ORIGINAL

ATTACHMENT B

BellSouth Telecommunications, Inc. FPSC Docket No. 990649-TP Request for Confidential Classification Page 1 of 1 8/30/00

REQUEST FOR CONFIDENTIAL CLASSIFICATION OF BELLSOUTH INFORMATION INCLUDED IN THE AT&T REBUTTAL TESTIMONY OF WITNESSES' CATHERINE E. PITTS, JOHN C. DONOVAN/BRIAN F. PITKIN, BRENDA J. KAHN AND GREG DARNELL, FILED JULY 31, 2000 IN FLORIDA DOCKET NO. 990649-TP

Two Redacted Copies

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DOCUMENT NUMBER-DATE

11043 SEP-6 005692

FPSC-RECORDS/REPORTING

1	claimed by BellSouth. Unbundled local switching and trunk ports are
2	approximately 40% and 50%, respectively of BellSouth's claimed
3	BellSouth costs.

The restated BellSouth costs sponsored by Mr. King include the corrected discount inputs.

6 Q. PLEASE EXPLAIN WHY SOME ISDN RESULTS ARE NOT RELIABLE.

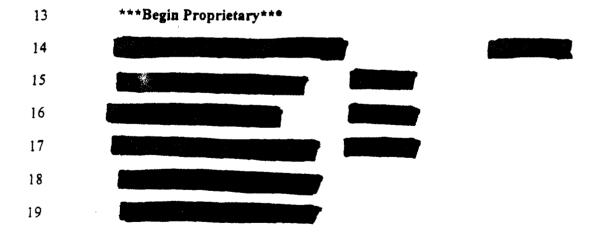
When AT&T attempted to calculate the offices in BellSouth's SCIS/MO,

multiple processing errors were displayed associated with calculating

ISDN on DMS RSC-S remotes.' The ISDN port section of BellSouth's

SCIS/MO ISDN Investment report that was included in BellSouth's

electronic SCIS/MO filing is excerpted below:



expiration dates.

While the user had to click on the error messages indicating that there were missing table items necessary to the calculations, SCIS/MO continued to calculate.

|--|--|

End Proprietary

Note that subcategory D is the sum of the D1, D2 and D3. Also note that the Min. Inv. per BRI (ISDN 2-wire port) should be the sum of subcategories A, C and D, but obviously it is not. It appears that the D3 category value, which is usually minimal, is wrong, but the printed value not being added to the Min. Inv. per BRI.

The SST model, when importing the detailed results from SCIS, does load the individual subcategory values to calculate an incorrect investment for ISDN BRI ports. When we removed the wire centers with the DMS RSC-S remote switches from the SCIS/MO study, the individual 'A, C, and D' sub-elements added up correctly to the Min. Inv. per BRI and no error messages were received during calculations.

Q. HOW SHOULD THE ISDN COSTS BE CALCULATED?

16 A. We removed the offices that had DMS RSC-S remotes with ISDN in order
17 to have SCIS/MO recalculate the ISDN port investments with corrected
18 discounts without processing errors. Therefore, the restated ISDN port
19 investments in Mr. King's testimony excludes these offices.

See, for example, Columns AA and AK of the SCIS Input Worksheeet in FLST SST-P.

Q. HOW DOES BELLSOUTH USE THE FLAWED AVERAGE 1 2 USAGE PER CATEGORY PER LINE?

BellSouth takes the call usage, multiplies it by the average number of A. 3 features per line times the averaged cost of the resources used in the 4 5 switch for a given category to generate the composite feature investment. The number of busy hour calls per feature category that are used up to 6 make up the composite feature²³ is: 7

Begin Proprietary 8

Feature Category	Busy Hour Calls	Features per Line
Processor	1.1	4.0
Line Path	0.7	2.2
Hardware	1.6	1.4
SS7	0.9	0.4

End Proprietary

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10 BellSouth stated that "... it can be concluded that the typical user activates about 4.5 features in the busy hour." However, according to BellSouth's SCIS inputs, originating and terminating calls only average less than ***Begin Proprietary*** ****End Proprietary*** requiring more than *** Begin Proprietary*** ***End Proprietary*** features to be active on every originating and every terminating call.

