BELLSOUTH

BellSouth Telecommunications, Inc.
Suite 2101
333 Commerce Street
Nashville, Tennessee 37201-3300

615 214-6301
Fax 615 214-7406

Guy M. Hicks
General Counsel

RECEIVED
'00 AUG 15 PM 2 42
EXECUTIVE SECRETARY

August 15, 2000

VIA HAND DELIVERY

Mr. David Waddell, Executive Secretary
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, Tennessee 37243

Re: *All Telephone Companies Tariff Filings Regarding Reclassification Of Pay Telephone Service As Required By Federal Communications Commission (FCC) Docket 96-128*
Docket No. 97-00409

Dear Mr. Waddell:

Enclosed are the original and thirteen copies of BellSouth Telecommunications, Inc.'s Responses to Tennessee Payphone Owners' Association First Data Requests. Copies of the enclosed are being provided to counsel of record for all parties.

Very truly yours,

Guy M. Hicks

GMH/jem

Enclosure

224775

POSTED

BEFORE THE TENNESSEE REGULATORY AUTHORITY
Nashville, Tennessee

'00 AUG 15 PM 2 42

In Re: *Tariff Filings by Local Exchange Companies to Comply with FCC Order 96-439, Concerning the Reclassification of Pay Telephones*

Docket No. 97-00409

BELLSOUTH TELECOMMUNICATIONS, INC.'S
RESPONSE TO TENNESSEE PAYPHONE OWNERS' ASSOCIATION
FIRST DATA REQUESTS

CERTIFICATE OF SERVICE

I hereby certify that on August 15, 2000, a copy of the foregoing document was served on the parties of record, as follows:

[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	Vincent Williams, Esquire Consumer Advocate Division 426 5th Avenue, N., 2nd Floor Nashville, TN 37243
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	T. G. Pappas, Esquire Bass, Berry & Sims 315 Deaderick Street, Suite 2700 Nashville, TN 37238-0002
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	James Wright, Esquire United Telephone - Southeast 14111 Capitol Blvd. Wake Forest, NC 27587
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	Richard Tettlebaum, Esquire Citizens Telecommunications 1400 16th St., NW, #500 Washington, DC 20036
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	Jon Hastings, Esquire Boult, Cummings, et al. P. O. Box 198062 Nashville, TN 37219-8062
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	Val Sanford, Esquire Gullett, Sanford, Robinson & Martin 230 Fourth Ave., N., 3d Fl. Nashville, TN 37219-8888
[ ] Hand [✓] Mail [ ] Facsimile [ ] Overnight	Henry Walker, Esquire Boult, Cummings, et al. P. O. Box 198062 Nashville, TN 37219-8062

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REQUEST: What categories of cost (e.g., shared, common, other) does BellSouth believe are appropriately included in the definition of "overhead costs" when applying the FCC's new service test?

RESPONSE: Shared and common costs are sometimes referred to as "overhead costs". Unlike direct incremental costs, they cannot be identified with a specific service.

REQUEST: What is BellSouth's definition of "cost based rate"?

RESPONSE: A price is said to be cost based if it is set in some relationship to the underlying economic cost. In general, a cost based rate is the sum of direct incremental cost and a market-determined markup that recovers other costs. The price need not be equal to the direct incremental cost because of the need to include a contribution toward shared and common costs. In industries like telecommunications, if all services were set exactly to their respective incremental costs, a business would fail to recover all of its costs.

Other special circumstances may warrant a greater degree of markup for prices above incremental cost. For example, in the present environment, local exchange companies (LECs) may be obliged to price their residential basic exchange service below the incremental cost of providing that service. Sustaining such a price is only possible by including contribution toward residential basic exchange service in the prices of some or all of the LEC's other services.

REQUEST: What is the maximum markup permitted above direct cost that is consistent with BellSouth's definition of a "cost based rate?"

RESPONSE: There is no maximum markup above direct costs applicable when developing cost based rates.

REQUEST: What is the maximum markup permitted above the sum of direct, shared, and common cost that is consistent with BellSouth's definition of a "cost based rate?"

RESPONSE: There is no maximum markup above the sum of direct, shared and common costs applicable when developing cost based rates.

REQUEST: In previous state proceedings into the appropriate level of cost based rates for payphone access services, BellSouth has identified certain costs as "TELRIC Costs." Provide a complete definition of the term "TELRIC" as BellSouth intends it to be understood in this context, including a detailed description of the methodology used by BellSouth to develop these costs.

a) Is the term "TELRIC" intended to mean only the direct costs associated with the rate element in question?
b) Is the term "TELRIC" intended to mean the direct plus shared costs associated with the rate element in question?
c) Is the term "TELRIC" intended to mean the direct plus shared plus common costs associated with the rate element in question?
d) If the answer to a, b, and c above are no, provide a complete description of the categories of cost that are included in BellSouth's definition of TELRIC, and explain in detail why BellSouth believes that each category should be included.

RESPONSE: As stated in the response to Item No. 1 of the TPOA's First Set of Interrogatories in this Docket dated July 3, 1997, it is BellSouth's position that for costing purposes, in the context of FCC Docket No. 96-128, Total Service Long Run Incremental Cost (TSLRIC) is the proper economic methodology for determining the cost of payphone access services. Nevertheless, BellSouth offers the following definition of costing methodologies.

The total incremental cost is the forward looking additional cost of a product or service (or other cost object) including both variable (volume sensitive) and fixed (volume insensitive) costs. For an existing product, the total incremental cost is the cost savings that would result from reducing the volume of the product to zero, all else remaining constant. That is, it is the product's avoidable cost. For a product not currently produced, it is the total cost of increasing production from zero to some specific level, all else remaining constant.

REQUEST: (Continued)

Long Run Incremental Cost (LRIC) refers to the product specific volume sensitive incremental cost and is used to develop a unit incremental cost to be used as a price floor.

TSLRIC (or direct cost) includes both the product specific volume sensitive and volume insensitive costs and is useful in developing cross subsidy tests when compared to total service revenues.

Total Element Long Run Incremental Cost (TELRIC) includes both the network element specific volume sensitive and volume insensitive costs of an element as opposed to a service. TELRIC also includes other directly attributable, or reasonably identifiable, costs that would be considered shared or common and therefore not included in a LRIC or TSLRIC study (for example, "the cost of payroll and other back office operations", FCC First Report and Order in CC Docket No. 96-98, Paragraph 682). TELRIC requires that costs be allocated to the greatest extent possible and includes the allocation of spare capacity.

a) See above response. TELRIC does not apply to the cost of payphone access services.

b) See above response. TELRIC does not apply to the cost of payphone access services.

c) See above response. TELRIC does not apply to the cost of payphone access services.

d) See above response. TELRIC does not apply to the cost of payphone access services.

REQUEST: Provide BellSouth's most recent calculation of the following costs (including separately identified direct, shared, and common costs). Provide all supporting work papers and documentation.

a) end office switching, per MOU

b) end off trunk port, per MOU

c) tandem switching per MOU

d) tandem office trunk port, per MOU

e) common transport per mile

f) common transport termination

RESPONSE: The requested costs have not been calculated at the network element level. However, the most recent figures, for the direct network element investments are provided below. Supporting work papers and documentation is attached.

a) end office switching, per MOU	\$0.004643037
b) end office trunk port, per MOU	\$0.001979983
c) tandem switching per MOU	\$0.000345061
d) tandem office trunk port, per MOU	\$0.002330843
e) common transport per mile, per MOU	\$0.000038936
f) common transport termination, per MOU	\$0.001445803

Also see response to Item No. 2 for discussion of shared and common costs.

BellSouth Telecommunications, Inc.
TRA Docket No. 97-00409
Tennessee Payphone's First Data Requests
July 25, 2000
Item No. 8

ATTACHMENT

INVESTMENTS & EXPENSE

State: TN
Workpaper: 2100-Network Element View
Date: 8/4/00 11:48

LN	FRC	Sub FRC	Network Element	Source	Investment per MOU	Total Investment per MOU	
7							
8							
9	377C	3	ULS-SF	WP1700-000, L37	$ 0.004643037		
10			**Total ULS-SF**	**L9**			
11						**$ 0.004643037**	
12	377C	3	ULS-TP	WP1700-100, L23	$ 0.001979983		
13			**Total ULS-TP**	**L12**			
14						**$ 0.001979983**	
15	377C	3	UTS-SF	WP1800-000, L23	$ 0.000345061		
16			**Total UTS-SF**	**L15**			
17						**$ 0.000345061**	
18	377C	3	UTS-TP	WP1800-100, L23	$ 0.002330843		
19			**Total UTS-TP**	**L18**		**$ 0.002330843**	
20							
21	357C	3	Facilities Termination	WP2000, Pg1, L39+L40	$ 0.000178017		
22	357C	6	Facilities Termination	WP2000, Pg2, L39+L40	$ 0.000999428		
23	357C	9	Facilities Termination	WP2000, Pg3, L39+L40	$ 0.000259358		
24	357C	15	Facilities Termination	WP2000, Pg4, L39+L40	$ 0.000009001		
25			**Total Facilities Termination**	**Sum L21 to L24**		**$ 0.001445803**	
26							

27	FRC	Sub FRC	Network Element	Source	Investment per MOU per Airline Mile	Total Investment per MOU per Airline Mile	
28	822C	0	Common Transport	WP1900, Pg13, L25	$ 0.000000381		
29	845C	0	Common Transport	WP1900, Pg13, L26	$ 0.000000475		
30	85C	0	Common Transport	WP1900, Pg13, L27	$ 0.000000698		
31	357C	3	Common Transport	WP1900, Pg13, L28	$ 0.000000662		
32	357C	6	Common Transport	WP1900, Pg13, L29	$ 0.000000633		
33	357C	9	Common Transport	WP1900, Pg13, L30	$ 0.000000721		
34	357C	15	Common Transport	WP1900, Pg13, L31	$ 0.000000003		
35	377C	3	Common Transport	WP1900, Pg13, L32	$ 0.000033638		
36	SS7 Expense		Common Transport	WP1900, Pg13, L34	$ 0.000001725		
37			**Total Common Transport**	**Sum L28 to L36**		**$ 0.000038936**	

