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BEFORE THE ARIZONA CORPORATION COMMISSION

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IN THE MATTER OF THE GENERIC INVESTIGATION INTO U S WEST COMMUNICATIONS, INC.'S COMPLIANCE WITH CERTAIN WHOLESALE PRICING REQUIREMENTS FOR UNBUNDLED NETWORK ELEMENTS AND RESALE DISCOUNTS.	DOCKET NO. T-00000A-00-0194 **QWEST CORPORATION'S AMENDED NOTICE OF FILING COST STUDIES IN COMPLIANCE WITH DECISION NO. 65451**

Qwest Corporation ("Qwest") hereby files with the Arizona Corporation Commission's Docket Control its' Cost Studies, in the form of a CD-Rom, in compliance with Decision No. 65451 setting forth rates and charges in Phase IIA of the above-captioned docket.

DATED: February 5, 2003

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foregoing hand-delivered for
filing this 5th day of February, 2003 to:

Docket Control
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1200 West Washington
Phoenix, Arizona 85007

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Qwest

Collocation: Remote Terminal

ARIZONA
JANUARY 2003

Study ID: 7235

QWEST CORPORATION
Policy and Law

Collocation: Remote Terminal

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Collocation: Remote Terminal

Executive Summary

A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to determine the expenses and recurring costs that will be incurred by Qwest to provide Remote Terminal Collocation for customers.

This study develops Qwest average costs. Costs are based on a per unit basis depending upon which element is being requested.

B. DESCRIPTION OF SERVICE

Remote Terminal Collocation offers space in available remote cabinets eliminating the distance constraints on DSL providers. The space rate element is unitized on a Standard Mounting Unit (SMU) level and includes access to AC/DC power, heat dissipation and terminations to the Feeder Distribution Interface (FDI). The FDI termination rate element is per 25-pairs and includes the termination blocks and cables.

Cost Elements

- **Space** (per standard mounting unit; 1.75 vertical inches)
This non-recurring rate is associated with the cabinet space and includes the cost of the cabinet and all of the work and materials associated with placement of the cabinet. The recurring rate associated with the Space recovers the maintenance of the materials and equipment associated the cabinet along with a portion of the costs required for the power pedestal.

- **Feeder Distribution Interface (FDI) Terminations** (per 25 pair)
This non-recurring rate includes all costs associated with initial FDI upgrade work required to provide the terminations requested at the FDI. The recurring rate associated with the FDI recovers the maintenance of the cable between the FDI and the Remote Collocation cabinet, as well as, the maintenance of the terminations at the FDI. These charges will apply for both DS0 and DS1.

C. STUDY METHODOLOGY

The costs were developed from material, engineering and installation labor costs provided by Subject Matter Experts (SME's) in Central Office Engineering and Outside Plant Engineering.

Monthly maintenance costs were developed by taking the element-specific expense and applying the account code specific maintenance factor.

The investments/expenses from the above items were then entered into the WCP (Wholesale Cost Program) model, developed and used within Qwest.

D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS

Long Run Incremental Cost (LRIC) is the method Qwest uses to estimate product and service costs. It provides a measurement of costs over a period of time long enough to fully adjust to changes of output (including changes in the size of facilities, levels of investment, etc.) in order to optimally accommodate this change. This methodology is forward looking in nature (i.e. LRIC uses the latest technology costs or replacement costs.) Since LRIC is forward looking, it does *not* measure historic investment decisions of the corporation.

The Qwest LRIC format disaggregates the cost results on a *unitized* basis into the components shown below:

Total Service Long Run Incremental Cost (TSLRIC) --Total Service Long Run Incremental Cost is the forward looking cost avoided (or added) by discontinuing (or offering) an entire service or group of services in the most efficient manner, holding constant the production of all other services produced by the firm. This cost is often referred to in economic terms as direct cost.

Shared Cost (SC)-- The cost associated with the provision of multiple services (service family). This cost is not volume sensitive and is eliminated only if the entire service family is discontinued.

Total Service Long Run Incremental Costs plus Shared Costs (TSLRIC+SC)--The Total Service Long Run Incremental Costs for a service plus the Shared Costs of a family of services.

Total Element Long Run Incremental Cost (TELRIC) -- Total Element Long Run Incremental Cost, as defined by the Federal Communications Commission, is the sum of the forward looking direct cost incurred in the production of a network element (as opposed to an entire service), attributed costs considered as shared cost under TSLRIC terminology and selected administrative costs considered as common under TSLRIC terminology.

Common Cost (CC)

For **TSLRIC** purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole. This cost does not vary with the provision of a service or a service family. These costs are sometimes referred to as *general overhead costs.* The Common Cost added to the TSLRIC + SC produces a **Fully Allocated Cost (FAC)** as required by Commission rules.

For **TELRIC** purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole, after those cost that vary with the provisioning of individual network elements are removed. The costs removed from common for TELRIC purposes are included in the TELRIC itself. **Total Long Run Incremental Cost plus TELRIC common costs (TELRIC + CC)** form the basis for pricing Interconnection network elements. TELRIC + CC is the equivalent of fully allocated cost as the term is applied to network elements.

Typically, the cost identified by these cost categories include capital costs for depreciation, return, and income taxes. TSLRIC also includes ongoing operating costs for: administration expense, product management expense, pre sales expense, and business fees.

E. STUDY ASSUMPTIONS

1. All cost are forward looking.
2. See "Inputs" worksheet for a summary of the assumptions.

Collocation: Remote Terminal

Remote Terminal Collocation: Arizona

Rate Summary*

	NRC	RC
Space (per Standard Mounting Unit)	$ 459.45	$ 0.71
FDI Terminations (per binder group (25-PR))	$ 549.10	$ 0.80
Power (see Collocation rates)		

*** Costs Not Included:**

Shelf Cost
Element Management System (EMS)
Remote Test Access Unit
Technician time to re-jumper the FDI through DA Hotel.

Collocation: Remote Terminal

Study Name	*Remote Terminal Collocation*	
Study Requester		
Type of Study	*TELRIC*	
Study ID	*7235*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*January 7, 2003*	
Cost Analyst		
Study Review	**Reviewer**	**Date**
		January 7, 2003
Models Used	**Model**	**Version**
	Wholesale Cost Program	*2.08*
	Cost Factor Databases	*00AZ04E*
Cost Factors Used	**Factor**	**Effective Date**
	Capital Recovery	*01/01*
	Maintenance	*01/01*
	Ad Valorem	*01/01*
	COE Land & Bldg	*01/01*
	Directly Assigned Factors	*01/01*
	Directly Attributable Factors	*01/01*
	Common	*12/01*
	Cost Of Money	*9.61%*
Inflation		
Major Cost Drivers		

Collocation: Remote Terminal

Study Information

	Value
Filing Month	JANUARY
Filing Year	2003
State	AZ
State Full Name	ARIZONA
Run Date	1/7/03
Factor Vintage	*00AZ04E*
Study ID	7235

Configuration Quantities

	Value	Unit
Vendor 1 Cost		
Max Port Usage	3.0	Cards
Additional Cabinet Cost: Pad Mounting Bracket	$ 136.00	Dollars
Additional Cabinet Cost: 2-Protector Blocks for DS1 Terms	$ 522.00	Dollars
Between Cabinets		
Distance Between Cabinets (feet)	35	Feet
Cable Length Between Cabinets (feet)	50	Feet
Total Number Copper Pairs Between Cabinets	400	Pairs
Total Number of DS1s Between Cabinets	50	Pairs
Total Number of 4" Duct Between Cabinets {Copper}	3	Each
Total Number of Set of 2, 2" Innerduct Between Cabinets {Fiber}	1	Set
FDI Specific:		
Number of Additional Termination Blocks	8	Each
Number of Terminations per Block	25	Each