See BellSouth's response to POD #141, Attachment 1 included as Exhibit CEP-5.

BellSouth's response to ATT Item #89, attached as Exhibit CEP-7.

cost – adding features do not cause BellSouth to purchase additional processing equipment. The processor, along with the rest of the getting started cost of the switch is a fixed cost and feature usage does not impact the level of getting started investment. Historically, analog and earlier digital switches could be call processing limited, but this is no longer true with the dramatic increases in computer processing power. The limiting capacity of the current generation of switches is ports, not call processing. When a switch's port capacity is reached, an additional switch must be placed, thus incurring an additional getting started cost. A cost study, based on true cost-causation, would allocate the processor and getting started cost to all the ports in the switch, not the traffic sensitive minute of use and feature costs.

13 Q. WHAT IS THE SWITCH ELEMENT CENTREX 14 FUNCTIONALITY?

15 A. BellSouth's Centrex functionality feature costs out intra-Centrex intercom

16 usage and assigns it as a flat-rate port additive.

in fact, BellSouth's inputs to SCIS/MO show less than ***Begin Proprietary***

End Proprietary average processor utilization, including features.

Features that simply add usage to a processor that will not exhaust has no economic processor-related cost.

WHAT PROBLEMS DID YOU FIND WITH RESPECT TO Q. 1 CALLER ID AND REMOTE CALL FORWARDING? 2

One of the key inputs to these features is the percent penetration of Caller 3 Α. ID (for the CLASS Modern Card hardware cost) and Remote Call 4 Forwarding (for assignment of a second line port). BellSouth's support 5 for these penetration levels provided in BellSouth's response to POD Item 6 33 and its Attachment 1 (attached as Exhibit CEP-8) uses the number of 7 lines per office in order to develop the penetration of Caller ID (shown as 8 Calling Number Delivery -CND on BellSouth's POD) and lines that are 9 remotely call forwarded. BellSouth's SCIS inputs show different average 10 office line counts than what BellSouth used in its separate analysis documented in POD Item #33 for these two features as shown below: ***Begin Proprietary***

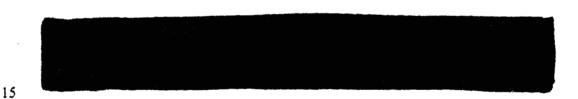
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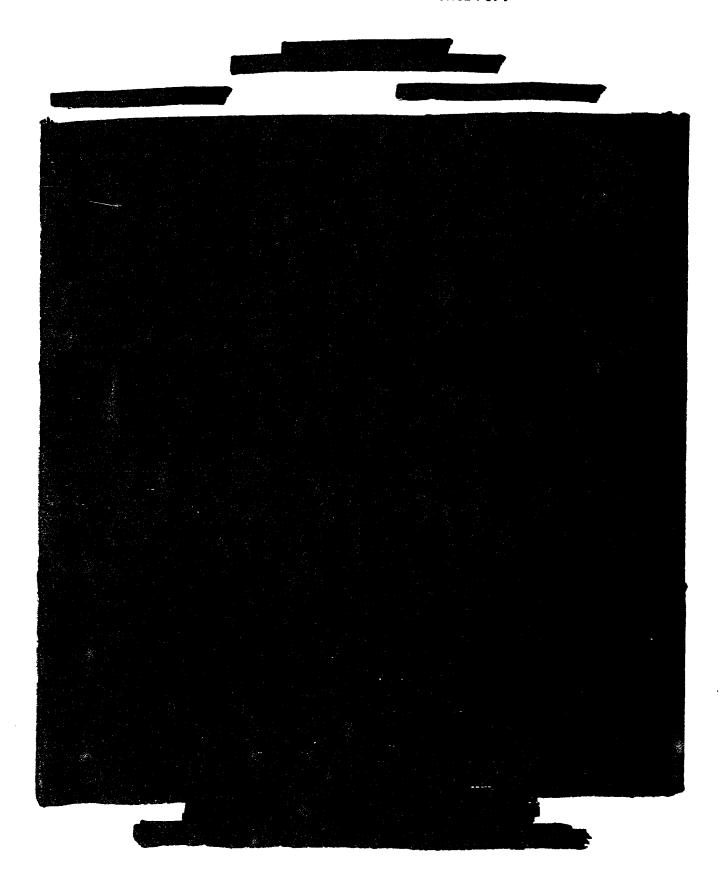
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20