SNC

Summary of Unbundled Local Switching Functionality (ULS-SF) Investments

State: TN
Workpaper: 1700-000
Date: 8/4/00 11:58

		Source	Amount
1	**Account Code**		**377C-03**
2	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
3			
4	**Calculation of ULS-SF Investment per MOU**		
5	Melded Set-up per Call (Switching Functionality)		
6	Intra-Office Calls	COC, WP1500-000, L17	$ 11.465751636
7	Inter-Office Calls	COC, WP1500-000, L18	$ 19.641257193
8			
9	Melded Set-up per MOU (Switching Functionality)		
10	Intra-Office Calls	L6/L2	$ 3.981163763
11	Inter-Office Calls	L7/L2	$ 6.819880970
12			
13	Melded Duration per MOU (Switching Functionality)		
14	Intra-Office Calls	COC, WP1500-000, L29	$ 18.528422832
15	Inter-Office Calls	COC, WP1500-000, L30	$ 19.740466501
16			
17	Melded Investment per MOU (Switching Functionality)		
18	Intra-Office Calls	L10+L14	$ 22.509586595
19	Inter-Office Calls	L11+L15	$ 26.560347471
20			
21	**Conversion Busy Hour To Any Time, Any Day**		
22	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
23	Equivalent Business Days	SNC Inputs, Pg1, L12	310
24	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
25			
26	**ULS-SF Melded Investment per MOU (Intra-Office)**	L18*L22/L23*L24	$ 0.006723831
27	**ULS-SF Melded Investment per MOU (Inter-office)**	L19*L22/L23*L24	$ 0.007933833
28			
29	**Distribution of Calls**		
30	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	39%
31	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	61%
32			
33	**Calculation of a Weighted Average ULS-SF Investment per MOU**		
34	**Based on per Measured Switch:**		
35	Total ULS-SF Investment per MOU	(L26*L30)+(L27*L31)	$ 0.007457224
36	Equivalent Measured Calls	L30+(2*L31)	1.60610907
37	**Weighted Average ULS-SF Investment per MOU per Measured Switch**	L35/L36	$ 0.004643037
38			
39	Set-up Investment per Call, Any Time, Any Day		
40	Intra-office	L6*L22/L23*L24	$ 0.003424931
41	Inter-office	L7*L22/L23*L24	$ 0.005867034
42			
43	Duration Investment per MOU, Any Time, Any Day		
44	Intra-office	L14*L22/L23*L24	$ 0.005534619
45	Inter-office	L15*L22/L23*L24	$ 0.005896668
46			
47	Weighted Set-up Investment per Call	(L40*L30)+(L41*L31)	$ 0.004905112
48	Weighted Duration Investment per MOU	(L44*L30)+(L45*L31)	$ 0.005754060
49	Weighted Investment per 1st. MOU	L47+L48	$ 0.010659172
50			
51	Coin Calls per Month	SNC Inputs, Pg1, L30	312.6
52	Investment for First Minutes per Month	L49*L51	$ 3.332057173
53	Coin Minutes per Call	SNC Inputs, Pg1, L29	2.88
54	Coin Additional Minutes per Call	L53-1	1.88
55	Coin Additional Minutes per Month	L51*L54	587.688
56	Investments for Additional Minutes per Month	L48*L55	$ 3.381592304
57			
58	Investment for Monthly Usage	L52+L56	$ 6.713649
59			
60			

SNC

Summary of Unbundled Local Switching - Trunk Port (ULS-TP) Investments

State: TN
Workpaper: 1700-100
Date: 8/4/00 11:58
Page: 1 of 1

		Source	Amount
1	**Account Code**		377C-03
2	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
3			
4	**Calculation of ULS-TP Investment per MOU**		
5	Melded Set-up per Call (Trunk Port)		
6	Inter-Office Calls	COC, WP1500-000, L40	$ 1.193418544
7			
8	Melded Set-up per MOU (Trunk Port)		
9	Inter-Office Calls	L6/L2	$ 0.414381439
10			
11	Melded Duration per MOU (Trunk Port)		
12	Inter-Office Calls	COC, WP1500-000, L49	$ 6.214071552
13			
14	Melded Investment per MOU (Trunk Port)		
15	Inter-Office Calls	L9+L12	$ 6.628452991
16			
17	**Conversion Busy Hour To Any Time, Any Day**		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23	**ULS-TP Investment per MOU**	L15*L18/L19*L20	$ 0.001979983
24			
25	ULS-TP Investment per MOU per Trunk Port	L23/2	$ 0.000989992
26			
27	Set-up Investment per Call, Any Time, Any Day	L6*L18/L19*L20	$ 0.000356486
28	Duration Investment per Call, Any Time, Any Day	L12*L18/L19*L20	$ 0.001856203
29	Investment per 1st MOU	L27+L28	$ 0.002212689
30			
31	**Distribution of Calls**		
32	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	39%
33	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	61%
34			
35	Weighted Set-up Investment per Call	L27*L33	$ 0.000216069
36	Weighted Duration Investment per MOU	L28*L33	$ 0.001125062
37	Weighted Investment per 1st. MOU	L35+L36	$ 0.001341131
38			
39	Coin Calls per Month	SNC Inputs, Pg1, L30	312.6
40	Investment for First Minutes per Month	L37*L39	$ 0.419237506
41	Coin Minutes per Call	SNC Inputs, Pg1, L29	2.88
42	Coin Additional Minutes per Call	L41-1	1.88
43	Coin Additional Minutes per Month	L39*L42	587.688
44	Investments for Additional Minutes per Month	L36*L43	$ 0.661185238
45			
46	Investment for Monthly Usage	L40+L44	$ 1.080423
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Summary of Unbundled Tandem Switching - Switching Functionality (UTS-SF) Investments

State: TN
Workpaper: 1800-000
Date 8/4/00 11:58
Page: 1 of 1

		Source	Amount
1	**Account Code**		**377C-03**
2	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
3			
4	**Calculation of UTS-SF Investment per MOU**		
5	Melded Set-up per Call (Switching Functionality)		
6	Inter-Office Calls	COC, WP1600-000, L14	$ 3.326896035
7			
8	Melded Set-up per MOU (Switching Functionality)		
9	Inter-Office Calls	L6/L2	$ 1.155172234
10			
11	Melded Duration per MOU (Switching Functionality)		
12	Inter-Office Calls	COC, WP1600-000, L23	$ 0.000000000
13			
14	Melded Investment per MOU (Switching Functionality)		
15	Inter-Office Calls	L9+L12	$ 1.155172234
16			
17	**Conversion Busy Hour To Any Time, Any Day**		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23	**UTS-SF Investment per MOU**	L15*L18/L19*L20	$ 0.000345061
24			
25	Set-up Investment per Call, Any Time, Any Day	L6*L18/L19*L20	$ 0.000993776
26	Duration Investment per Call, Any Time, Any Day	L12*L18/L19*L20	$ 0.000000000
27	Investment per 1st MOU	L25+L26	$ 0.000993776
28			
29	**Distribution of Calls**		
30	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
31	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
32			
33	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	0.8974
34			
35	Weighted Set-up Investment per Call	L25*L31*L33	$ 0.000540537
36	Weighted Duration Investment per MOU	L26*L31*L33	$ 0.000000000
37	Weighted Investment per 1st. MOU	L35+L36	$ 0.000540537
38			
39	Coin Calls per Month	SNC Inputs, Pg1, L30	312.6
40	Investment for First Minutes per Month	L37*L39	$ 0.168971844
41	Coin Minutes per Call	SNC Inputs, Pg1, L29	2.88
42	Coin Additional Minutes per Call	L41-1	1.88
43	Coin Additional Minutes per Month	L39*L42	587.688
44	Investments for Additional Minutes per Month	L36*L43	$ -
45			
46	Investment for Monthly Usage	L40+L44	$ 0.168972
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Summary of Unbundled Tandem Switching - Trunk Port (UTS-TP) Investments

State: TN
Workpaper: 1800-100
Date: 8/4/00 11:56

		Source	Amount
1	**Account Code**		**377C-03**
2	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
3			
4	**Calculation of UTS-TP Investment per MOU**		
5	Melded Set-up per Call (Trunk Port)		
6	Inter-Office Calls	COC, WP1600-000, L33	$ 0.012997541
7			
8	Melded Set-up per MOU (Trunk Port)		
9	Inter-Office Calls	L6/L2	$ 0.004513035
10			
11	Melded Duration per MOU (Trunk Port)		
12	Inter-Office Calls	COC, WP1600-000, L42	$ 7.798524672
13			
14	Melded Investment per MOU (Trunk Port)		
15	Inter-Office Calls	L9+L12	$ 7.803037707
16			
17	**Conversion Busy Hour To Any Time, Any Day**		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23	**UTS-TP Investment per MOU**	L15*L18/L19*L20	$ 0.002330843
24			
25	**UTS-TP Investment per MOU per Trunk Port**	L23/2	$ 0.001165421
26			
27	Set-up Investment per Call, Any Time, Any Day	L6*L18/L19*L20	$ 0.000003882
28	Duration Investment per Call, Any Time, Any Day	L12*L18/L19*L20	$ 0.002329495
29	Investment per 1st MOU	L27+L28	$ 0.002333377
30			
31	**Distribution of Calls**		
32	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
33	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
34			
35	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	0.8974
36			
37	Weighted Set-up Investment per Call	L27*L33*L35	$ 0.000002112
38	Weighted Duration Investment per MOU	L28*L33*L35	$ 0.001267064
39	Weighted Investment per 1st. MOU	L37+L38	$ 0.001269176
40			
41	Coin Calls per Month	SNC Inputs, Pg1, L30	312.6
42	Investment for First Minutes per Month	L39*L41	$ 0.396744383
43	Coin Minutes per Call	SNC Inputs, Pg1, L29	2.88
44	Coin Additional Minutes per Call	L43-1	1.88
45	Coin Additional Minutes per Month	L41*L44	587.688
46	Investments for Additional Minutes per Month	L38*L45	$ 0.744638376
47			
48	Investment for Monthly Usage	L42+L46	$ 1.141383
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
822C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:56

LN	Description	Source	Outputs
1	**Account Code**		**822C-00**
2	**Facilities**		
3	Facilities Investment per Airline Mile	SNC Inputs, Pg2, L2	0.053
4	Facility Utilization Factor	SNC Inputs, Pg2, L10	1.00
5	Facilities Investment per Airline Mile	L3/L4	0.053
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes per Year	L28*365 days	145,990
30	Facilities Investment per MOU per Airline Mile	L5/L29	$ 0.000000363
31			
32	Avg. Airline Mile	SNC Inputs, Pg2, L26	25.17
33	Facilities Investment per Additional MOU	L30*L32	$ 0.000009138
34	Facilities Investment per 1st MOU	L33	$ 0.000009138
35			
36	**Distribution of Calls**		
37	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
38	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
39			
40	Weighted Duration Investment per MOU	L33*L38	$ 0.000005538
41	Weighted Investment per 1st. MOU	L40	$ 0.000005538
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
845C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:55

LN	Description	Source	Outputs
1	**Account Code**		**845C-00**
2	**Facilities**		
3	Facilities Investment per Airline Mile	SNC Inputs, Pg2, L3	0.066
4	Facility Utilization Factor	SNC Inputs, Pg2, L10	1.00
5	Facilities Investment per Airline Mile	L3/L4	0.066
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes per Year	L28*365 days	145,990
30	Facilities Investment per MOU per Airline Mile	L5/L29	$ 0.000000452
31			
32	Avg. Airline Mile	SNC Inputs, Pg2, L26	25.17
33	Facilities Investment per Additional MOU	L30*L32	$ 0.000011379
34	Facilities Investment per 1st MOU	L33	$ 0.000011379
35			
36	**Distribution of Calls**		
37	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
38	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
39			
40	Weighted Duration Investment per MOU	L33*L38	$ 0.000006897
41	Weighted Investment per 1st. MOU	L40	$ 0.000006897
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
85C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:55

