should the parties implement a 17 procedure for binding forecasts?

18

19 Q. HAS BELLSOUTH ADDRESSED ALL ISSUES CONCERNED WITH

20

#### ATTACHMENT 3 AND LISTED AS UNRESOLVED IN EXHIBIT B?

A. No. At the time of the filing of this petition, BellSouth was reviewing
 ITC^DeltaCom's proposed language. Thus, in order to preserve these
 issues, ITC^DeltaCom generally requested the same interconnection

language that is in our current agreement as part of issue 5.
 ITC^DeltaCom then listed each section of the proposed language it
 provided BellSouth that it understood as open and under review as an
 unresolved issue in Exhibit B.

6 The parties are currently negotiating Attachment 3. Rather than 7 address all issues in Exhibit B that are still undecided, I request that I 8 be able to update and supplement my testimony to the extent 9 necessary to adequately address any unresolved issues.

10

5

### 11 Q. WHAT IS ITC^DELTACOM'S POSITION ON THE EXISTING 12 AGREEMENT?

A. At the commencement of negotiations for the new agreement BellSouth
scrapped the existing agreement in its entirety. The current agreement
was a functional agreement. It did have areas that needed changes.
However BellSouth is attempting, through the new "template" to take
away numerous provisions that are in the existing agreement and that
were the result of the original negotiations. The proper starting point for
a new agreement is the existing agreement.

20

#### 21 Q. WHAT IS ITC^DELTACOM'S POSITION ON BINDING FORECOSTS?

A. BellSouth should be required to accept binding forecasts. In Florida,
 BellSouth refused to accept ITC^DeltaCom's forecast until

1 ITC^DeltaCom provided proprietary customer information. In other instances BellSouth has refused to provide sufficient trunks to cover the 2 3 ITC^DeltaCom forecast. BellSouth's reason was stated to be that since ITC^DeltaCom's existing trunks were at capacity, ITC^DeltaCom could 4 5 not have any more trunks. ITC^DeltaCom's forecast was based on information about customers with whom ITC^DeltaCom already had, 6 7 contracts. ITC^DeltaCom delayed providing service to those customers to keep from overloading the network. Without binding forecasts 8 9 BellSouth's position on installing trunks for ALECs becomes a "self-10 fulfilling prophecy" - unless the ALEC is willing to continue adding 11 usage until the network is overloaded and poor service is provided due 12 to blocked calls. In other words, unless the ALEC's service is poor 13 because of the blocking of traffic, BellSouth will not honor forecasts. 14 ITC^DeltaCom will not add new customers if it will cause degradation of 15 the network. The mandating of binding forecasts by this Commission 16 will stop BellSouth from limiting the growth of competition.

Issue 44: [ITC^DeltaCom Issue 7(b)(ii)] What procedures should

ITC^DeltaCom and BellSouth adopt for meet-point billing?

17 18

- 19
- 20
- 21

22

#### Q. PLEASE STATE ITC^DELTACOM'S POSITION.

A. ITC^DeltaCom has agreed to delete sections 9.10 and 9.17 in recent
 negotiations with BellSouth. With certain modifications as discussed by
 the parties on July 14, 1999, ITC^DeltaCom believes that section 9.9
 may be closed.

5 The issue of filing meet point percentages in the NECA tariff raised by 6 BellSouth is irrelevant. ALECs are not required to file in the NECA 7 tariff. BellSouth is free to do so if they desire. However, any "assumed 8 percentage" or "default percentage" should be set at 100% for 9 ITC^DeltaCom and 0% for BellSouth since ITC^DeltaCom either 10 provides those facilities into BellSouth's tandem offices itself or leases 11 the facilities from BellSouth.

12

#### 13 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

14 A. Yes. However, I reserve the right to address any issues raised by
 15 BellSouth and to supplement my testimony and rebuttal testimony as
 16 necessary upon production of any discovery requests.

.

Florida	
A 1.1 - 2-Wire Analog Voice Grade Loop - Service Level 1	

9/11/1999 A B C D=AxC E=BxC F G=ExF	
Installation Disconnect Direct install Disconnect Disconnect Disconnect Disconnect Disconnect Cost Disconnect Disconnect Cost Cost Disconnect Cost Cost Cost Cost Cost Cost Cost Cos	Direct Cost
Functional Description First Additional First Additional Rate First Additional First Additional First Additional	First Additional
	\$6.7800 \$3.3900
ENGINEERING 400A ADDISS & FACHER INVENDING COND. 11158 E0 0000 \$1000 \$1158	\$4,7970 \$2,3965
ENGINEERING 32XX OUSIDE Plant Eng (PG30) 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	\$2,5013 \$2,5013
	\$13.0189 \$6.5094
CONNECT & TEST 410X INSIDA & MIDB - POIS 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	\$2,7333 \$0.0000
TRAVEL 410X Instal & Mice + Pols 0.0667 0.0000 0.0000 0.0000 \$41.00 \$2.7333 \$0.0000 \$0.0000 \$0.0000 1.1156 \$0.0000 Trate	29 83053333 14 79826667