End Proprietary Replacing the POD Item #33 line counts causes 16 with the SCIS line counts results in penetrations of ***Begin 17 ***End Proprietary*** for Caller ID Proprietary*** 18 and RCF, respectively. These corrections are reflected in Mr. King's 19

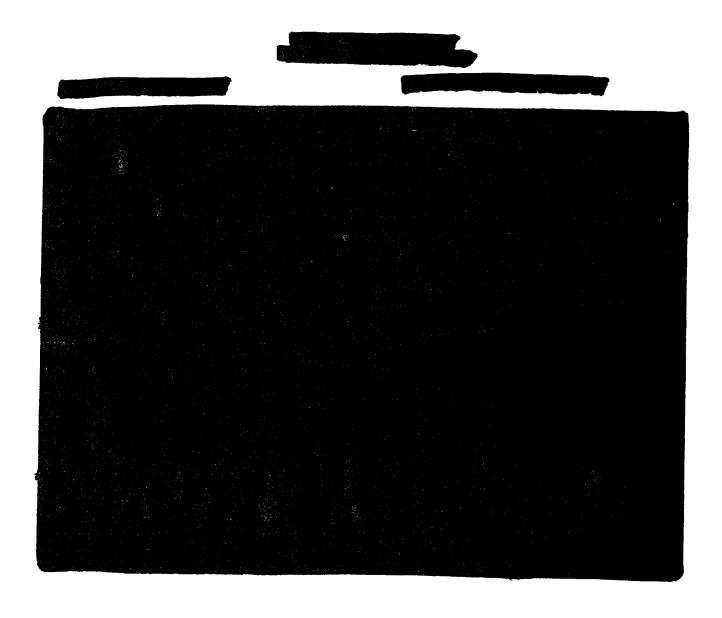
restated costs.



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WITNESS: PITTS
EXHIBIT NO.
PAGE 2 OF 3

(CEP-2)

WITNESS: PITTS
EXHIBIT NO.
PAGE 3 OF 3





BellSouth - Cost Metters Room 30-8-49 675 West Peachtree Street Alteria, GA 30375

04/2000 Page 1 of 1

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1	5E88	3 Point Conference Circuit	GOSF Ckt ?ack		(5)	Coet (S)	Capacity	Unite	Unitestion
2	5ESS	6 Point Conference Circuit	GOSF CM Ped	2000				Note 1, 5	
3	5ESS	30 Second Announcement	16A BLD3 CP	2000				Note 1, 5	
4	5E58	60 Second Announcement	16A BLD3 CP	2000				Note 2, 6	
5	\$E88	DSUZIRAF BRCS	SAS IN PT	2000				Mole 2, 6	
<u> </u>	5€83	Announcement/Music Trunk	STEX-1 KTU1 CP					Note 3, \$	
			Taran Taran	1 2000				Note 4, 5	

NOTES

- 1- The GDSF cit pack can be programed for a combination of 3 & 6 port conf., ISTF and TTF functions. The capacity shown is the maximum sty of each type confusence citi supported on a dedicated GDSF pack. The GDSF mounts in a DSU3 unit. A DBU3 can support up to (4) GDSF packs, but is not usually fully equipped. The DBU3 has (8) stots available for packs, the first (2) are required for LDSF function(1st unit), leaving (4) for possible GDSF packs.
- 2- The 16A announcement unit requires (1) T1 cit and supports (3) 8-channel announcement cit pecks. The teaded price shown is for (1) 8 channel 60 second rec ann cit peck with remote record agilian. The teaded price includes (when required) a misc cabinat and/or 16A one unit. Not included in the pricing is the associated T1 trunk that is required for each 16A one unit.
- 3. The RAF service ennouncements have been replaced by SAS service ennouncements. The pricing reflects a leaded price for (1) SAS BRCS service group.

 A DSU2 can support up to (4) SAS service groups.
- 4. The KTU1 circuit pack mounts on a DNU-8 and supports 28 DS1s in a STSX-1 formal.
- 5- This is a loaded pricing estimate and includes an average price of associated effice resources required to add this equipment.