LN	Description	Source	Outputs
1	**Account Code**		**85C-00**
2	**Facilities**		
3	Facilities Investment per Airline Mile	SNC Inputs, Pg2, L4	0.097
4	Facility Utilization Factor	SNC Inputs, Pg2, L10	1.00
5	Facilities Investment per Airline Mile	L3/L4	0.097
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13		L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes per Year	L28*365 days	145,990
30	Facilities Investment per MOU per Airline Mile	L5/L29	$ 0.000000664
31			
32	Avg. Airline Mile	SNC Inputs, Pg2, L26	25.17
33	Facilities Investment per Additional MOU	L30*L32	$ 0.000016724
34	Facilities Investment per 1st MOU	L33	$ 0.000016724
35			
36	**Distribution of Calls**		
37	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
38	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
39			
40	Weighted Duration Investment per MOU	L33*L38	$ 0.000010136
41	Weighted Investment per 1st. MOU	L40	$ 0.000010136
42			
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
822C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:53

LN	Description	Source	Outputs
1	**Account Code**		**822C-00**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L18	$ 0.000006745
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L18	$ 0.000006745
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000013490
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.000849870
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.000849870
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.001699740
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000000254
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000000254
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000000508
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000018
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg.1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000000381
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000000963
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000001334
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000000809
56			
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60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
845C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:52

LN	Description	Source	Outputs
1	**Account Code**		**845C-00**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L19	$ 0.000008517
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L19	$ 0.000008517
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000017034
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.001073142
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.001073142
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.002146284
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000000321
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000000321
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000000641
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000023
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000000386
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000001216
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000001685
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000001021
56			
57			
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60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
85C-00

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:51

LN	Description	Source	Outputs
1	**Account Code**		**85C-00**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L20	$ 0.000012479
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L20	$ 0.000012479
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000024958
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.001572354
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.001572354
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.003144708
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000000470
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000000470
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000000939
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000034
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000000397
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000001782
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000002469
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000001496
56			
57			
58			
59			
60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
357C-03

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:51

LN	Description	Source	Outputs
1	**Account Code**		**357C-03**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L14	$ 0.000242491
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L14	$ 0.000242491
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000484982
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.030553866
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.030553866
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.061107732
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000009127
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000009127
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000018253
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000662
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000001025
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000034634
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000047970
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000029075
56			
57			
58			
59			
60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
357C-06

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:51

LN	Description	Source	Outputs
1	**Account Code**		**357C-06**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L15	$ 0.000231977
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L15	$ 0.000231977
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000463954
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.029229102
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.029229102
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.058458204
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000008731
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000008731
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000017462
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000633
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000000996
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000033132
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000045890
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000027814
56			
57			
58			
59			
60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
357C-09

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:51

LN	Description	Source	Outputs
1	**Account Code**		**357C-09**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L16	$ 0.000264168
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L16	$ 0.000264168
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000528336
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.033285168
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.033285168
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.066570336
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000009943
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000009943
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000019885
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000721
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000001084
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000037730
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000052258
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000031674
56			
57			
58			
59			
60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
357C-15

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:51

LN	Description	Source	Outputs
1	**Account Code**		**357C-15**
2	**SS7**		
3	SS7 STP Investment per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L17	$ 0.000001102
5	SS7 STP Investment per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Investment per Octet for Term. End Office	SNC Inputs, Pg2, L17	$ 0.000001102
7	SS7 STP Investment per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Investment per Octet for Tandem	2*L4	$ 0.000002204
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$ 0.000138852
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$ 0.000138852
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$ 0.000277704
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000000041
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000000041
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$ 0.000000083
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$ 0.000000003
43			
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$ 0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$ 0.000000366
46			
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000000157
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Investment per Call	L47/L48	$ 0.000000218
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Investment per 1st MOU	L49*L53	$ 0.000000132
56			
57			
58			
59			
60			

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Investment per MOU per Airline Mile
377C-03

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:50

LN	Description	Source		Outputs
1	**Account Code**			**377C-03**
2	**SS7**			
3	SS7 STP Investment per Octet for Orig. End Office	SNC Inputs, Pg2, L13	$	0.012326413
4	SS7 Link Investment per Octet for Orig. End Office	SS7 Fundamental Study	$	0.000000000
5	SS7 STP Investment per Octet for Term. End Office	SNC Inputs, Pg2, L13	$	0.012326413
6	SS7 Link Investment per Octet for Term. End Office	SS7 Fundamental Study	$	0.000000000
7	SS7 STP Investment per Octet for Tandem	2*L3	$	0.024652826
8	SS7 Link Investment per Octet for Tandem	2*L4	$	0.000000000
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24		126
10	SS7 STP Investment per Attempt for Orig. End Office	L9*L3	$	1.553128038
11	SS7 Link Investment per Attempt for Orig. End Office	L9*L4	$	0.000000000
12	SS7 STP Investment per Attempt for Term. End Office	L9*L5	$	1.553128038
13	SS7 Link Investment per Attempt for Term. End Office	L9*L6	$	0.000000000
14	SS7 STP Investment per Attempt for Tandem	L9*L7	$	3.106256076
15	SS7 Link Investment per Attempt for Tandem	L9*L8	$	0.000000000
16				
17	Conversion Busy Hour to Any Time, Any Day			
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3		9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12		310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4		1
21				
22				
23				
24	SS7 STP Investment per Attempt for Orig. End Office	L10*L18/L19*L20	$	0.000463934
25	SS7 Link Investment per Attempt for Orig. End Office	L11*L18/L19*L20	$	0.000000000
26	SS7 STP Investment per Attempt for Term. End Office	L12*L18/L19*L20	$	0.000463934
27	SS7 Link Investment per Attempt for Term. End Office	L13*L18/L19*L20	$	0.000000000
28	SS7 STP Invst. per Attempt for Tandem	L14*L18/L19*L20	$	0.000927869
29	SS7 Link Invst. per Attempt for Tandem	L15*L18/L19*L20	$	0.000000000
30	Average Airline Miles	SNC Inputs, Pg2, L26		25.17
31				
32				
33				
34				
35				
36				
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28		89.7%
38				
39				
40				
41	Average # of mins per Call	SNC Inputs, Pg1, L6		2.88
42	SS7 Investment per MOU per Airline Mile	L49/L41/L30	$	0.000033638
43				
44	Facilities Investment per MOU per Airline Mile	WP1900, Pg1, L30	$	0.000000363
45	**Facilities Investment per MOU per Airline Mile**	L40+L44	$	0.000034001
46				
47	SS7 Setup Investment per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$	0.001760538
48	Completion Ratio	SNC Inputs, Pg1, L8		0.722
49	SS7 Setup Investment per Call	L47/L48	$	0.002438419
50				
51	**Distribution of Calls**			
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15		0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16		0.60610907
54				
55	Weighted SS7 Investment per 1st MOU	L49*L53	$	0.001477948
56				
57				
58				
59				
60				

SNC
Unbundled Interoffice Transport - Shared (UIT-S)
SS7 Expense per MOU

LN	Description	Source	Outputs
1	**Expense (Volume Sensitive & Volume Insensitive)**		
2	**SS7**		
3	SS7 STP Expense per Octet for Orig. End Office	SS7 Fundamental Study	$ 0.000000000
4	SS7 Link Expense per Octet for Orig. End Office	SNC Inputs, Pg2, (L21+L22)	$ 0.000632016
5	SS7 STP Expense per Octet for Term. End Office	SS7 Fundamental Study	$ 0.000000000
6	SS7 Link Expense per Octet for Term. End Office	SNC Inputs, Pg2, (L21+L22)	$ 0.000632016
7	SS7 STP Expense per Octet for Tandem	2*L3	$ 0.000000000
8	SS7 Link Expense per Octet for Tandem	2*L4	$ 0.001264032
9	Average # of Octets per Attempt	SNC Inputs, Pg2, L24	126
10	SS7 STP Expense per Attempt for Orig. End Office	L9*L3	$ 0.000000000
11	SS7 Link Expense per Attempt for Orig. End Office	L9*L4	$ 0.079634016
12	SS7 STP Expense per Attempt for Term. End Office	L9*L5	$ 0.000000000
13	SS7 Link Expense per Attempt for Term. End Office	L9*L6	$ 0.079634016
14	SS7 STP Expense per Attempt for Tandem	L9*L7	$ 0.000000000
15	SS7 Link Expense per Attempt for Tandem	L9*L8	$ 0.159268032
16			
17	Conversion Busy Hour to Any Time, Any Day		
18	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
19	Equivalent Business Days	SNC Inputs, Pg1, L12	310
20	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
21			
22			
23			
24	SS7 STP Expense per Attempt for Orig. End Office	L10*L18/L19*L20	$ 0.000000000
25	SS7 Link Expense per Attempt for Orig. End Office	L11*L18/L19*L20	$ 0.000023787
26	SS7 STP Expense per Attempt for Term. End Office	L12*L18/L19*L20	$ 0.000000000
27	SS7 Link Expense per Attempt for Term. End Office	L13*L18/L19*L20	$ 0.000023787
28	SS7 STP Expense per Attempt for Tandem	L14*L18/L19*L20	$ 0.000000000
29	SS7 Link Expense per Attempt for Tandem	L15*L18/L19*L20	$ 0.000047575
30	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
31			
32			
33			
34			
35			
36			
37	Percent Tandem Occurrence	SNC Inputs, Pg2, L28	89.7%
38			
39			
40			
41	Average # of mins per Call	SNC Inputs, Pg1, L6	2.88
42	SS7 Expense per MOU per Airline Mile	L49/L41/L30	$ 0.000001725
43			
44			
45			
46			
47	SS7 Setup Expense per Attempt	L24+L25+L26+L27+(L37*(L28+L29))	$ 0.000090269
48	Completion Ratio	SNC Inputs, Pg1, L8	0.722
49	SS7 Setup Expense per Call	L47/L48	$ 0.000125026
50			
51	**Distribution of Calls**		
52	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
53	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
54			
55	Weighted SS7 Expense per 1st MOU	L49*L53	$ 0.000075779
56			
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Unbundled Interoffice Transport - Shared (UIT-S)
SNC
Summary of Facilities Investment per MOU per Airline Mile
Sum of all accounts