Weightings

	Value	Source
FDI Augment Utilization Fill Factor	70%	
Weighting for Telephony	50%	
Weighting for Packet Switching	85%	
Weighting for Remote Terminal (Whole.)	15%	
Weighting for Remote Terminal Collo w/Telephony	25.0%	
Architecture Weightings		
Vendor 1 Architecture	88%	
Vendor 2 Architecture	12%	
Percent of Time Power Ped Required	90%	
Standard Mounting Unit	1.75	
Cabinet Type 1 (23")	23.00	
Cabinet Type 2 (40")	40.00	
Space Utilization Factor	61.25%	

Collocation Model

	Value	
Power Maint Expense Adj	*0.004362*	G. Investment Factors

Factors

	Value
WCP Version	*2.08*
Cost of Money	*9.61%*
Capital Recovery	*01/01*
Maintenance	*01/01*
Ad Valorem	*01/01*
Power	*01/01*
Sales Tax	*01/01*
Interest During Construction	*01/01*

Collocation: Remote Terminal

COE Land & Bldg	*01/01*
Directly Assigned Factors	*01/01*
Directly Attributable Factors	*01/01*
Common	*12/01*
Vintage	*00AZ04E*
Investment Loadings	
Power	*0.038300*
Sales Tax	*0.000000*
Interest During Construction	*0.010400*
COE Land And Building Investment	
Building	*0.040800*
Land	*0.003500*
Investment Based Monthly Direct Costs	
Depreciation	*0.108162*
Cost Of Money	*0.042094*
Income Tax Expense	*0.017396*
Maintenance	*0.021897*
Ad Valorem Tax	*0.013621*
COE Land And Building Cost	
COE Building	*0.187155*
COE Land	*0.190332*
Directly Assigned	
Product Management Expense	*0.034281*
Sales Expense	*0.011333*
Product Advertising Expense	*0.000000*
Business Fees (Other Operating Taxes)	*0.001848*
Directly Attributed	
Network Operations	*0.050289*
Network Support Assets	*0.015375*
General Support Assets	*0.080638*
General Purpose Computers	*0.036437*
Uncollectible	*0.001017*
Accounting & Finance Expense	*0.007523*
Human Resources Expense	*0.007263*
Information Management Expense	*0.051570*
Intangibles	*0.002516*
State Prescribed Directly Attributed	*0.000000*
Common	
Executive Expense	*0.005786*
Planning Expense	*0.000498*
External Relations Expense	*0.008170*
Legal Expense	*0.005352*
Other Procurement Expense	*0.002025*
Research & Development Expense	*0.000031*
Other General and Admin Expense	*0.015781*
State Prescribed Common	*0.000000*

Collocation: Remote Terminal

Remote Terminal Collocation

JPR Assumption Summary

Configuration Quantities

Weightings

		Conversion SMUs
FDI Augment Utilization Fill Factor	70%	
Weighting for Packet Switching	85%	
Weighting for Remote Terminal (Whole.)	15%	
Weighting for Remote Terminal Collo w/Telephony	25%	
Architecture Weightings		
Vendor 1 Architecture	88%	
Vendor 2 Architecture	12%	
Percent of Time Power Ped Required	90%	
Standard Mounting Unit	1.75	
Cabinet Type 1 (23")	23	13
Cabinet Type 2 (40")	40	23
Space Utilization Factor	61.25%	

Cost Summary

FDI Augment (per block - 25 terminations)

	Loaded Cost	Usage Weighting	SMU Quantity	Utilization Factor	Total
Non-Recurring (per 25 terminations, 1 of 8 blocks)	$ 1,955.39	0.125	*n/a*	70%	$ 349.18
Recurring	$ 2.86	0.125	*n/a*	70%	$ 0.51

DA Cabling

Non-Recurring (per 25-pair, 25 of 400-pair)	$ 2,239.12	0.0625	*n/a*	70%	$ 199.92
Recurring	$ 3.27	0.0625	*n/a*	70%	$ 0.29

	NRC	RC
Total FDI Terminations (per binder group (25-pair))	$ 549.10	$ 0.80

DA Hotel Calculations

DA Hotel: Vendor A	Loaded Cost	Usage Weighting	SMU Quantity	Utilization Factor	Total per SMU
Total Non-Recurring	$ 3,356.14	88%	13	61%	$ 370.91
Total Recurring	$ 5.29	88%	13	61%	$ 0.58
DA Hotel: Vendor B					
Total Non-Recurring	$ 10,393.76	12%	23	61%	$ 88.54
Total Recurring	$ 15.19	12%	23	61%	$ 0.13

	NRC	RC
Total Weighted DA Hotel (per Standard Mounting Unit (SMU))	$ 459.45	$ 0.71

Collocation: Remote Terminal

Remote Terminal Collocation

Configuration Summary

FDI Augment	FRC	RC	NRC	Cost	Wtg	Total Cost
Total Weighted FDI Cost	45			$ 1,436.11	100.00%	$ 1,436.11

DA Cabling	FRC	RC	NRC	Cost	Wtg	Total Cost
Total Weighted DA Hotel Cabling	4/45			$ 1,644.50	100.00%	$ 1,644.50

DA Hotel: Vendor A

Material	FRC	RC	NRC	Cost	Wtg	Total Cost
Cabinet: DA Overlay	257			$ 8,875.97	15.00%	$ 1,331.40
Additional Cabinet Cost: Pad Mounting Bracket	257			$ 136.00	7.50%	$ 10.20
Additional Cabinet Cost: 2-Protector Blocks for DS1 Terms	45			$ 522.00	50.00%	$ 261.00
Installation: Generic Remote DSL Pad	4			$ 1,952.08	7.50%	$ 146.41
Exempt Material	4			$ 454.66	7.50%	$ 34.10
Juicebox Power Pedestal 100-30 Pad	257			$ 2,028.35	6.75%	$ 136.91
Juicebox Power Pedestal 100-30 Pad	257			$ 2,028.35	0.75%	$ 15.21
Remote Ankor Frame for 52E	257			$ 147.23	7.50%	$ 11.04
Total Material Costs						$ 1,946.27

Engineering

Engineering Costs Associated with:

Cabinet: DA Overlay	257			$ 329.95	7.50%	$ 24.75
Installation: Generic Remote DSL Pad	4			$ 106.00	7.50%	$ 7.95
Juicebox Power Pedestal 100-30 Pad	257			$ 53.00	6.75%	$ 3.58
Juicebox Power Pedestal 100-30 Pad	257			$ 53.00	0.75%	$ 0.40
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257			$ 300.00	7.50%	$ 22.50
Total Engineering Costs						$ 59.17

Splicing

Splicing Costs Associated with:

Cabinet: DA Overlay (splice time)	257			$ 4.62	7.50%	$ 0.35
Cabinet: DA Overlay	257			$ 119.26	7.50%	$ 8.94
Exempt Material	257			$ 31.21	7.50%	$ 2.34
Splice Setup: Site Setup for Splice Activity	45			$ 89.00	7.50%	$ 6.68
Exempt Material	45			$ 23.29	7.50%	$ 1.75
Total Splicing Costs						$ 20.05

Collocation: Remote Terminal

Remote Terminal Collocation

Installation

Installation Costs Associated with:

Cabinet: DA Overlay	257		x		$ 26.17	7.50%	$ 1.96		
Installation Hourly Costs	257		x		$ -	7.50%	$ -		
Juicebox Power Pedestal 100-30 Pad (T&T)	257		x		$ 42.03	6.75%	$ 2.84		
Juicebox Power Pedestal 100-30 Pad (T&T)	257	x			$ 42.03	0.75%	$ 0.32		
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257		x		$ 1,700.00	7.50%	$ 127.50		
Remote Ankor Frame for 52E	257		x		$ 84.06	7.50%	$ 6.30		
Placing Cabinet: Less than 1000 Pounds (Cntrctr)	257		x		$ 334.65	7.50%	$ 25.10		
Placement: Power Pedestal (Cntrctr)	257		x		$ 75.51	6.75%	$ 5.10		
Total Installation Costs								$	169.11

Right-Of-Way

Right of Way for Privately Owned Locations	45		x		$ 3,710.00	7.500%	$ 278.25		
Right of Way for Publicly Owned Locations	45		x		$ 106.00	7.500%	$ 7.95		
Total Right-Of-Way Costs								$	286.20
Total Cost, DA Hotel: Vendor A								**$**	**2,480.81**

DA Hotel: Vendor A Weighted Expense by FRC

FRC	Total
4C	$ 188.46
45C	$ 555.62
257C	$ 1,720.81
	$ 2,464.88

DA Hotel: Vendor A Weighted Investment by FRC

FRC	Total
4C	$ -
45C	$ -
257C	$ 15.93
	$ 15.93

Collocation: Remote Terminal

Remote Terminal Collocation

DA Hotel: Vendor B

Material

		RC	NRC	Cost	Wtg	Total Cost
Cost per USAM Shelf	257		x	$ 24,086.53	25%	$ 6,021.63
Placement: Up to 6" Concrete to Forms for Cabinet Base	257		x	$ 2,695.44	13%	$ 336.93
Juicebox Power Pedestal 100-30 Pad	257		x	$ 2,028.35	13%	$ 253.54
Total Material Costs						$ 6,612.11

Engineering

Engineering Costs Associated with:

Cost per USAM Shelf	257		x	$ 530.00	13%	$ 66.25
Juicebox Power Pedestal 100-30 Pad	257		x	$ 53.00	13%	$ 6.63
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257		x	$ 300.00	13%	$ 37.50
Total Engineering Costs						$ 110.38

Splicing

Splicing Costs Associated with:

Splicing: Copper Pairs for Buried Cable - Extra Splices	45		x	$ 477.04	13%	$ 59.63
Exempt Material	45		x	$ 124.82	13%	$ 15.60
Splice Setup: Site Setup for Splice Activity	45		x	$ 89.00	13%	$ 11.13
Exempt Material	45		x	$ 23.29	13%	$ 2.91
Trip Charge for Qwest to and from Urban Work Location	257		x	$ 267.00	13%	$ 33.38
Total Splicing Costs						$ 122.64

Installation

Installation Costs Associated with:

Commons: USAM RT DSL Optical Commons (T&T)	257		x	$ 42.03	13%	$ 5.25
Juicebox Power Pedestal 100-30 Pad (T&T)	257		x	$ 42.03	13%	$ 5.25
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257		x	$ 1,700.00	13%	$ 212.50
Placing Cabinet: 1000 Pounds or More	257		x	$ 446.17	13%	$ 55.77
Placement: Ground Grid	257		x	$ 186.00	13%	$ 23.25
Placement: Power Pedestal (Cntrctr)	257		x	$ 75.51	13%	$ 9.44
Total Installation Costs						$ 311.47

Right-Of-Way

Right of Way for Privately Owned Locations	45		x	$ 3,710.00	13%	$ 463.75
Right of Way for Publicly Owned Locations	45		x	$ 106.00	13%	$ 13.25
Total Right-Of-Way Costs						$ 477.00

Total Cost, DA Hotel: Vendor B **$ 7,633.59**

DA Hotel: Vendor B Expense by FRC

FRC	Total
45C	$ 566.27
257C	$ 7,067.32
	$ 7,633.59

Collocation: Remote Terminal

FDI Augment

FDI Assumption Summary

Configuration Quantities

FDI Specific:

	Amt	Unit
Number of Additional Termination Blocks	8	Each
Number of Terminations per Block	25	Each

Use Existing FDI

Material

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount	
New Termination Blocks								
Block: SAI 25-Pair Block	45			8	*Each*	$ 117.11	$ 936.88	
Total Material Costs								$ 936.88

Engineering

Engineering Costs Associated with:								
Block: SAI 25-Pair Block	45	8	*Each*	1	*Hour(s)*	$ 53.00	$ 424.00	
Total Engineering Costs								$ 424.00

Splicing

Splicing Costs Associated with:								
Block: SAI 25-Pair Block {8*25=200}	45	200	*Pair*	0.007	*Hour(s)*	$ 44.50	$ 59.63	
Exempt Material {8*25=200}	45	200	*Pair*	0.007	*Each*	$ 11.64	$ 15.60	
Total Splicing Costs								$ 75.23

	FDI Total
Total Cost, Use Existing FDI	**$ 1,436.11**

FDI Augment Expense by FRC

FRC	Total
45C	$ 1,436.11
	$ 1,436.11

Collocation: Remote Terminal

DA Hotel Cabling

{Cable placement for new DA Hotel & splicing at FDI only.}

DA Hotel Cabling Assumptions

Configuration Quantities

Between Cabinets

	Amt	Unit
Distance Between Cabinets (feet)	35	Feet
Cable Length Between Cabinets (feet)	50	Feet
Total Number Copper Pairs Between Cabinets	400	Pairs
Total Number of DS1s Between Cabinets	50	Pairs
Total Number of 4" Duct Between Cabinets {Copper}	3	Each
Total Number of Set of 2, 2" Innerduct Between Cabinets {Fiber}	1	Set

DA Hotel Cabling Calculations

Material

Cabling

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Copper Cable Buried: 24 Gauge, 400-Pair	45			50	*Sheath Feet*	$ 2.75	$ 137.61
Copper Cable Buried: 24 Gauge, 50-Pair	45			50	*Sheath Feet*	$ 0.44	$ 22.19
Conduit: 4" PVC-Type Conduit - 1 Duct Buried	4	3	*Each*	35	*Feet*	$ 0.85	$ 89.12
Innerduct: 2, 1-1/4" Innerduct Buried	4	1	*Set*	35	*Feet*	$ 0.73	$ 25.61
Total Material Costs							$ 274.53

Engineering

Engineering Costs Associated with:

Design Work Package	45			8.0	*Hour(s)*	$ 53.00	$ 424.00
Copper Cable Buried: 24 Gauge, 400-Pair	45	50	*Sheath Feet*	0.0112	*Hour(s)*	$ 53.00	$ 29.68
Copper Cable Buried: 24 Gauge, 50-Pair	45	50	*Sheath Feet*	0.0074	*Hour(s)*	$ 53.00	$ 19.61
Conduit: 4" PVC-Type Conduit - 1 Duct Buried {3*35=105}	4	105	*Sheath Feet*	0.0032	*Hour(s)*	$ 53.00	$ 17.81
Innerduct: 2, 1-1/4" Innerduct Buried {1*35=35}	4	35	*Sheath Feet*	0.013	*Hour(s)*	$ 53.00	$ 24.12
Total Engineering Costs							$ 515.21

Splicing

Splicing Costs Associated with:

Copper Cable Buried: 24 Gauge, 400-Pair {2*400=800}	45	800	*Pair*	0.0067	*Hour(s)*	$ 44.50	$ 238.52
Exempt Material {2*400=800}	45	800	*Pair*	0.0067	*Each*	$ 11.64	$ 62.41
Splice Setup: Site Setup for Splice Activity	45	1	*Each*	2	*Hour(s)*	$ 44.50	$ 89.00
Exempt Material	45	1	*Each*	2	*Each*	$ 11.64	$ 23.29
Copper Cable Buried: 24 Gauge, 50-Pair {2*50=100}	45	100	*Pair*	0.0067	*Hour(s)*	$ 44.50	$ 29.82
Exempt Material {2*50=100}	45	100	*Pair*	0.0067	*Each*	$ 11.64	$ 7.80
Splice Setup: Site Setup for Splice Activity	45	1	*Each*	2	*Hour(s)*	$ 44.50	$ 89.00
Exempt Material	45	1	*Each*	2	*Each*	$ 11.64	$ 23.29
Total Splicing Costs							$ 563.13

Collocation: Remote Terminal

DA Hotel Cabling

{Cable placement for new DA Hotel & splicing at FDI only.}

Installation

Costs Associated with:

Single Direct Buried Duct	45	1	*Each*	35	*Feet*	$ 3.04	$ 106.30
Each Additional Duct Placed in Trench	4	4	*Each*	35	*Feet*	$ 0.40	$ 55.36
Exempt Material {4*35=140}	4	140	*Each*	0.0079	*Each*	$ 11.64	$ 12.88
Copper Cable Buried: 24 Gauge, 400-Pair	45	2	*Each*	50	*Sheath Feet*	100	
Pulling Cable into Conduit (Line Costs)	45	2	*Each*	50	*Feet*	$ 0.90	$ 90.12
Line Hourly Costs	45	100	*Each*	0.0010	*Hour(s)*	$ 48.55	$ 4.86
Exempt Material	45	100	*Each*	0.0190	*Each*	$ 11.64	$ 22.12

Total Installation Costs	$ 291.64

Total Cost, DA Hotel Cabling	**$ 1,644.50**

DA Hotel Cabling Expense by FRC

FRC		Total
4C	$	224.89
45C	$	1,419.61
	$	1,644.50

Collocation: Remote Terminal

DA Hotel: Vendor A

FDI Assumption Summary

	Amt	Unit
Configuration Quantities		
Vendor 1 Cost		
Max Port Usage	3	Cards
Additional Cabinet Cost: Pad Mounting Bracket	$ 136.00	Dollars
Additional Cabinet Cost: 2-Protector Blocks for DS1 Terms	$ 522.00	Dollars

DA Hotel: Vendor A Calculations

Material

DA Hotel	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Cabinet: DA Overlay	257			3	per Card	$ 2,958.66	$ 8,875.97
Additional Cabinet Cost: Pad Mounting Bracket	257			1	Each	$ 136.00	$ 136.00
Additional Cabinet Cost: 2-Protector Blocks for DS1 Terms	45			1	Each	$ 522.00	$ 522.00
Installation: Generic Remote DSL Pad	4			1	Each	$ 1,952.08	$ 1,952.08
Exempt Material	4	1	Each	39.0461	Each	$ 11.64	$ 454.66
Juicebox Power Pedestal 100-30 Pad	257			1	Each	$ 2,028.35	$ 2,028.35
Remote Ankor Frame for 52E	257			1	Each	$ 147.23	$ 147.23
Total Material Costs							$ 14,116.29

Engineering

Engineering Costs Associated with:							
Cabinet: DA Overlay	257	3	per Card	2.075134168	Hour(s)	$ 53.00	$ 329.95
Installation: Generic Remote DSL Pad	4	1	Each	2	Hour(s)	$ 53.00	$ 106.00
Juicebox Power Pedestal 100-30 Pad	257	1	Each	1	Hour(s)	$ 53.00	$ 53.00
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257			1	Each	$ 300.00	$ 300.00
Remote Ankor Frame for 52E	257	1	Each	0	Hour(s)	$ 53.00	$ -
Total Engineering Costs							$ 788.95

Splicing *(Cables placed & priced on DA Hotel Cabling tab.)*

Splicing Costs Associated with:							
Cabinet: DA Overlay (splice time)	257	3	per Card	0.034571735	Hour(s)	$ 44.50	$ 4.62
Cabinet: DA Overlay	257	400	Pair	0.0067	Hour(s)	$ 44.50	$ 119.26
Exempt Material	257	400	Pair	0.0067	Each	$ 11.64	$ 31.21
Splice Setup: Site Setup for Splice Activity	45	1	Each	2	Hour(s)	$ 44.50	$ 89.00
Exempt Material	45	1	Each	2	Each	$ 11.64	$ 23.29
Total Splicing Costs							$ 267.37

Installation

Costs Associated with:							
Cabinet: DA Overlay (T&T)	257	3	per Card	0.208	Hour(s)	$ 42.03	$ 26.17
Installation Hourly Costs	257	3	per Card	-	Hour(s)	$ 42.03	$ -
Juicebox Power Pedestal 100-30 Pad (T&T)	257			1.000	Hour(s)	$ 42.03	$ 42.03
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257			1.000	Each	$ 1,700.00	$ 1,700.00
Remote Ankor Frame for 52E	257			2.000	Each	$ 42.03	$ 84.06
Placing Cabinet: Less than 1000 Pounds (Cntrctr)	257			1.000	Each	$ 334.65	$ 334.65
Placement: Power Pedestal (Cntrctr)	257			1.000	Each	$ 75.51	$ 75.51
Total Installation Costs							$ 2,262.42

Right-Of-Way

Costs Associated with:							
Right of Way for Privately Owned Locations	45			3.5	Each	$ 1,060.00	$ 3,710.00
Right of Way for Publicly Owned Locations	45			1	Each	$ 106.00	$ 106.00
Total Right-Of-Way Costs							$ 3,816.00

Total Cost, DA Hotel: Vendor A $ 21,251.02

Collocation: Remote Terminal

DA Hotel: Vendor A

DA Hotel: Vendor A Costs by FRC

FRC		Total
4C	$	2,512.74
45C	$	4,450.29
257	$	14,288.00
	$	21,251.02

Collocation: Remote Terminal

DA Hotel: Vendor B

DA Hotel: Vendor B Calculations

Material

DA Hotel

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Large Cabinet Equipped with 12 USAM Shelves	257			1	Each	$ 34,201.84	
Large Cabinet Equipped with 8 USAM Shelves	257			(1)	Each	$ 30,830.07	
Cost per USAM Shelf	257			1			$ 24,086.53
Placement: Up to 6" Concrete to Forms for Cabinet Base	257			160	Square Feet	$ 16.85	$ 2,695.44
Juicebox Power Pedestal 100-30 Pad	257			1	Each	$ 2,028.35	$ 2,028.35
Total Material Costs							$ 28,810.32

Engineering

Engineering Costs Associated with:

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Large Cabinet Equipped with 12 USAM Shelves	257	1	Each	10	Hour(s)	$ 53.00	$ 530.00
Juicebox Power Pedestal 100-30 Pad	257	1	Each	1	Hour(s)	$ 53.00	$ 53.00
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257			1	Each	$ 300.00	$ 300.00
Total Engineering Costs							$ 883.00

Splicing

{Cables placed & priced on DA Hotel Cabling tab.}

Splicing Costs Associated with:

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Splicing: Copper Pairs for Buried Cable - Extra Splices	45	1,600	Pair	0.0067	Hour(s)	$ 44.50	$ 477.04
Exempt Material	45	1,600	Pair	0.0067	Each	$ 11.64	$ 124.82
Splice Setup: Site Setup for Splice Activity	45	1	Each	2	Hour(s)	$ 44.50	$ 89.00
Exempt Material	45	1	Each	2	Each	$ 11.64	$ 23.29
Trip Charge for Qwest to and from Urban Work Location	257	6	Each	1.0000	Hour(s)	$ 44.50	$ 267.00
Total Splicing Costs							$ 981.15