PROPRIETARY

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_(CEP-3)

BellSouth - Cost Matters E. J. Shedrick, 404-529-2922 Room 30-B-49 **675 West Peachtree Street** Aligna, GA 30375

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				Vintage	Material	Furnished
Kem	Switch	Feature Hardware		Date	Only Cost	& Installed
		3 Point Conference	PEG	m	(\$)	Cost (\$)
1	DMS		MITAVAGAGA			Cost lel
		6 Point Conference	NT1X81AA Conference Trunk Module CP	2000		***
2	DMS	1	NTEVERA COLL			\$87.00
		30 Second	NT1X61AA Conference Trunk Module CP	2000		\$67.66
3	DMS	Announcement	NTIYONA E-:			207.00
		60 Second	NT1X80AA Eralanced Digitally Recorded Announcement Mach	2000		\$209,96
4	DMS	1	INTSYMMA Coherent Disk in a			9200,00
			NT1X80AA Enhanced Digitally Recorded Announcement Mech	2000		\$209.96
5	DMS	Metallic Access Point	NT3X09BA 8X8 Metrix CP			-
	DM8		NYOXIGAA Misc Scanner	2000		\$94,54
7	DMS	Signal Distributor Point	NT2X57AA SD Card I	2000		\$70.56
		Recerded		2000		\$70.50
-	DMS	Announcement for Coln	NT1)(BGAA Enhanced Digitally Recorded Announcement Mech	2222		I
		AL CHARREN		2000		\$200.90
•		Investment			{	1
10	DMS	Voice Coupler			 -	
		Announcement/Music		 	 	
11	DMS	Trunk	NT2XBBAA 4W INC/OG BOD EBM MF/DP	2000		\$34.80
12	DMS	Tone Circuit	NT6X7GAA Centimulty Tone Detector	2000	1-7-1	\$23.20
13	DMS	Transmitter Circuit Cost		 	-	743.20
14	DMS	Moderns		†	1	

PROPRIETARY Not for Disclosure Outside BellSouth Except By Written Agreement

CEP-3

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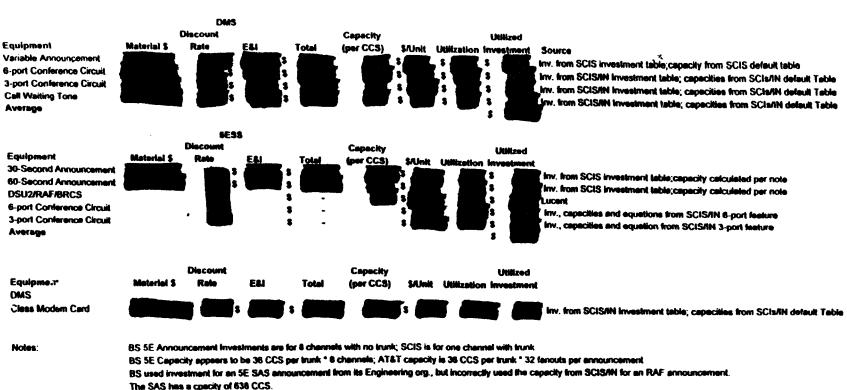
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Attachment No. 1 Page 7 of 7 DOCKET 990649-TP WITNESS: PITTS EXHIBIT NO. PAGE 8 OF 8 __ (CEF Ш 6666 \$ 500 E 1000 100 B000053

POD Isem No. 5

Restated Hardware Study using New Switch Discounts



Capacity of SE DSUM/RAF is ~450 CCS - SCIS uses conservative 300 CCS, so no utilization adjustment should be applied

BS DMS Announcement investment appears for announcement machine with multiple channels

SCIS DMS announcement investment for one channel with trunk

BS conference circuit investments and capacities include 10 3 port or 5 6 port circuits; SCIS investments are for 1 circuit

SCIS capacities are already average utilizations, not capacity.

SCISAN default table call waiting "capacities" are average utilizations, not capacities

BS filed call weiting tone investment could not be identified in the SCISAN investment tables

Capacity for CLASS Modern Resource Card is lines, not CCS as shown in 88 Hardware Study

SCISAN does not have capacity in default table, but BS's capacity is incorrect.