State: TN
Workpaper: 1900-00
Date: 8/4/00 11:50

LN	Description	Source	Outputs
1			
2	**Facilities Investment per MOU per Airline Mile**		
3	822C-00	WP1900-00, Pg1, L30	$ 0.000000363
4	845C-00	WP1900-00, Pg2, L30	$ 0.000000452
5	85C-00	WP1900-00, Pg3, L30	$ 0.000000664
6			
7			
8			
9			
10			
11			
12			
13	**SS7 Investment per MOU per Airline Mile**		
14	822C-00	WP1900-00, Pg4, L42	$ 0.000000018
15	845C-00	WP1900-00, Pg5, L42	$ 0.000000023
16	85C-00	WP1900-00, Pg6, L42	$ 0.000000034
17	357C-03	WP1900-00, Pg7, L42	$ 0.000000662
18	357C-06	WP1900-00, Pg8, L42	$ 0.000000633
19	357C-09	WP1900-00, Pg9, L42	$ 0.000000721
20	357C-15	WP1900-00, Pg10, L42	$ 0.000000003
21	377C-03	WP1900-00, Pg11, L42	$ 0.000033638
22			
23			
24	**Total Facilities Investment per MOU per Airline Mile**		
25	822C-00	L3+L14	$ 0.000000381
26	845C-00	L4+L15	$ 0.000000475
27	85C-00	L5+L16	$ 0.000000698
28	357C-03	L17	$ 0.000000662
29	357C-06	L18	$ 0.000000633
30	357C-09	L19	$ 0.000000721
31	357C-15	L20	$ 0.000000003
32	377C-03	L21	$ 0.000033638
33			
34	SS7 Expense per MOU per Airline Mile	WP 1900-00, Pg12, L42	$ 0.000001725
35			
36			
37	Average Airline Miles	SNC Inputs, Pg2, L26	25.17
38			
39	Coin Minutes Per Month	SNC Inputs, Pg1, L31	900.29
40			
41	**Total Facilities Investment for Monthly Usage**		
42	822C-00	L25*L37*L39	$ 0.008633555
43	845C-00	L26*L37*L39	$ 0.010763618
44	85C-00	L27*L37*L39	$ 0.015816854
45	357C-03	L28*L37*L39	$ 0.015001085
46	357C-06	L29*L37*L39	$ 0.014343938
47	357C-09	L30*L37*L39	$ 0.016338040
48	357C-15	L31*L37*L39	$ 0.000067981
49	377C-03	L32*L37*L39	$ 0.762245455
50			
51	SS7 Expense	L34*L37*L39	$ 0.039083062
52			
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Terminations Investment Per Minute of Use
357C-03

State: TN
Workpaper: 2000-00
Date: 8/4/00 11:49

LN	Description	Source	Output
1	**Account Code**		**357C-03**
2			
3	Facilities Investment per Termination	SNC Inputs, Pg2, L31	$ 5.34
4	Facilities Termination Utilization Factor	SNC Inputs, Pg2, L36	1.00
5	Facilities Investment per Termination	L3/L4	$ 5.34
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs; Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261065
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes Per Year	L28*365 days	145,990
30			
31	Investment per MOU per Facility Termination	L5/L29	$ 0.000036578
32	Average Number of Terminations	SNC Inputs, Pg2, L38	4.014784842
33	Facilities Terminations Investment per MOU	L31*L32	$ 0.000146852
34			
35	**Distribution of Calls**		
36	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
37	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
38			
39	Weighted Duration Investment per MOU	L33*L37	$ 0.000089008
40	Weighted Investment per 1st. MOU	L39	$ 0.000089008
41			
42	Coin Minutes per Month	SNC Inputs, Pg1, L31	900.29
43	Coin Investment per Monthly Usage	L39*L42	$ 0.080133131
44			
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Terminations Investment Per Minute of Use
357C-06

State: TN
Workpaper: 2000-00
Date: 8/4/00 11:49

LN	Description	Source	Output
1	**Account Code**		**357C-06**
2			
3	Facilities Investment per Termination	SNC Inputs, Pg2, L32	$ 29.98
4	Facilities Termination Utilization Factor	SNC Inputs, Pg2, L36	1.00
5	Facilities Investment per Termination	L3/L4	$ 29.98
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261065
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes Per Year	L28*365 days	145,990
30			
31	Investment per MOU per Facility Termination	L5/L29	$ 0.000205357
32	Average Number of Terminations	SNC Inputs, Pg2, L38	4.014784842
33	Facilities Terminations Investment per MOU	L31*L32	$ 0.000824462
34			
35	**Distribution of Calls**		
36	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
37	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
38			
39	Weighted Duration Investment per MOU	L33*L37	$ 0.000499714
40	Weighted Investment per 1st. MOU	L39	$ 0.000499714
41			
42	Coin Minutes per Month	SNC Inputs, Pg1, L31	900.29
43	Coin Investment per Monthly Usage	L39*L42	$ 0.449886424
44			
45			
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59			
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Terminations Investment Per Minute of Use
357C-09

State: TN
Workpaper: 2000-00
Date: 8/4/00 11:49

LN	Description	Source	Output
1	**Account Code**		**357C-09**
2			
3	Facilities Investment per Termination	SNC Inputs, Pg2, L33	$ 7.78
4	Facilities Termination Utilization Factor	SNC Inputs, Pg2, L36	1.00
5	Facilities Investment per Termination	L3/L4	$ 7.78
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261065
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes Per Year	L28*365 days	145,990
30			
31	Investment per MOU per Facility Termination	L5/L29	$ 0.000053291
32	Average Number of Terminations	SNC Inputs, Pg2, L38	4.014784842
33	Facilities Terminations Investment per MOU	L31*L32	$ 0.000213953
34			
35	**Distribution of Calls**		
36	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
37	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
38			
39	Weighted Duration Investment per MOU	L33*L37	$ 0.000129679
40	Weighted Investment per 1st. MOU	L39	$ 0.000129679
41			
42	Coin Minutes per Month	SNC Inputs, Pg1, L31	900.29
43	Coin Investment per Monthly Usage	L39*L42	$ 0.116748316
44			
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SNC
Unbundled Interoffice Transport - Shared (UIT-S)
Facilities Terminations Investment Per Minute of Use
357C-15

State: TN
Workpaper: 2000-00
Date: 8/4/00 11:48

LN	Description	Source	Output
1	**Account Code**		
2			**357C-15**
3	Facilities Investment per Termination	SNC Inputs, Pg2, L34	$ 0.27
4	Facilities Termination Utilization Factor	SNC Inputs, Pg2, L36	1.00
5	Facilities Investment per Termination	L3/L4	$ 0.27
6			
7	Average Busy Hour Busy Season Traffic Load (min.)	SNC Inputs, Pg1, L2/60	48.33333333
8	Busy Hour to Full Day Ratio	SNC Inputs, Pg1, L3	9.260%
9	Minutes of Use Business Day Busy Season	L7/L8	521.96
10	Ratio of Busy Season Load to Business Day	SNC Inputs, Pg1, L4	1
11	Minutes of Use Average Business Day	L9/L10	521.96
12	Ratio of Business Day Load to Calendar Day	SNC Inputs, Pg1, L5	1.177
13	Minutes of Use Average Calendar Day	L11/L12	443.46
14			
15	Average Number of Minutes per Call	SNC Inputs, Pg1, L6	2.88
16	Average Number of Calls per Line, Busy Season, Business Day	SNC Inputs, Pg1, L7	12.1
17	Conversation Minutes per Line Busy Season Business Day	L15*L16	34.8480
18			
19	Completion Ratio	SNC Inputs, Pg1, L8	0.722
20	Attempts per Line per Busy Season Business Day	L16/L19	16.7590
21			
22	Average Number of Nonconversation Minutes	SNC Inputs, Pg1, L9	0.2261065
23	Non. Conv. Min. per Line per Busy Season Business Day	L20*L22	3.7893
24			
25	Total Minutes per Line per Busy Season Business Day	L17+L23	38.6373
26			
27	Percent Conversation Time	L17/L25	90.19%
28	Conversation Minutes Average Calendar Day	L13*L27	399.97
29	Conversation Minutes Per Year	L28*365 days	145,990
30			
31	Investment per MOU per Facility Termination	L5/L29	$ 0.000001849
32	Average Number of Terminations	SNC Inputs, Pg2, L38	4.014784842
33	Facilities Terminations Investment per MOU	L31*L32	$ 0.000007425
34			
35	**Distribution of Calls**		
36	Percent Intra-Office Calls (O+T)	SNC Inputs, Pg1, L15	0.39389093
37	Percent Inter-Office Calls	SNC Inputs, Pg1, L16	0.60610907
38			
39	Weighted Duration Investment per MOU	L33*L37	$ 0.000004500
40	Weighted Investment per 1st. MOU	L39	$ 0.000004500
41			
42	Coin Minutes per Month	SNC Inputs, Pg1, L31	900.29
43	Coin Investment per Monthly Usage	L39*L42	$ 0.004051620
44			
45			
46			
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New