Installation

Installation Costs Associated with:

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Large Cabinet Equipped with 12 USAM Shelves {T&T}	257	1	Each	1	Hour(s)	$ 42.03	$ 42.03
Juicebox Power Pedestal 100-30 Pad {T&T}	257	1	Each	1.0	Hour(s)	$ 42.03	$ 42.03
Commercial Power: Electrician Cnct AC to Cab (Cntrctr)	257			1	Each	$ 1,700.00	$ 1,700.00
Placing Cabinet: 1000 Pounds or More	257			1	Each	$ 446.17	$ 446.17
Placement: Ground Grid	257			1	Each	$ 186.00	$ 186.00
Placement: Power Pedestal (Cntrctr)	257			1	Each	$ 75.51	$ 75.51
Total Installation Costs							$ 2,491.74

Right-Of-Way

Costs Associated with:

	FRC	Qty	Unit	Qty	Unit	Unit Cost	Amount
Right of Way for Privately Owned Locations	45			3.5	Each	$ 1,060.00	$ 3,710.00
Right of Way for Publicly Owned Locations	45			1	Each	$ 106.00	$ 106.00
Total Right-Of-Way Costs							$ 3,816.00

Total Cost, DA Hotel: Vendor B **$ 36,982.21**

Collocation: Remote Terminal

DA Hotel: Vendor B

DA Hotel: Vendor B Costs by FRC

FRC		Total
45C	$	4,530.15
257C	$	32,452.06
	$	36,982.21

Collocation: Remote Terminal

WCP Recurring

	Factor Value	Monthly Investment
257C Investment		$ 15.93
COE Land And Building Investment		
Building	0.040800	0.64975
Land	0.003500	0.05574
Investment With COE Land And Bldg		16.63085
Investment Based Monthly Direct Costs		
Depreciation	0.108162	0.14354
Cost Of Money	0.042094	0.05586
Income Tax Expense	0.017396	0.02309
Maintenance	0.021897	0.02906
Ad Valorem Tax	0.013621	0.01808
Investment Based Monthly Direct Costs		0.26963
COE Land And Building Cost		
COE Building	0.187155	0.01013
COE Land	0.190332	0.00088
COE Land And Building Monthly Costs		0.01102
Total Investment Based Monthly Costs		0.28065
Directly Assigned		
Product Management Expense	0.034281	0.00962
Sales Expense	0.011333	0.00318
Product Advertising Expense	0.000000	0.00000
Business Fees (Other Operating Tax	0.001848	0.00054
Directly Assigned Costs		0.01334
Total Direct Costs		0.29399
Directly Attributed		
Network Operations	0.050289	0.01478
Network Support Assets	0.015375	0.00452
General Support Assets	0.080638	0.02371
General Purpose Computers	0.036437	0.01071
Uncollectible	0.001017	0.00030
Accounting & Finance Expense	0.007523	0.00221
Human Resources Expense	0.007263	0.00214
Information Management Expense	0.051570	0.01516
Intangibles	0.002516	0.00074
Directly Attributed Costs		0.07427
TELRIC		0.36826
Common		
Executive Expense	0.005786	0.00213
Planning Expense	0.000498	0.00018
External Relations Expense	0.008170	0.00301
Legal Expense	0.005352	0.00197
Other Procurement Expense	0.002025	0.00075
Research & Development Expense	0.000031	0.00001
Other General and Admin Expense	0.015781	0.00581
Common Costs		0.01386
TELRIC + Common Costs		0.38212

Collocation: Remote Terminal

WCP Maintenance

	Factor Value	FDI Augment Total	DA Hotel Cabling Total	Vendor A DA Hotel Total	Vendor B DA Hotel Total
Investment		$ 1,436.11	$ 1,644.50	$ 2,464.88	$ 7,633.59
Investment Based Costs					
Maintenance	0.017535	$2.10	$2.40	$3.60	$11.15
Directly Assigned					
Product Management Expense	0.034281	$0.07194	$0.08238	$0.12347	$0.38238
Sales Expense	0.011333	$0.02378	$0.02723	$0.04082	$0.12641
Product Advertising Expense	0.000000	$0.00000	$0.00000	$0.00000	$0.00000
Business Fees (Other Operating Taxe	0.001848	$0.00405	$0.00464	$0.00696	$0.02155
Directly Assigned Costs		$0.09977	$0.11425	$0.17125	$0.53035
Total Direct Costs		$2.19825	$2.51722	$3.77297	$11.68467
Directly Attributed					
Network Operations	0.050289	$0.11055	$0.12659	$0.18974	$0.58761
Network Support Assets	0.015375	$0.03380	$0.03870	$0.05801	$0.17965
General Support Assets	0.080638	$0.17726	$0.20298	$0.30425	$0.94223
General Purpose Computers	0.036437	$0.08010	$0.09172	$0.13748	$0.42575
Uncollectible	0.001017	$0.00224	$0.00256	$0.00384	$0.01188
Accounting & Finance Expense	0.007523	$0.01654	$0.01894	$0.02838	$0.08790
Human Resources Expense	0.007263	$0.01597	$0.01828	$0.02740	$0.08487
Information Management Expense	0.051570	$0.11336	$0.12981	$0.19457	$0.60258
Intangibles	0.002516	$0.00553	$0.00633	$0.00949	$0.02940
Directly Attributed Costs		$0.55534	$0.63592	$0.95316	$2.95188
TELRIC		$2.75358	$3.15314	$4.72613	$14.63655
Common					
Executive Expense	0.005786	$0.01593	$0.01825	$0.02735	$0.08469
Planning Expense	0.000498	$0.00137	$0.00157	$0.00235	$0.00729
External Relations Expense	0.008170	$0.02250	$0.02576	$0.03861	$0.11958
Legal Expense	0.005352	$0.01474	$0.01688	$0.02529	$0.07833
Other Procurement Expense	0.002025	$0.00558	$0.00639	$0.00957	$0.02965
Research & Development Expense	0.000031	$0.00009	$0.00010	$0.00015	$0.00045
Other General and Admin Expense	0.015781	$0.04345	$0.04976	$0.07458	$0.23098
Common Costs		$0.10366	$0.11870	$0.17791	$0.55097
TELRIC + Common Costs		$2.85724	$3.27184	$4.90404	$15.18752