	JFC/	JFC/Payband	install Workt		Disco		TELRIC Labor	insi Co		Disco Co	at	Disconnect Discount	Discounted Co	st	TELF	
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
ENGINEERING		Address & Facility Inventory (AFIG)	0.2000	0,1000	0.0000	0.0000	\$33.90	\$6.7800	\$3.3900	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.000	\$6.7800	\$3.3900
ENGINEERING		Outside Plant Eng (FG30)	0.1000	0.0500	0.0000	0.0000	\$47.97	\$4.7970	\$2.3965	\$0.0000	\$0.0000	1.1158	\$0.0000	\$0.0000	\$4,7970	\$2.3965
		CO Install & Mtos Field - Ckt & Fac	0.0583	0.0583	0.0000	0.0000	\$42.88	\$2.5013	\$2,5013	\$0.0000	\$0,0000	1.1158	\$0.0000	\$0.0000	\$2.5013	\$2.5013
CONNECT & TEST			0.3175	0.1588	0.0000	0.0000	\$41.00	\$13.0189	\$6.5094	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$13.0189	\$6.5094
CONNECT & TEST	410X	install & Mtce - Pols		0.0000	0.0000	0.0000	\$41.00	\$2.7333	\$0,0000	\$0.0000	\$0.0000	1,1156	\$0.0000	\$0.0000	\$2,7333	\$0.0000
TRAVEL	410X	Install & Mtce - Pots	0.0667	0.0000	0.0000	0.0000		42.1000	40.0000		••••••		******	Total	29.83053333	14.79926667

## EXHIBIT TAH-4

ъ

Fiorida	
A.1.1d - 2-Wire Analog Volce Grade Loop -	Service Level 1 - Disconnect

9/11/1999	A	8	с	D=AxĆ	E=BxC	F	G=ExF	H=D+G
JFC/         JFC/Payband           Function         Payband         Description           CONNECT & TEST         431X         CO Instal & Mice Field - Ckt & Fac	Instaliation Worktimes First Additional 0.0000	Disconnect Worktimes First Additional 0.0333 0.0333	Direct Labor Rate \$42,88	instali Cost <u>First Additional</u> \$0.0000 \$0.0000	Disconnect Cost <u>First Additional</u> \$1.4293 \$1.4293	Disconnect Discount Factor 1.1156	Discounted Disconnect Cost First Additional \$1.5946 \$1.5946 Total	Direct Cost <u>First Additional</u> \$1.5946 \$1.5946 1.594566541 1.594566541
	Installation	Disconnect	TELRIC	install Cost	Disconnect	Disconnect Discount	Discounted Disconnect	TELRIC

			NIBLAS		Work		Labor	Co		Co		Discount	Co	st	TEL	RIC
	JFC/	JFC/Payband	Work First	Additional	first	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
	Payband	CO Install & Mice Field - Citt & Fac	0.0000	0.0000	0.0333	0.0333	\$42.88	\$0,0000	\$0.0000	\$1.4293	\$1.4293	1.1156	\$1.5946	\$1.5946	\$1.5946	\$1.5946
CONNECT & TEST	431X	CU Install & Mide Field - Citt & Fac	0.0000	0.0000	0.0000	0.0000	•	••••••	•					Total	1.594568541	1.594566541

## EXHIBIT TAH-4

÷

9/11/1999		A		A	в		с	D=AxC		E=BxC		F	G=ExF		H=D	+G
	JFC/	JFC/Payband	Installation Worktimes		Disconnect Worktimes		Direct Labor	install Cost		Disconnect Cost		Disconnect Discount			Direct Cost	
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
ENGINEERING	400X	Address & Facility Inventory (AFIG)	0.2000	0.1000	0.0000	0.0000	\$33.90	\$6,7800	\$3.3900	\$0.0000	\$0,0000	1.1156	\$0.0000	\$0.0000	\$6,7800	\$3,3900
ENGINEERING	470X	Circuit Provisioning Group (CPG)	0.1300	0.0650	0.0000	0.0000	\$37.06	\$4,8178	\$2,4089	\$0.0000	\$0,0000	1.1156	\$0,0000	\$0,0000	\$4.8178	\$2,4089
ENGINEERING	32XX	Outside Plant Eng (FG30)	0.1000	0.0500	0.0000	0.0000	\$47.97	\$4,7970	\$2,3985	\$0.0000	\$0.0000	1.1156	\$0,0000	\$0,0000	\$4,7970	\$2.3985
CONNECT & TEST	431X	CO Install & Mice Field - Ckt & Fac	0.0583	0.0583	0.0000	0.0000	\$42.88	\$2.5013	\$2,5013	\$0.0000	\$0,0000	1.1156	\$0.0000	\$0,0000	\$2,5013	\$2,5013
CONNECT & TEST	411X	Install & Mtce - Spec Svcs (SSIM)	0.3175	0.1588	0.0000	0.0000	\$44,45	\$14,1144	\$7.0572	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$14,1144	\$7.0572
TRAVEL	411X	Install & Mtce - Spec Svcs (SSIM)	0.0600	0.0000	0.0000	0.0000	\$44.45	\$2.6670	\$0.0000	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$2.6670	\$0.0000
														Total	35.67749	17.75591167