IE Summary – IDF
Source – TIRKS, Interoffice
All Speeds

STATE	Description	Zones (IE+PA) 1	2	3	Total	Zones (IE+PA) 1	2	3	Total	Factor
AL	Sum of Cables	38.00	27.00	120.00	185.00					
	Sum of Air Miles	133.41	150.87	1494.02	1778.30	1.53	1.43	1.27	1.30	RTA Ratio
	Sum of Adjusted Route Miles	204.18	216.08	1892.40	2312.66	5.4	8.0	15.8	12.5	Avg Cable Miles
	Sum of QTY	1782.00	574.00	3004.00	5360.00	46.9	21.3	25.0	29.0	Avg Cable Size
FL	Sum of Cables	298.00	22.00	191.00	511.00					
	Sum of Air Miles	1311.67	119.62	2064.01	3495.19	1.47	1.41	1.30	1.37	RTA Ratio
	Sum of Adjusted Route Miles	1926.78	168.51	2696.77	4786.06	6.5	7.7	14.1	9.4	Avg Cable Miles
	Sum of QTY	11723.00	394.00	3894.00	16011.00	39.3	17.9	20.4	31.3	Avg Cable Size
GA	Sum of Cables	104.00	39.00	203.00	346.00					
	Sum of Air Miles	434.74	186.92	2417.62	3039.28	1.40	1.43	1.27	1.30	RTA Ratio
	Sum of Adjusted Route Miles	606.60	266.69	3066.03	3939.23	5.8	6.8	15.1	11.4	Avg Cable Miles
	Sum of QTY	5600.00	1202.00	4029.00	10831.00	53.8	30.8	19.8	31.3	Avg Cable Size
KY	Sum of Cables	29.00	0.00	138.00	166.00					
	Sum of Air Miles	117.63	0.00	1874.91	1992.54	1.48	N/A	1.28	1.29	RTA Ratio
	Sum of Adjusted Route Miles	173.90	0.00	2014.21	2188.11	6.0	N/A	14.8	13.3	Avg Cable Miles
	Sum of QTY	918.00	0.00	1964.00	2882.00	31.7	N/A	14.4	17.5	Avg Cable Size
LA	Sum of Cables	50.00	47.00	221.00	318.00					
	Sum of Air Miles	167.16	179.20	2682.55	3028.91	1.88	2.15	1.28	1.35	RTA Ratio
	Sum of Adjusted Route Miles	296.37	386.33	3433.79	4084.50	5.9	8.2	15.5	12.8	Avg Cable Miles
	Sum of QTY	1341.00	807.00	2962.00	5110.00	26.8	17.2	13.4	16.1	Avg Cable Size
MS	Sum of Cables	13.00	0.00	238.00	251.00					
	Sum of Air Miles	60.67	0.00	3190.99	3251.66	1.40	N/A	1.23	1.23	RTA Ratio
	Sum of Adjusted Route Miles	85.10	0.00	3917.68	4002.78	6.5	N/A	16.5	15.9	Avg Cable Miles
	Sum of QTY	292.00	0.00	3384.00	3676.00	22.5	N/A	14.2	14.6	Avg Cable Size
NC	Sum of Cables	69.00	28.00	169.00	266.00					
	Sum of Air Miles	336.38	100.66	1613.91	2050.95	1.37	1.48	1.30	1.32	RTA Ratio
	Sum of Adjusted Route Miles	463.71	148.80	2098.38	2710.89	6.7	5.3	12.5	10.2	Avg Cable Miles
	Sum of QTY	2461.00	614.00	2830.00	5916.00	36.0	21.9	16.8	22.3	Avg Cable Size
SC	Sum of Cables	33.00	38.00	91.00	162.00					
	Sum of Air Miles	141.34	189.22	1018.41	1348.97	1.35	1.38	1.36	1.36	RTA Ratio
	Sum of Adjusted Route Miles	190.27	260.28	1387.41	1837.96	5.8	6.8	15.2	11.3	Avg Cable Miles
	Sum of QTY	780.00	614.00	1390.00	2784.00	23.6	16.2	15.3	17.2	Avg Cable Size
TN	Sum of Cables	100.00	24.00	172.00	296.00					
	Sum of Air Miles	367.91	116.76	2482.44	2967.11	1.43	1.53	1.25	1.28	RTA Ratio
	Sum of Adjusted Route Miles	528.64	178.10	3103.23	3809.97	5.3	7.4	18.0	12.9	Avg Cable Miles
	Sum of QTY	3696.00	582.00	3960.00	8238.00	37.0	23.4	23.1	27.8	Avg Cable Size
Total Sum of Cables		734.00	226.00	1540.00	2499.00					
Total Sum of Air Miles		3072.99	1042.34	18638.66	22866.08	1.45	1.56	1.27	1.31	RTA Ratio
Total Sum of Adjusted Route Miles		4443.44	1622.80	23601.86	29668.09	6.1	7.2	15.3	11.9	Avg Cable Miles
Total Sum of QTY		28813.00	4787.00	27427.00	60807.00	39.0	21.2	17.8	24.3	Avg Cable Size

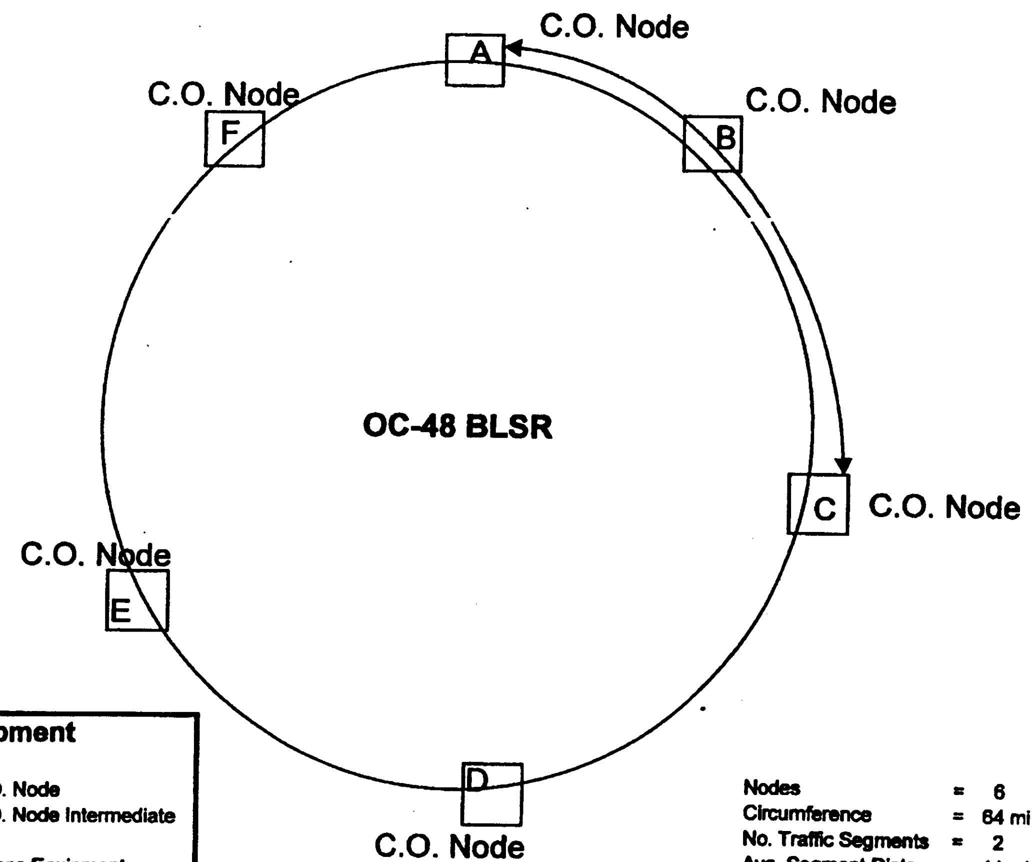
IE – In Effect
PA – Pending Add

1/30/98

All Zones

Design #	Architecture Descriptions	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
1	Switching Locations on the same OC-48 BLSR	40.0%	43.1%	46.6%	38.5%	30.5%	40.8%	41.4%	41.7%	46.4%	43.2%
2	Switching Locations on different, single node interconnected OC-48 BLSRs	16.0%	18.5%	20.1%	12.8%	15.3%	13.6%	13.8%	20.9%	15.5%	17.3%
3	Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	12.3%	13.4%	12.8%	7.6%	0.0%	6.9%	0.0%	15.5%	8.6%
4	Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	8.0%	6.2%	6.7%	12.8%	7.6%	13.6%	6.9%	10.4%	7.7%	8.6%
5	Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	7.1%	5.0%	2.3%	4.9%	4.7%	4.4%	3.0%	1.5%	2.2%	2.3%
6	Switching Locations on the same OC-12 UPSR	10.7%	5.0%	2.3%	7.3%	14.0%	11.1%	6.0%	6.0%	4.4%	7.0%
7	Switching Locations on different, single node interconnected OC-12 UPSRs	3.6%	0.0%	0.0%	2.4%	4.7%	2.2%	3.0%	3.0%	2.2%	2.3%
8	Switching Locations on the same OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
9	Switching Locations on the same OC-3+ UPSR	3.6%	5.0%	2.3%	2.4%	4.7%	2.2%	3.0%	1.5%	2.2%	2.3%
10	Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	4.4%	2.5%	3.0%	1.7%	3.7%	4.0%	6.4%	6.0%	2.0%	3.3%
11	Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
12	Switching Locations on an OC-3 Pt.-to-Pt. System	2.2%	0.0%	0.0%	1.7%	1.8%	2.0%	3.2%	1.8%	0.0%	1.0%
13	Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.9%	1.8%	2.0%	0.0%	1.2%	0.0%	0.7%
	Total All Zones	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Switch Locations (A) and (C) on the same OC-48 BLSR

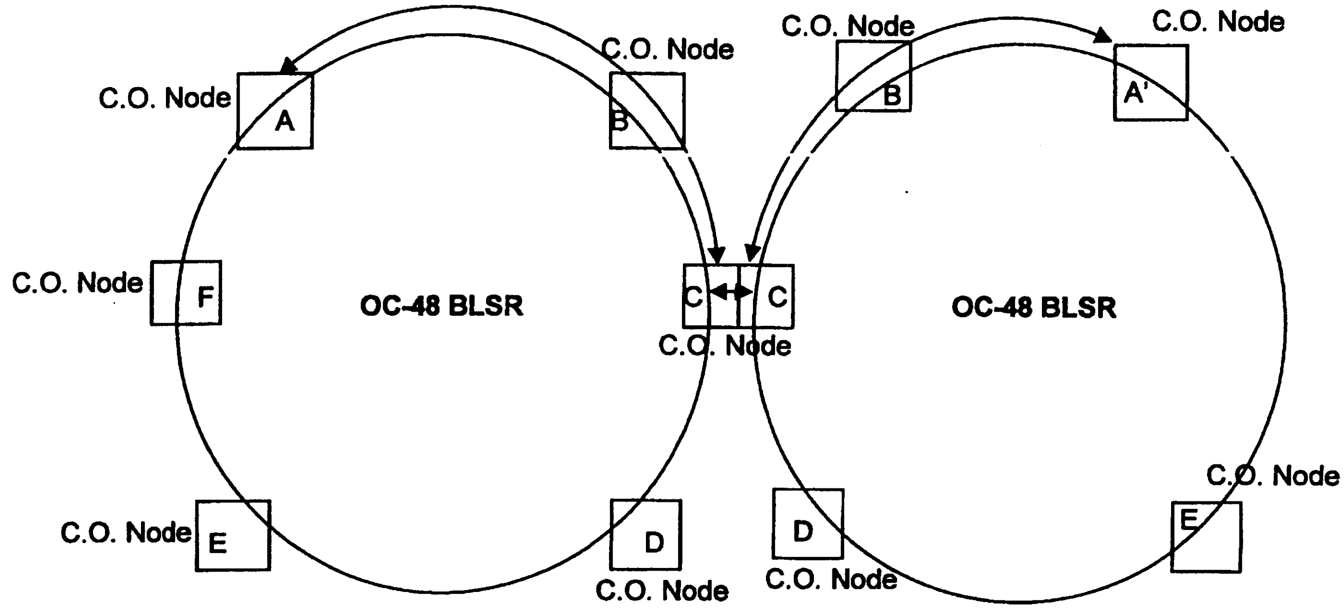


Equipment

OC-48 (BLSR) C.O. Node
OC-48 (BLSR) C.O. Node Intermediate
C.O. Interface
Data Communications Equipment
Fiber

Nodes	=	6
Circumference	=	64 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	11 mi

Switch Locations (A) and (A') on different, single node interconnected OC-48 BLSRs