Collocation: Remote Terminal

WCP Non-Recurring

	Factor Value	EDI Augment Expense	DA Hotel Cabling Expense	Vendor A DA Hotel Expense	Vendor B DA Hotel Expense
Expense		$ 1,436.11	$ 1,644.50	$ 2,464.88	$ 7,633.59
Directly Assigned					
Product Management Expense	0.034281	$ 49.23	$ 56.38	$ 84.50	$ 261.69
Sales Expense	0.011333	$ 16.28	$ 18.64	$ 27.93	$ 86.51
Product Advertising Expense	0.000000	$ -	$ -	$ -	$ -
Business Fees (Other Operating Taxe	0.001848	$ 2.77	$ 3.18	$ 4.76	$ 14.75
Directly Assigned Costs		$ 68.28	$ 78.19	$ 117.20	$ 362.95
Total Direct Monthly Costs		$ 1,504.39	$ 1,722.69	$ 2,582.08	$ 7,996.54
Directly Attributed					
Network Operations	0.050289	$ 75.65	$ 86.63	$ 129.85	$ 402.14
Network Support Assets	0.015375	$ 23.13	$ 26.49	$ 39.70	$ 122.95
General Support Assets	0.080638	$ 121.31	$ 138.91	$ 208.21	$ 644.83
General Purpose Computers	0.036437	$ 54.82	$ 62.77	$ 94.08	$ 291.37
Uncollectible	0.001017	$ 1.53	$ 1.75	$ 2.63	$ 8.13
Accounting & Finance Expense	0.007523	$ 11.32	$ 12.96	$ 19.42	$ 60.16
Human Resources Expense	0.007263	$ 10.93	$ 12.51	$ 18.75	$ 58.08
Information Management Expense	0.051570	$ 77.58	$ 88.84	$ 133.16	$ 412.38
Intangibles	0.002516	$ 3.79	$ 4.33	$ 6.50	$ 20.12
State Prescribed Directly Attributed	0.000000	$0.00	$0.00	$0.00	$0.00
Directly Attributed Costs		$ 380.05	$ 435.20	$ 652.31	$ 2,020.15
TELRIC		$ 1,884.45	$ 2,157.89	$ 3,234.39	$ 10,016.69
Common					
Executive Expense	0.005786	$ 10.90	$ 12.49	$ 18.72	$ 57.96
Planning Expense	0.000498	$ 0.94	$ 1.08	$ 1.61	$ 4.99
External Relations Expense	0.008170	$ 15.40	$ 17.63	$ 26.42	$ 81.84
Legal Expense	0.005352	$ 10.09	$ 11.55	$ 17.31	$ 53.61
Other Procurement Expense	0.002025	$ 3.82	$ 4.37	$ 6.55	$ 20.29
Research & Development Expense	0.000031	$ 0.06	$ 0.07	$ 0.10	$ 0.31
Other General and Admin Expense	0.015781	$ 29.74	$ 34.05	$ 51.04	$ 158.07
State Prescribed Common	0.000000	$0.00	$0.00	$0.00	$0.00
Common Costs		$ 70.94	$ 81.23	$ 121.75	$ 377.06
TELRIC + Common Costs		$ 1,955.39	$ 2,239.12	$ 3,356.14	$ 10,393.76

Qwest

WORKPAPERS

ARIZONA

UNBUNDLED PACKET SWITCHING UNE

ORDERED LIVES

COST STUDY

JANUARY 2003

STUDY ID # 7236

Service Cost And Economic Analysis Organizations

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Study Name	*Unbundled Packet Switching UNE*	
Study Requester		
Type of Study	*TELRIC*	
Study ID	*7236*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*January 07, 2003*	
Cost Analyst	*Paul Massara*	
Study Review	**Reviewer**	**Date**
		January 07, 2003
Models Used	**Model**	**Version**
	Wholesale Cost Program	*2.09*
	Cost Factor Databases	*00AZ04E*
	Cost Factors Model (TELRIC)	*00V2*
Cost Factors Used	**Factor**	**Effective Date**
	Capital Recovery	*01/01*
	Maintenance	*01/01*
	Property Taxes	*01/01*
	COE Land & Bldg	*01/01*
	Marketing Factors	*01/01*
	Billing & Collection (PL)	*01/01*
	Other Direct Expenses	*01/01*
	Common	*12/01*
	Cost Of Money	*9.61%*
Inflation		
Major Cost Drivers		

Parameter File: C:\Runs\Arizona UPS WP 7236.xls, Sheet "WINPC3 Parameters"
State(s): AZ
Database Vintage: 00AZ04E
Factors For: Interconnection
Report Type: ICM Format
Decimal Places: 2
Costs Format: Monthly
Group Totals: Yes
ACF Input: C:\Runs\Arizona UPS WP 7236.xls, Sheet "WINPC3 ACF Inputs"
ACF Output: C:\Runs\Arizona UPS WP 7236.xls, Sheet "WINPC3 ACF Outputs"
Investment: C:\Runs\Arizona UPS WP 7236.xls, Sheet "WINPC3 Investments"
Output: C:\Runs\Arizona UPS WP 7236.xls, Sheet "WINPC3 Output"

[redacted]

State: Arizona

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
Unbundled Packet Switch Customer Channel		$695.53	$5.01	$17.68	$1.16	$4.47	$22.14	$0.83	$22.98
Unbundled Packet Switch Port DS3 Interface		$8,545.21	$3.82	$157.21	$10.32	$39.72	$196.93	$7.41	$204.34
Unbundled Packet Switch Port DS1 Interface		$5,469.30	$3.82	$102.06	$6.70	$25.78	$127.84	$4.81	$132.66
Unbundled Packet Switch DSLAM Functionality		$560.52	$4.97	$15.33	$1.01	$3.87	$19.20	$0.72	$19.92

1/7/03 2:24 PM

Row	Arizona	Source or Calculation	Factor Value	Unbundled Packet Switch Customer Channel	Unbundled Packet Switch Port DS3 Interface	Unbundled Packet Switch Port DS1 Interface	Unbundled Packet Switch DSLAM Functionality
			A	B	C	D	E
1	Investment	sl r"Total" cD		695.53	8,545.21	5,469.30	560.52
2							
3	***Investment Based Costs***	***sl r"Total" cK***		11.82	145.63	93.21	9.62
4							
5	Direct Expenses			5.01	3.82	3.82	4.97
6	Miscellaneous Expenses			0.00	0.00	0.00	0.00
7	Billing & Collection - PL	cA*(r8-r6)	0.004304	0.05	0.63	0.40	0.04
8	***Total IBC + Element Specific Expenses***			16.88	150.07	97.43	14.63
9							
10	***Marketing & Business Fees & Other***						
11	Product Management Expense	cA*(r8-r6)	0.034281	0.58	5.14	3.34	0.50
12	Sales Expense	cA*(r8-r6)	0.011333	0.19	1.70	1.10	0.17
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001848	0.03	0.29	0.19	0.03
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.80	7.14	4.63	0.70
16							
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		17.68	157.21	102.06	15.33
18							
19	***Other Direct Expenses***						
20	Network Operations	cA*(r17-r6)	0.050289	0.89	7.91	5.13	0.77
21	Network Support Assets	cA*(r17-r6)	0.015375	0.27	2.42	1.57	0.24
22	General Support Assets	cA*(r17-r6)	0.080638	1.43	12.68	8.23	1.24
23	General Purpose Computers	cA*(r17-r6)	0.036437	0.64	5.73	3.72	0.56
24	Uncollectible	cA*(r17-r6)	0.001017	0.02	0.16	0.10	0.02
25	Accounting & Finance Expense	cA*(r17-r6)	0.007523	0.13	1.18	0.77	0.12
26	Human Resources Expense	cA*(r17-r6)	0.007263	0.13	1.14	0.74	0.11
27	Information Management Expense	cA*(r17-r6)	0.051570	0.91	8.11	5.26	0.79
28	Intangibles	cA*(r17-r6)	0.002516	0.04	0.40	0.26	0.04
29	***Total Other Direct Expenses***	***Sum r20:r28***		4.47	39.72	25.78	3.87
30							
31	***TELRIC***	***r17 + r29***		22.14	196.93	127.84	19.20
32							
33	***Common***						
34	Executive Expense	cA*(r31-r6)	0.005786	0.13	1.14	0.74	0.11
35	Planning Expense	cA*(r31-r6)	0.000498	0.01	0.10	0.06	0.01
36	External Relations Expense	cA*(r31-r6)	0.008170	0.18	1.61	1.04	0.16
37	Legal Expense	cA*(r31-r6)	0.005352	0.12	1.05	0.68	0.10
38	Other Procurement Expense	cA*(r31-r6)	0.002025	0.04	0.40	0.26	0.04
39	Research & Development Expense	cA*(r31-r6)	0.000031	0.00	0.01	0.00	0.00
40	Other General and Admin Expense	cA*(r31-r6)	0.015781	0.35	3.11	2.02	0.30
41	***Common Costs***	***Sum r34:r40***		0.83	7.41	4.81	0.72
42							
43	***TELRIC + Common Costs***	***r31 + r41***		22.98	204.34	132.66	19.92