A CMR card is required for each LGC. And LGC handles 16-20 DSA links. Each LCM requires 2-6 DSA links.

LCMs per LGC therefore is min 16/6=2 to 20/2=10.

Each LCM handles 840b fine cards

Lines per LGC is 640°2 = 1280 to 640°10=6400 Therefore lines per CMR is 1280 to 6400

Features

POD Item No. 33 Attachment No. 1 Page 1 of 1

	A	В	С
	orida		
	ack-up for CLASS Modem Card Penetration		
3 SI	udy Period: 2000-2002		
4			<u> </u>
5			•
6	Item/Description	Source	Amount
7 Li	nes per Office w/ CND	Network	
8 R	esidence	:	12,000
9 B	usin ess		900
10			
11 Pe	rcent Distribution	<u> </u>	:
12 R	esidence	······································	
13 B	siness		
14			
15 Me	ided input - Lines per Office	Ln8*Ln12+Ln9*Ln13	8,699
16		and the same and t	
17 Av	erage Number of Lines per Office	SCIS/MO Inputs	
18	and the state of t	and the same of th	
19 Pe	netration of CND	Ln15/Ln17	54%

1	Q.	HAVE YOU BEEN ABLE TO CORRECT THIS
2		OVERSTATEMENT IN THE BSTLM?
3	A.	Again, we have been unable to modify the BSTLM algorithms because
4		BellSouth has refused to provide the source code in a format that would
5		allow us to correct this problem. This Commission should require
6		BellSouth to fix this obvious overstatement in the BSTLM.
7	The I	BSCC distorts land and building investment
8	Q.	HOW DOES THE BSCC DEVELOP LAND AND BUILDING
9		INVESTMENT?
10	A.	The BSCC develops land and building investment by applying a factor to
11		other investments in the BSCC, specifically DLC investment. This
12		process assumes that required land and building investment is directly
13		proportional to these underlying investments. However, this is not an
14		appropriate way to develop investment because it assumes that two
15		different types of plug-in cards, which are each exactly the same size,
16		would require different amounts of land and building investment.
17		Consider the following example:
18		***Begin Proprietary***
19	1	
20		
21	4	

1		
2		
3		***End Proprietary*** This makes no sense, because both cards
4		are identical in size and therefore require identical land and building
5		investment.
6	Q.	HOW WOULD YOU PROPOSE TO FIX THIS PROBLEM?
7	A.	The current problem is created by the way BSCC calculates land and
8		building investment. Unfortunately, BellSouth has not provided us with a
9		way to correct this error in the BSCC. This Commission should require
10		BellSouth to use a more appropriate methodology for allocating land and
11		building investment. Two possible options would be to calculate land and
12		building investment based on equipment size or to apply a fixed land and
13		building investment per line.
14	IV.	RESULTS AND CONCLUSION
15	Q.	WHAT ARE THE RESULTS OF YOUR ANALYSES?
16	A.	The testimony of Jeffrey A. King discusses the pricing proposals based on
17		our restatements of the BSTLM and the associated components of the
18		BSCC. The table in Exhibit JCD/BFP-15 provides the results of our
19		restatement for a few selected loop-related elements.
20	Q.	WHY DO YOUR RESTATEMENTS SHOW SUCH SIGNIFICANT
21		REDUCTIONS TO BELLSOUTH'S PROPOSED PRICES?
22	A.	Simply put, the BSTLM, with the adjustments we identify above,
23		estimates reasonable investment based on the underlying network. A