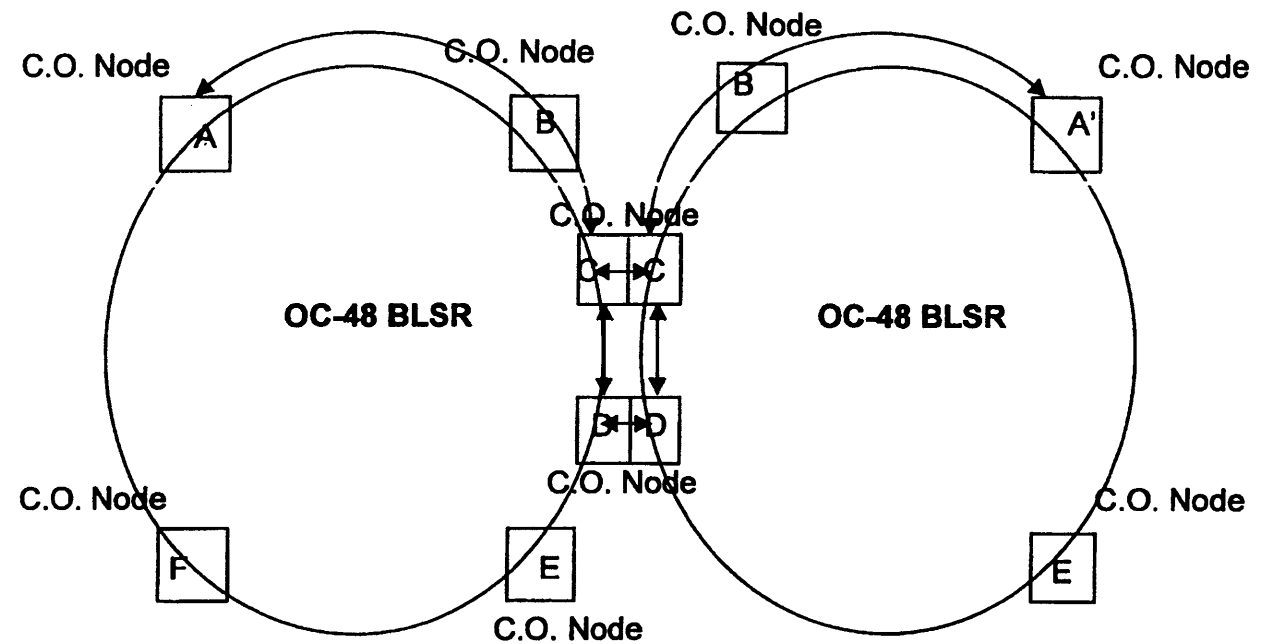
Equipment

OC-48(BLSR) C.O. Node
OC-48(BLSR) C.O. Node Intermediate
C.O. Interface
Data Communications Equipment
Fiber
Ring Connection

Nodes	=	6
Circumference	=	64 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	11 mi

Nodes	=	6
Circumference	=	70 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	12 mi

Switch Locations (A) and (A') on different, dual node interconnected OC-48 BLSRs



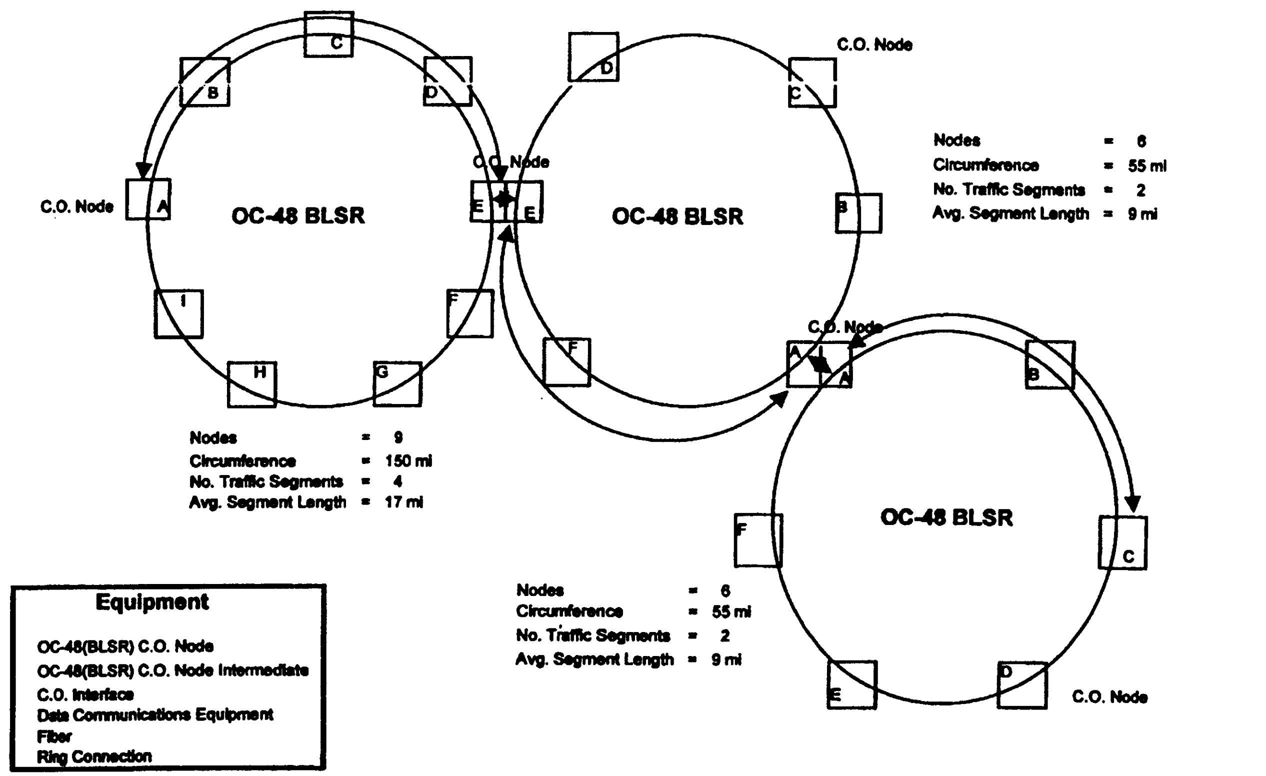
Equipment

OC-48(BLSR) C.O. Node
OC-48(BLSR) C.O. Node Intermediate
C.O. Interface
Data Communications Equipment
Fiber
Ring Connection

Nodes = 6
Circumference = 50 mi
No. Traffic Segments = 3 (includes one additional protect segment)
Avg. Segment Length = 8 mi

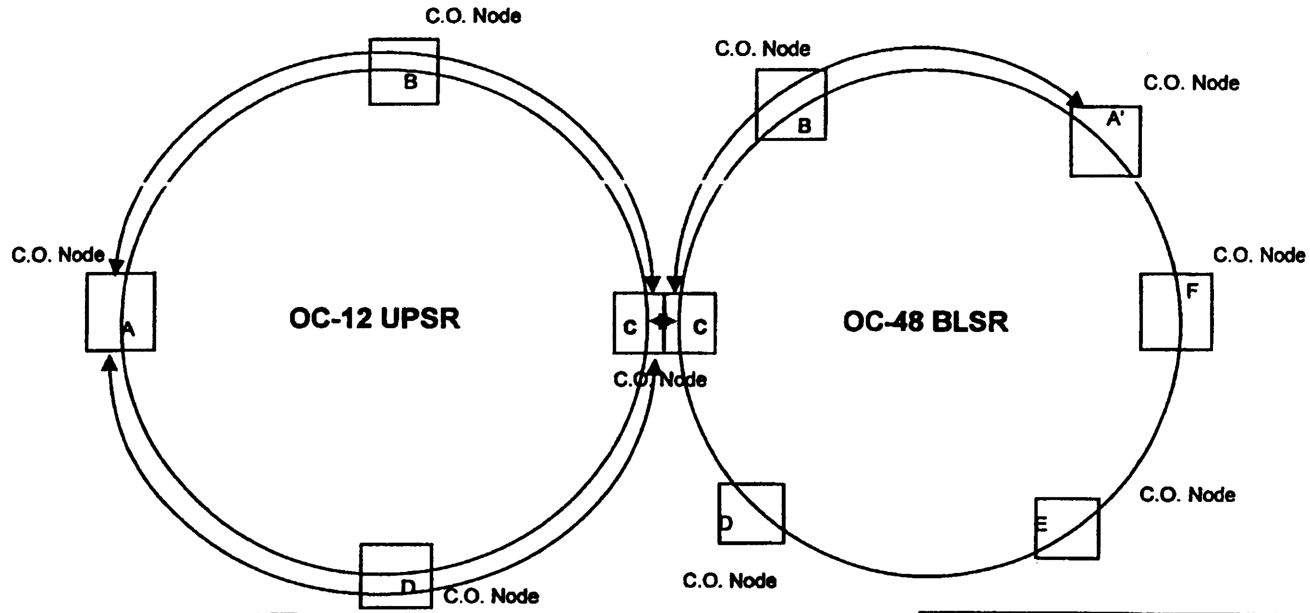
Nodes = 5
Circumference = 50 mi
No. Traffic Segments = 3 (includes one additional protect segment)
Avg. Segment Length = 10 mi

Switch Locations (A) and (C) on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR



[redacted]

Switch Locations (A) and (A') on single node interconnected OC-48 BLSR and OC-12 UPSR



Equipment

OC-12(UPSR) C.O. Node
C.O. Interface
Data Communications Equipment
Ring Connection
Fiber

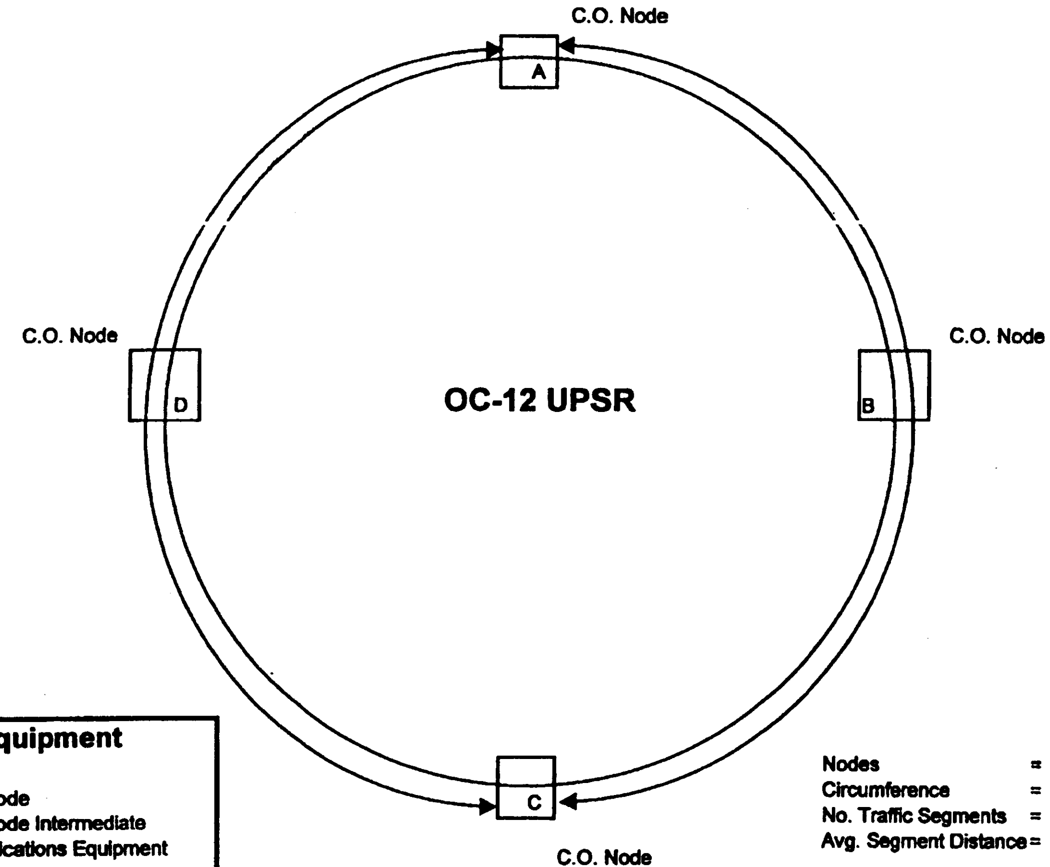
Nodes	=	4
Circumference	=	72 mi
No. Traffic Segments	=	4
Avg. Segment Distance	=	18 mi