1/7/03
Arizona

Unbundled Packet Switching UNE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Property Taxes	Maintenance	Switch RTU	Total Capital Costs
Unbundled Packet Switch Customer Channel										
2232.3	357C	Circuit Equipment - Other Digital Equipment	4.96	0.04	0.02	0.01	0.01	0.01	0.00	0.08
2232.2	257C	Circuit Equipment - Pair Gain - Digital	507.00	4.57	1.78	0.73	0.58	0.60	0.00	8.26
2232.2	257CP	Pair Gain - Digital (Customer Premise)	10.69	0.10	0.04	0.02	0.01	0.01	0.00	0.17
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prei	0.91	0.01	0.00	0.00	0.00	0.00	0.00	0.01
2441	4C	Conduit System	12.51	0.02	0.06	0.03	0.01	0.01	0.00	0.13
2422.11,.21	5C	Underground Cable - Metallic	8.43	0.05	0.04	0.02	0.01	0.03	0.00	0.15
2423.11,.21	45C	Buried Cable - Metallic	68.64	0.54	0.32	0.13	0.08	0.57	0.00	1.63
2422.12,.22	85C	Underground Cable - NonMetallic	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2423.12,.22	845C	Buried Cable - NonMetallic	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2212	377C	Digital Switch	56.02	0.49	0.20	0.08	0.06	0.13	0.00	0.96
2111	20C	Land	2.00	0.00	0.02	0.01	0.00	0.01		0.03
2121	110C	Building	23.25	0.06	0.13	0.05	0.03	0.09		0.36
		Total	695.53	5.89	2.60	1.07	0.79	1.47	0.00	11.82
Unbundled Packet Switch Port DS3 Interface										
2212	377C	Digital Switch	8,174.11	70.99	28.60	11.82	9.28	19.15	0.00	139.84
2111	20C	Land	29.43	0.00	0.22	0.09	0.03	0.12		0.47
2121	110C	Building	341.68	0.85	1.95	0.80	0.39	1.34		5.33
		Total	8,545.21	71.84	30.77	12.72	9.70	20.61	0.00	145.63
Unbundled Packet Switch Port DS1 Interface										
2212	377C	Digital Switch	5,231.78	45.44	18.30	7.56	5.94	12.26	0.00	89.50
2111	20C	Land	18.83	0.00	0.14	0.06	0.02	0.07		0.30
2121	110C	Building	218.69	0.54	1.24	0.51	0.25	0.86		3.41
		Total	5,469.30	45.98	19.69	8.14	6.21	13.19	0.00	93.21
Unbundled Packet Switch DSLAM Functionality										
2232.2	257C	Circuit Equipment - Pair Gain - Digital	471.90	4.25	1.66	0.68	0.54	0.56	0.00	7.69
2423.11,.21	45C	Buried Cable - Metallic	67.26	0.53	0.31	0.13	0.08	0.56	0.00	1.60
2423.12,.22	845C	Buried Cable - NonMetallic	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2111	20C	Land	1.65	0.00	0.01	0.01	0.00	0.01		0.03
2121	110C	Building	19.25	0.05	0.11	0.05	0.02	0.08		0.30
		Total	560.52	4.83	2.09	0.86	0.64	1.20	0.00	9.62

Service	[redacted]
Jurisdiction	[redacted]
Cost Year	[redacted]
Study Date	[redacted]

Section A

Central Office Connecting Channels
Source: DS1 NAC Model

DS1 COCC	FRC	Total Direct Category 1	Total Direct Category 2	Total Direct Category 1 & 2
DS1 COCC	257C	$ 14.72	$ -	$ 14.72

Section B

ATM Port Investments
Source: Switching Model

	FRC	Total Direct Category 1	Total Direct Category 2	Total Direct Category 1 & 2
OC3 Port	377C	$ 10,604.82	$ 290.98	$ 10,895.80
OC3 Port expense	377X	$ 45.80	$ -	$ 45.80
DS3 Port	377C	$ 6,804.65	$ 210.85	$ 7,015.50
DS3 Port expense	377X	$ 45.80	$ -	$ 45.80
DS1 Port	377C	$ 3,982.00	$ 508.22	$ 4,490.22
DS1 Port expense	377X	$ 45.80	$ -	$ 45.80

Section C

Cost of Money Assumption
Source: Factors Group

Cost of Money = 9.61%

Section D

Cable Racking and Frame
Source: Colocation Analyst

Description	FRC	Cost
Cable Racking and Frame	377C	$ 29.41

Section [illegible]

VENDOR PROPRIETARY INFORMATION

Vendor 1 Configuration Equipment Investments

Section [illegible]

VENDOR PROPRIETARY INFORMATION

Vendor 2 Configuration Equipment Investments

Section [illegible]

Vendor 1 Retail/Wholesale Allocation Assumption
Source: Network Engineer

Dedicated Retail Equipment :	100%
Retail/Wholesale Shared Equipment :	85%

Section [illegible]

Remote Terminal (RT) Configuration Weighting Assumptions
Source: Product Manager

	Percentage of Total Deployment
Vendor 1	87.5%
Vendor 2	7.2%
Vendor 3	4.8%
Vendor 4	0.5%

Section [illegible]

Test Set Weighting Assumptions
Source: Product Management

Percentage of Test Set Invesments associated with Data service :	100.0%

Section [illegible]

Vendor 2 Retail/ Wholesale Allocation Assumptions
Source: Network Engineer

Dedicated Retail Equipment =	100.0%
Retail/Wholesale Shared Equipment =	75.0%
Telephony/Data shared Equipment =	37.5%

Section K

Vendor 3 Configuration Cost Assumption
Source: Network Engineer

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

Section L

Common Cabling & Termination Blocks for Remote Terminals
Source: Network Engineer

DA Hotel Cabling

Cable placement for new DA Hotel & splicing at FDI only.

	FRC	Quantity	Unit Cost	Amount
C-COPPER-BURIED-24GA_400PR (per sheath foot)	45C	50	$ 2.75	$137.61
Engineering labor per sheath foot (.0112)	45C	50	$ 53.00	$29.68
C-COPPER-BURIED-24GA_50PR (per sheath foot)	45C	50	$ 0.44	$22.19
Engineering labor per sheath foot (.0074)	45C	50	$ 53.00	$19.61
C-STRCTR-CONDUIT-1_DUCT_BUR, Qty = 3 @ 35'	45C	105	$ 1.02	$107.10
C-STRCTR-INRDUCT-BUR-2DUCT, Qty = 1 @ 35'	845C	35	$ 1.42	$49.72
C-ACTVTY-CONDUIT-ENC-DIRBUR_1DUC	45C	35	$ 3.04	$106.30
C-ACTVTY-CONDUIT-TRENCH_ADDITION, times 4	45C	140	$ 0.49	$68.25
C-ACTVTY-COPPER-PULL_CNDT, times 2	45C	100	$ 1.17	$117.13

Termination Blocks

New Termination Blocks (placed at existing FDI)

C-XCON-SAI-PED-25PR_BLOCKS	45C	8	$ 117.11	$936.88

Engineering

DWP Engineering	45C	8	$ 53.00	$424.00

Splicing Cable at FDI, per Pair

C-ACTVTY-COPPER-SPLICE-BURIED (perpr)	45C	200	$ 0.38	$75.24
8 terminal blocks @ 25 pairs prblock = 200 pairs				