Florida A.1.2 • 2-Wire Analog Voice Grade Loop - Service Level 2

			installation		Disconnect		TELRIC	install		Disconnect		Disconnect	Discounted Disconnect			
	JF¢/	JFC/Payband	Worktimes		Worktimes		Labor	Cost		Cost		Discount	Cost		TEL	RIC
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
ENGINEERING	400X	Address & Facility Inventory (AFIG)	0.2000	0.1000	0.0000	0.0000	\$33.90	\$6,7800	\$3,3900	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$6.7800	\$3,3900
ENGINEERING	470X	Circuit Provisioning Group (CPG)	0.1300	0.0650	0.0000	0.0000	\$37.06	\$4.8178	\$2,4089	\$0.0000	\$0,0000	1,1156	\$0,0000	\$0,0000	\$4.8178	\$2.4089
ENGINEERING	32XX	Outside Plant Eng (FG30)	0.1000	0.0500	0.0000	0.0000	\$47.97	\$4,7970	\$2,3965	\$0.0000	\$0,0000	1,1156	\$0,0000	\$0,0000	\$4,7970	\$2,3985
CONNECT & TEST	431X	CO Install & Mtce Field - Ckt & Fac	0.0583	0.0583	0.0000	0.0000	\$42.88	\$2.5013	\$2,5013	\$0.0000	\$0.0000	1,1156	\$0.0000	\$0.0000	\$2,5013	\$2.5013
CONNECT & TEST	411X	Instail & Mice - Spec Svcs (SSIM)	0.3175	0.1588	0.0000	0.0000	\$44.45	\$14,1144	\$7,0572	\$0.0000	\$0.0000	1,1156	\$0.0000	\$0.0000	\$14,1144	\$7.0572
TRAVEL	411X	Install & Mtce - Spec Svcs (SSIM)	0.0600	0.0000	0.0000	0.0000	\$44.45	\$2.6670	\$0.0000	\$0.0000	\$0,0000	1.1156	\$0,0000	\$0,0000	\$2,6670	\$0,0000
														Total	35.67749	17.75591167

.

## EXHIBIT TAH-4

9/11/1999			<b>A</b>		в		с	D=AxC		E=8xC		F	G=ExF		H=D+	+G
	JFC/	JFC/Payband	Installation Worktimes		Disconnect Worktimes		Direct Labor	instali Cost		Disconnect Cost		Disconnect Discount	Discounted Disconnect Cost		Direct	
Function	Payband	Description	First	Additional	First Additional		Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
ENGINEERING CONNECT & TEST	470X 431X	Circuit Provisioning Group (CPG) CO Install & Mice Field - Ckt & Fac	0.0000 0.0000	0.0000 0.0000	0.0007	0.0004	\$37.06 \$42.88	\$0.0000 \$0.0000	\$0.0000 \$0.0000	\$0.0259 \$1.4293	\$0.0130 \$1.4293	1.1156 1.1156	\$0.0289 \$1.5946	\$0.0145 \$1.5946	\$0.0289 \$1.5946 1.623507477	\$0.0145 \$1.5946 1.609037009
						•	TELRIC					<b>0</b> 1	B1	Total		
			Installation			Disconnect		Install		Disconnect		Disconnect			TELRIC	
	JFC/	JFC/Payband	Worktimes		Work		Labor	Co		Co		Discount	Co			
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
ENGINEERING	470X	Circuit Provisioning Group (CPG)	0.0000	0.0000	0.0007	0.0004	\$37.06	\$0,0000	\$0.0000	\$0.0259	\$0.0130	1.1158	\$0.0289	\$0.0145	\$0.0289	\$0.0145
CONNECT & TEST	431X	CO Install & Mice Field - Ckt & Fac	0.0000	0.0000	0.0333	0.0333	\$42.88	\$0.0000	\$0.0000	\$1,4293	\$1,4293	1.1156	\$1,5946	\$1.5946	\$1,5946	\$1.5946
			0.0000		0.0000		• •	•	•	•	• • • • •			Total	1.623507477	1.609037009