Equipment

OC-48(BLSR) C.O. Node
OC-48(BLSR) C.O. Node Intermediate
C.O. Interface
Data Communications Equipment
Ring Connection
Fiber

Nodes	=	6
Circumference	=	70 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	12 mi

Switch Locations (A) and (C) on the same OC-12 UPSR

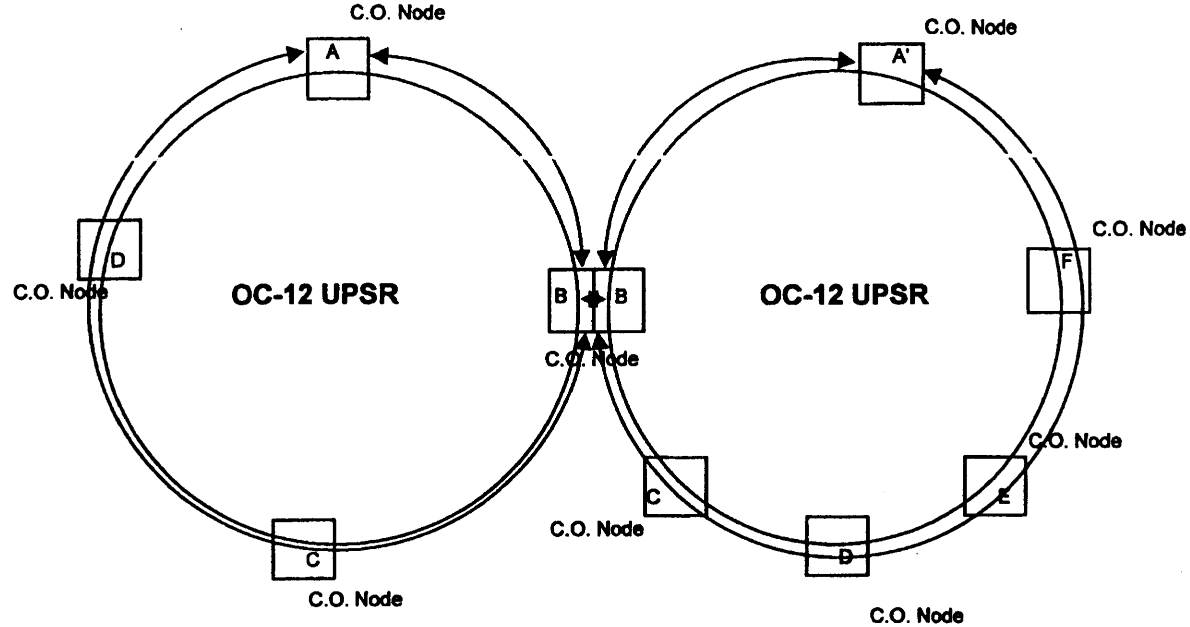


Equipment

OC-12 C.O. Node
OC-12 C.O. Node Intermediate
Data Communications Equipment
Fiber

Nodes	=	4
Circumference	=	72 mi
No. Traffic Segments	=	4
Avg. Segment Distance	=	18 mi

Switch Locations (A) and (A') on different, single node connected OC-12 UPSRs



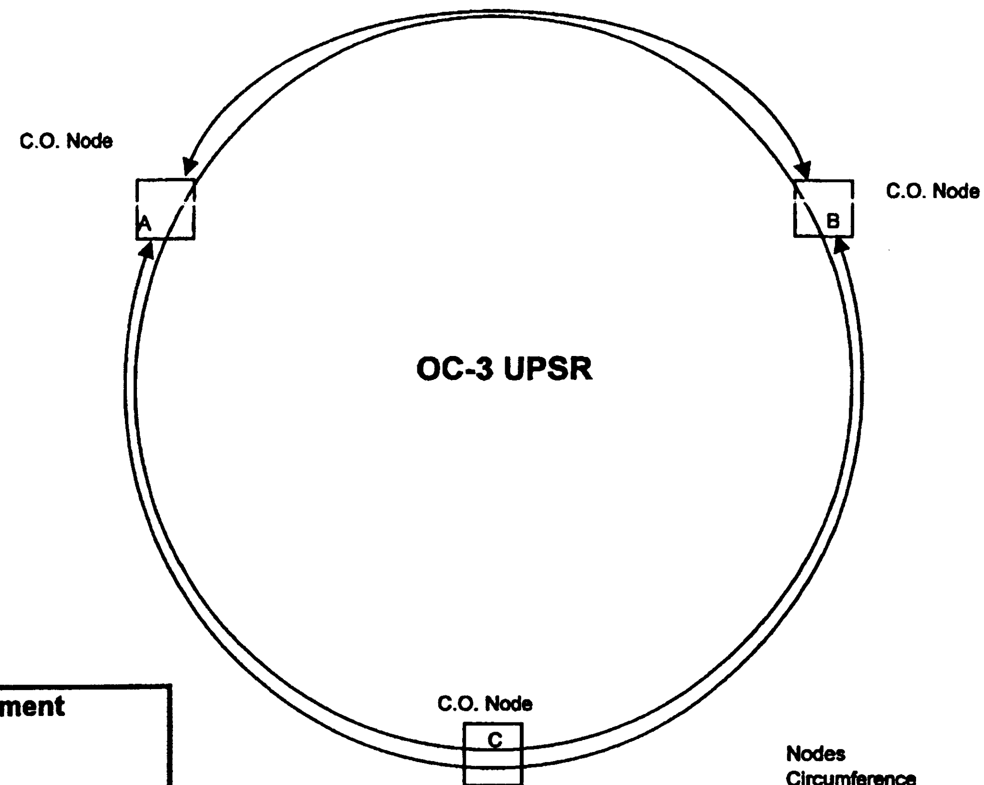
Equipment

OC-12 C.O. Node
C.O. Interface
Data Communications Equipment
Ring Connection
Fiber

Nodes	=	4
Circumference	=	48 mi
No. Traffic Segments	=	4
Avg. Segment Distance	=	12 mi

Nodes	=	6
Circumference	=	102 mi
No. Traffic Segments	=	6
Avg. Segment Distance	=	17 mi

Switch Locations (A) and (B) on the same OC-3 UPSR

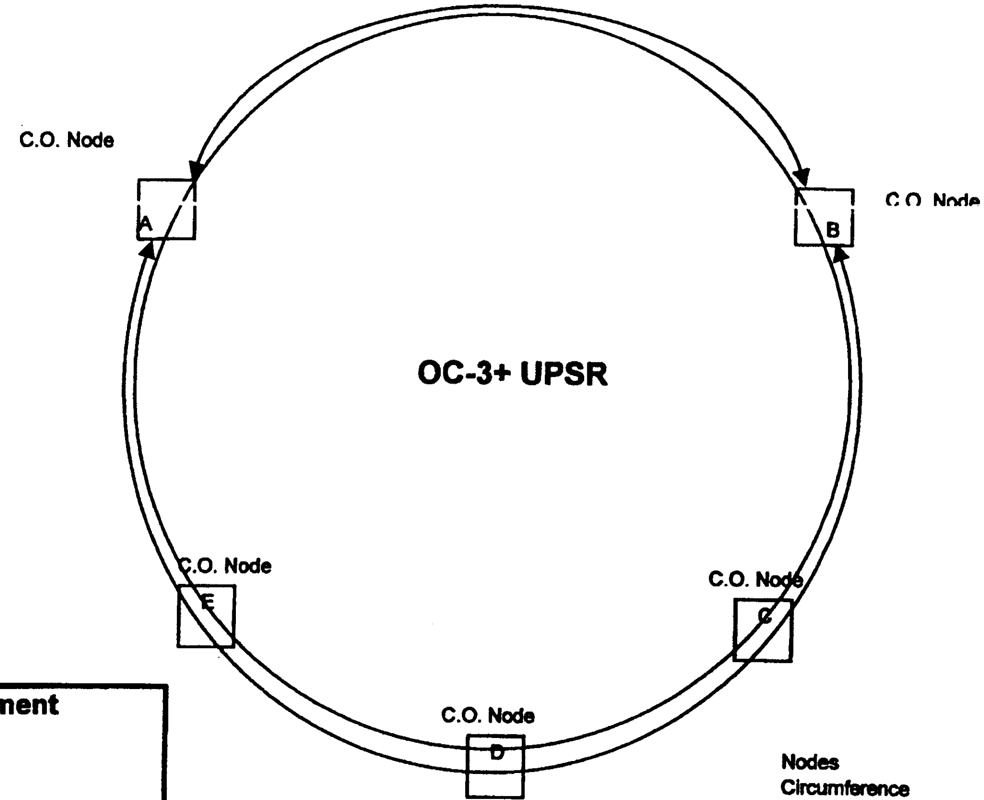


Equipment

OC-3 C.O. Node
C.O. Interface
Data Communications Equipment
Fiber

Nodes	=	3
Circumference	=	36 mi
No. Traffic Segments	=	3
Avg. Segment Distance	=	12 mi