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328					L.	3	(Z)
329	66 -type Punch-Down Connector	Glocks (50 pair)	\$	5.46	\$ 8.71	Applied a 1.595 installation factor based on FCC FNPRM 99-120 Appendix D2: ratio of total SAI cost to total cost of material (\$21,708,00 / \$13,609,33)	
330	Backboard (In) (200 pair)		\$	9.87	\$ 14.15	Applied a 1.595 installation factor based on FCC FNPRM 99-120 Appendix O2: ratio of total SAI cost to total cost of material (\$21,708.00 / \$13,606.33)	
21	189 type Protector (100 pair)		\$ 307	7.81	\$ 490.96	Applied a 1.595 installation factor based on FCC FNPRM 99-120 Appendix D2: ratio of total SAJ cost to total cost of material (\$21,708.00 / \$13,609.33)	
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35	HDSLModern				161.36	Same labor as the NID. HAI uses \$15 for labor and \$44 total, adjusted to \$50 for commission business NID for \$17.04 tebor cost.	
Si I	NID	2			30.00	USF Order, Docket No. 980695-TP, Order No. PSC-99-0068-FOF-TP,	Η-
	NID	6		8			
38	NIDINIANDPROL	1				Included in Installed NID cost.	
٧.	VIU	•			186.90	Same labor as the NID. HAI uses \$15 for labor and \$44 total, adjusted to \$50 for commission business NID for \$17.04 labor cost.	
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	- 2WG UV	<u> </u>	14,80		13,000	See testimony.	
	- LOCAL POTS/POTS-LIKE		14,80			See Isstimony.	
	• PBX	+	14.80			See testimony.	
	- CENTREX	 	14,80			See testimony.	
	- COIN SMART LINE	 	14,80			See testimony.	
	- 2WVG USL FEEDER	 	14,80		13,000	See testimony. See testimony.	
	- COIN REGULAR - 2000G U LOCAL CHANNEL (35)	di .	14,80			See testimony.	
	SLV ANALOG ZW	T'	14,80			See testmony.	
	· UCL 2W	 	14.80			See testimory.	
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	- 2WVG UDL ADSL	1	3			See lessimony.	
	- 2WVG UDL HDSL		24			See testimony.	
	- 2WVG UDL ISON			3		See testimony.	
1.	ISON LOC			3	1	See testimony.	
9 .	ISDN P8X			5		See testimony.	
7.	4WVG UDL (257C) HDSL		24	•		See lestimony.	
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	ALAMA AND AREA OF SEA		24			See testimony.	
ı.	4WVG USLC DS1		24			See testmony.	
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302	DistFOFile		75.0%	100.09	Distribution fiber optics not used. Also see comments below.
~				90.09	Universal DLC should not be used in fevor of integrated DLC (see testimony).
184	DLCCOTFIII		80.0%	50.07	Also see below.
	DLCRTFIII		70.0%	90.0%	Standard engineering guideline is to provide for 6 months growth for line card
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	FdrFOFM	1	75.0%	100.0%	effective fit of 50%.
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	AALineMinimumLimit	Lines	10		See testimony.
	CopperLengthDesignLimit	Feet	12,000		See testimony.
	CopperLengthHardLimit DLCLengthDesignLimit	Feel	12,000		See lestimony.
	DLCLengthHardLimit	Feet	18,000	16,799	See testimony.
	DLCLineMinimumLimit	Lines	10		See testimony.
Ø.	NumberNodesPerRing	Nodes	4		IUSF Order: Dockel No. 980698-TP. Order No. PSC-99-0068-FOF-TP.
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		Foot	12,000		See testimony.
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	SA24/26GaugeXover DesignPairsPerHU	Pars	2.0		USF Order, Docket No. 980696-TP. Order No. PSC-99-0068-FOF-TP.
	AinmumFQSize	Strands	12	6	input in the BSTLM.
	linmumParsPerBusiness	Pairs	6	3	USF Order, Docket No. 980696-TP, Order No. PSC-99-0068-FOF-TP.
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	iber Terminating Frame	24	<u> </u>		BelSouth's inputs are \$133 per 12 strend, applied this cost-per strend
	iber Terminating Frame	46) 72	5	798.00	BetSouth's inputs are \$133 per 12 strand, applied this cost-per strand BetSouth's inputs are \$133 per 12 strand, applied this cost-per strand
	ber Terminating Frame ber Terminating Frame	96	3		BelSouth's inputs are \$133 per 12 strand, applied this cost-per strand
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~	1700	Vendor "A"	42.0%		See testmony.
	egrated vversal	Vendor "A"	42.0%		See testimony
j	eorated	vendor 8	58.0%		See lesemony.
	nversal	Vendor "B"	58.0%	100.0%	See testimony
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00		Jendor "A"	60.0%		See testimony.
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쯊	3	/endor "B"	40.0%	0.0%	See testimony
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