٠

3

4

Florida A.1.2d - 2-Wire Analog Voice Grade Loop - Service Level 2 - Disconnect

# EXHIBIT TAH-4

9/11/1999	9/11/1999		A		8		с	D=AxC		E=BxC		F	G=ExF		H=D	+G
	JFC/	JFC/Payband	installation Worktimes		Disconnect Worktimes		Direct Labor	instali Cost		Disconnect Cost		Disconnect Discount			Direct Cost	
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
OUTSIDE PLANT ENG	32XX	Outside Plant Eng (FG30)	0.2000	0.1000	0.0000	0.0000	\$47.97	\$9.5940	\$4,7970	\$0.0000	\$0.0000	1,1156	\$0.0000	\$0.0000	\$9.5940	\$4,7970
ENGINEERING	400X	Address & Facility Inventory (AFIG)	0.2000	0.1000	0.0000	0.0000	\$33,90	\$6,7800	\$3,3900	\$0,0000	\$0.0000	1.1158	\$0,0000	\$0.0000	\$6,7800	\$3,3900
ENGINEERING	470X	Circuit Provisioning Group (CPG)	0.1300	0.0650	0.0000	0.0000	\$37.06	\$4.8178	\$2,4089	\$0,0000	\$0,0000	1.1156	\$0,0000	\$0.0000	\$4,8178	\$2,4089
ENGINEERING	32XX	Outside Plant Eng (FG30)	0.1000	0.0500	0.0000	0.0000	\$47.97	\$4,7970	\$2.3985	\$0,0000	\$0,0000	1,1156	\$0.0000	\$0.0000	\$4,7970	\$2.3985
CONNECT & TEST	431X	CO Install & Mice Field - Ckt & Fac	0.0583	0.0583	0.0000	0.0000	\$42.88	\$2,5013	\$2,5013	\$0,0000	\$0,0000	1,1156	\$0.0000	\$0.0000	\$2,5013	\$2,5013
CONNECT & TEST	411X	Install & Mice - Spec Svcs (SSIM)	0.3175	0.1588	0.0000	0.0000	\$44.45	\$14.1144	\$7.0572	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$14.1144	\$7.0572
TRAVEL	411X	Install & Mtce - Spec Svcs (SSIM)	0.0600	0.0000	0.0000	0.0000	\$44.45	\$2.6670	\$0.0000	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000 Total	\$2.6670 45.27149	\$0.0000 22.55291167

#### Florida A.6.1 - 2-Wire Asymmetrical Digital Subscriber (ADSL) Compatible Loop - 2-Wire High bit rate Digital Subscriber (HOSL) Compatible Loop

			instali	Installation		Disconnect		Install		Disconnect		Disconnect	Discounted Disconnect			
	JFC/	JFC/Payband	Workt	imes	Worktimes		Labor	Cost		Cost		Discount	Cost		TELRIC	
Function	Payband	Description	First	Additional	First	Additional	Rate	First	Additional	First	Additional	Factor	First	Additional	First	Additional
OUTSIDE PLANT ENG	32XX	Outside Plant Eng (FG30)	0.2000	0.1000	0.0000	0.0000	\$47.97	\$9.5940	\$4.7970	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$9.5940	\$4,7970
ENGINEERING	400X	Address & Facility Inventory (AFIG)	0.2000	0.1000	0.0000	0.0000	\$33.90	\$6.7800	\$3,3900	\$0.0000	\$0.0000	1.1158	\$0.0000	\$0.0000	\$6.7800	\$3.3900
ENGINEERING	470X	Circuit Provisioning Group (CPG)	0.1300	0.0650	0.0000	0.0000	\$37.06	\$4.8178	\$2,4089	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$4.8178	\$2,4089
ENGINEERING	32XX	Outside Plant Eng (FG30)	0.1000	0.0500	0.0000	0.0000	\$47.97	\$4.7970	\$2.3985	\$0.0000	\$0.0000	1,1156	\$0.0000	\$0.0000	\$4,7970	\$2.3985
CONNECT & TEST	431X	CO Install & Mice Field - Ckt & Fac	0.0583	0.0583	0.0000	0.0000	\$42,88	\$2.5013	\$2.5013	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$2.5013	\$2.5013
CONNECT & TEST	411X	Instal & Mtce - Spec Svcs (SSIM)	0.3175	0.1588	0.0000	0.0000	\$44,45	\$14,1144	\$7.0572	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$14.1144	\$7.0572
TRAVEL	411X	Install & Mtce - Spec Svcs (SSIM)	0.0600	0.0000	0.0000	0.0000	\$44,45	\$2.6670	\$0.0000	\$0.0000	\$0.0000	1.1156	\$0.0000	\$0.0000	\$2.6670	\$0.0000
														Total	45.27149	22.55291167

## EXHIBIT TAH-4