Switch Locations (A) and (B) on the same OC-3+ UPSR

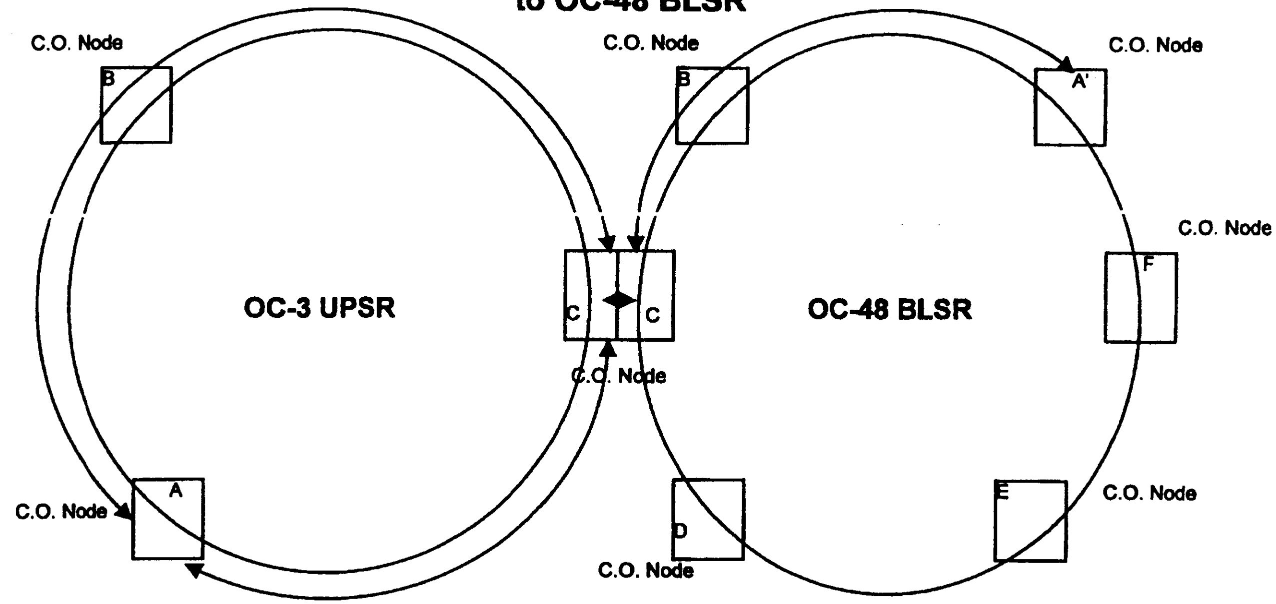


Equipment

OC-3+ C.O. Node
C.O. Interface
Data Communications Equipment
Fiber

Nodes	=	5
Circumference	=	60 mi
No. Traffic Segments	=	5
Avg. Segment Distance	=	12 mi

Switch Locations (A) and (A') on different, single node connected OC-3 UPSR to OC-48 BLSR



Equipment

OC-3 C.O. Node
C.O. Interface
Data Communications Equipment
Fiber
Ring Connection

Nodes	=	3
Circumference	=	36 mi
No. Traffic Segments	=	3
Avg. Segment Distance	=	12 mi

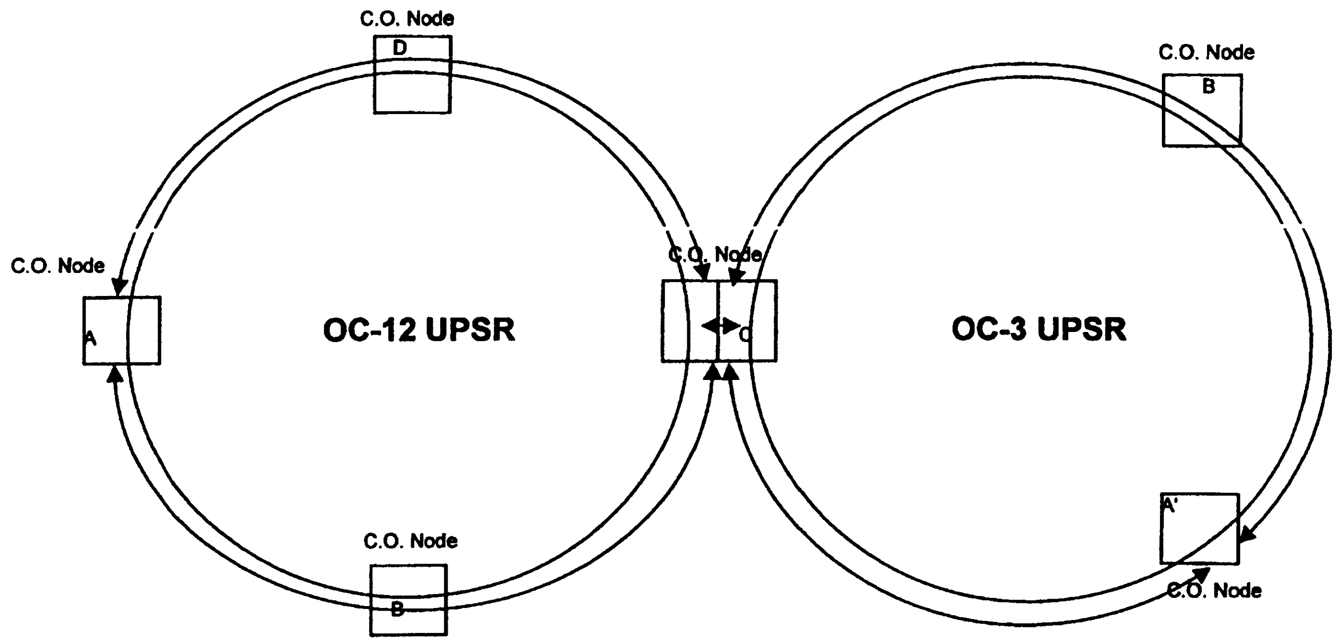
Equipment

OC-48(BLSR) C.O. Node
OC-48(BLSR) C.O. Node Intermediate
C.O. Interface
Data Communications Equipment
Fiber
Ring Connection

Nodes	=	6
Circumference	=	70 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	12 mi

0000034

Switch Locations (A) and (A') on single node connected OC-3 UPSR and OC-12 UPSR



Equipment

OC-12 C.O. Node
C.O. Interface
Ring Connection
Data Communications
Fiber

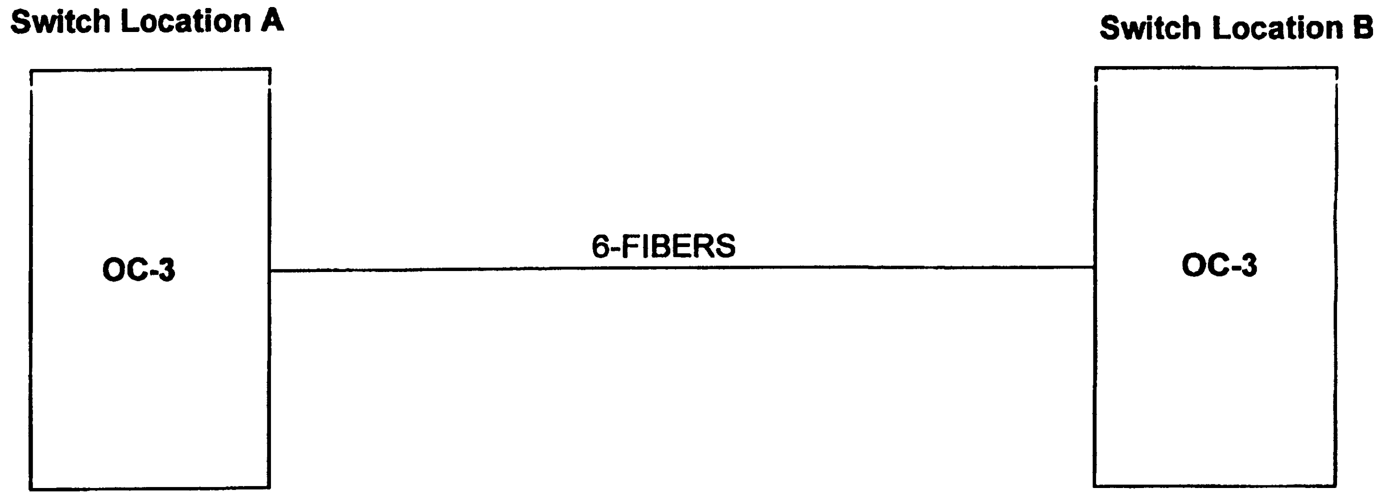
Nodes	=	4
Circumference	=	72 mi
No. Traffic Segments	=	4
Avg. Segment Distance	=	18 mi

Equipment

OC-3 C.O. Node
C.O. Interface
Ring Connection
Data Communications
Fiber

Nodes	=	3
Circumference	=	36 mi
No. Traffic Segments	=	3
Avg. Segment Distance	=	12 mi

Switch Locations (A) and (B) on an OC-3 Pt. to Pt. System

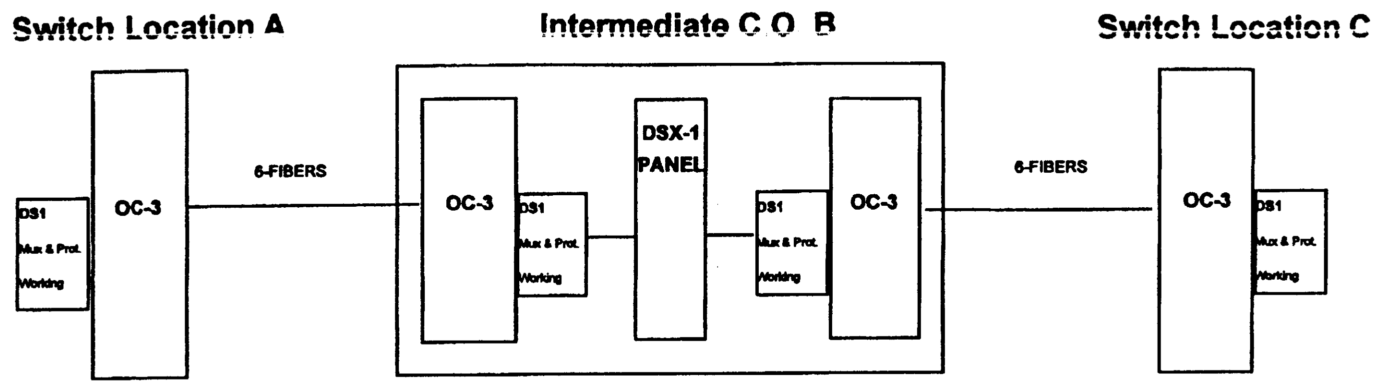


Equipment

OC-3 C.O. Node
C.O. Interface
Fiber

Nodes	=	2
Route Length	=	9 mi
No. Traffic Segments		1
Avg. Segment Length		9 mi

Switch Locations (A) and (C) on back to back OC-3 Pt. to Pt. Systems



Equipment

OC-3 C.O. Node
C.O. Interface
Data Communications Equipment
Fiber

Nodes	=	4
Route Length	=	23 mi
No. Traffic Segments	=	2
Avg. Segment Length	=	11 mi

REQUEST: Please state whether it is BellSouth's policy in Tennessee to provide payphone access lines to business addresses only, or whether BellSouth is willing to provide a payphone access line at a residential address.

RESPONSE: There is nothing in the tariff which expressly prohibits the placement of payphone access lines to a residential address; however, BellSouth does not understand why a residential customer would desire this service.

BellSouth Telecommunications, Inc.
TRA Docket No. 97-00409
Tennessee Payphone's First Data Requests
July 25, 2000
Item No. 10
Page 1 of 1

REQUEST: For each rate element related to BellSouth's payphone access service, identify the cost of that element as shown in the most recent cost study filed by BellSouth in TRA 97-01262 (the UNE cost docket). Identify, by page and line, where each element is found in the cost study.

RESPONSE: See response to Item No. 6. The TELRIC studies filed in TRA Docket 97-01262 provide the cost of Unbundled Network Elements (UNEs) and do not include the cost of payphone access services.