Section M

Demand - Average Subscribers per Remote Terminal
Source: Product Manager

Year	Total Number of Subscribers	Total # of Remote Terminals	Average Cumulative Subscribers per Remote Terminal	Average Incremental Subscribers per Remote Terminal
2001	56448	2400	24	24
2002	186105	5765	33	9
2003	343501	5765	60	27
2004	499796	5765	87	27
2005	614922	5765	107	20
2006	712164	5765	124	17
2007	804005	5765	140	16

Section N

VENDOR PROPRIETARY INFORMATION

Additional Maintenance Costs from Vendor 1

Section O

Average Amount of DA's per Central Office Assumption

Source: Product Manager

Average DA's per CO = 31.3

Section P

Number of Subscribers a DS1 will Carry Assumption

Source: Network Engineer

Subscribers per DS1 = 60

Section Q

ASM-B Card Costs and Assumptions

Source: Switching Model

	FRC	Total Direct Category 1	Total Direct Category 2	Total Direct Category 1 & 2
ASM-B Card	377C	$ 3,902.89	$ 508.22	$ 4,411.11
ASM-B Card Expense	377X	$ 45.80	$ -	$ 45.80

Number of DS1's that can terminate in an ASM-B Card = 8

Section R

Feeder Costs

Source: NAC Model

DS1 Feeder Costs

	FRC	Total Direct Category 1	Total Direct Category 2	Total Direct Category 1 & 2
CIRCUIT-OTHER DIGITAL	357C	$ 235.36	$ -	$ 235.36
CIRCUIT-DIGITAL	257C	$ 632.55	$ -	$ 632.55
CIRCUIT-DIGITAL -PREMISES	257CP	$ 466.03	$ 52.78	$ 518.81
CONDUIT SYSTEMS	4C	$ 610.13	$ -	$ 610.13
UNDERGROUND CABLE METALLIC	5C	$ 413.89	$ -	$ 413.89
BURIED CABLE METALLIC	45C	$ 67.90	$ -	$ 67.90
CIRCUIT-DIGITAL AT RT	257C	$ 982.15	$ 79.39	$ 1,061.53

Fiber Feeder Costs

	FRC	Total Direct Category 1	Total Direct Category 2	Total Direct Category 1 & 2
CIRCUIT-OTHER DIGITAL	357C	$ 262.36	$ -	$ 262.36
CIRCUIT-DIGITAL	257C	$ 26.08	$ -	$ 26.08
CIRCUIT-DIGITAL -PREMISES	257CP	$ 179.50	$ 18.08	$ 197.58
CIRCUIT-DIGITAL SONET	257CS	$ 752.60	$ -	$ 752.60
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$ 1,244.38	$ 127.81	$ 1,372.19
CONDUIT SYSTEMS	4C	$ 138.29	$ -	$ 138.29
UNDERGROUND CABLE NONMETALLIC	85C	$ 96.32	$ -	$ 96.32
BURIED CABLE NONMETALLIC	845C	$ 152.79	$ -	$ 152.79
INTRABUILDING CABLE NONMETALLIC	862C	$ 2.67	$ -	$ 2.67

Section S

Vendor 4 Configuration Cost Assumption
Source: Network Engineer

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

Section T

Mic Cables
Source: Network Engineer

	FRC	Total Investment
20 m. MIC Cable	257C	$ 70.29
5 m. MIC Cable	257C	$ 56.42

Section U

Equipment Utilization Assumption
Source: Product Management

Equipment Utilization	90%

Section V

Common Cabling Retail/Wholesale Allocation Assumption
Source: Network Engineer

Retail Dedicated Equipment	100%
Retail/Wholesale Shared Equipment	75%

Section W

Wholesale Cabnet Cost Adjustment to Vendor 1 Card Material Cost
Source: Colocation Cost Analyst

Adjustment Factor =	97%

READ ME FILE

Below are the instructions for creating the Investments shown on the Inputs Tab of this workbook.
The "VP" designation in front of the tab name indicates that this sheet contains Vendor Proprietary information.
Prior notification must be given to the vendor before Qwest can release this information.

ATM Port Investments
Source: Switching Model

The ATM port investments used in the DSL Hotel Study are from the Microsoft Excel spreadsheet titled "ATM Model MGX 8800." The port investment are found on the tab labeled "CRS" for Cell Relay Service. Inputs used to estimate the ATM Port investment are found on the tab labeled "inputs". Investments are based on the Cisco AX-AUSM-8T1 processor and AX-RJ48-8T1 interface cards. A port card utilization factor of 67% is used. Spare cards are included at 1 pare card per 8 AUSM and RJ48 cards.

Cost of Money Assumption
Source: Factors Group

This input was found by checking with the Factors Group to see what the current Wholesale Cost of Money for Arizona was at the time of this study.

Cable Racking and Frame
Source: Colocation Analyst

These investments were develped and provided by the Colocation Analyst

Vendor 1 Configuration Equipment Investments
Source: Network Engineer

The detailed investments for the Vendor 1 Configuration were provided by the Network Engineer for this project. The Network Engineer was responsible for providing the line by line detail shown in the Inputs Tab.

Vendor 2 Configuration Equipment Investments
Source: Network Engineer

The detailed investments for the Vendor 2 Configuration were provided by the Network Engineer for this project. The Network Engineer was responsible for providing the line by line detail shown in the Inputs Tab.

Vendor 1 Retail/Wholesale Allocation Assumption
Source: Network Engineer

The Network Engineer went through the investments for the Vendor 1, item by item, identifying the equipment that would be shared between Retail and Wholesale. The equipment identified as shared between Retail and Wholesale then had the 85% allocation applied to pick up the costs not recovered in the Wholesale Colocation Study.

Remote Terminal (RT) Configuration Weighting Assumptions
Source: Product Manager

The Remote Terminal Configurations in the Inputs tab were developed by Product Management, and were based on the planed deployment plans of the different RT Configurations.

Test Set Weighting Assumptions
Source: Product Management

The Weighting for the Test Set was provided by Product management and was based on the ability of the Test set to be used for testing other services.

Vendor 2 Retail/ Wholesale Allocation Assumptions
Source: Network Engineer

The Network Engineer went through the investments for the Vendor 2 Configuration, item by item, identifying the equipment that would be shared between Retail and Wholesale. The equipment identified as shared between Retail and Wholesale then had the 85% allocation applied to pick up the costs not recovered in the Wholesale Colocation Study. In addition to the 85% allocation some equipment was identified as being shared between Data and Telephony services. This equipment then had a 42.5% allocation applied to reflect that the equipment would be used 50% of the time for Telephony and 50% of the time for Data services. Of the 50% for Data services the 85% was then applied to create the 42.5%.
(Data 50% x 85% = 42.5% for equipment shared with Telephony)

Vendor 3 Configuration Cost Assumption
Source: Network Engineer

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

Common Cabling & Termination Blocks for Remote Terminals
Source: Network Engineer

The detailed investments for the Common Cabling & Termination Blocks for RTs were provided by the Network Engineer for this project. The Network Engineer was responsible for providing the line by line detail shown in the Inputs Tab.

Demand - Average Subscribers per Remote Terminal
Source: Product Manager

The Average Subscriber per RT demand numbers were provided by Product management. The demand numbers were based off of Subscriber forecasts produced by Product Management.

Additional Maintenance Costs from Vendor 1
Source: Network Engineer

The costs associated with the Vendor 1 Maintenance Costs were provided by the Network Engineer and were based off of the actual Contract with Vendor 1.

Average Amount of DA's per Central Office Assumption
Source: Product Manager

The average RT per Central Office assumption was provided by Product Management.

Number of Subecribers a DS1 will Carry Assumption
Source: Network Engineer

The Number of Subscribers per DS1 assumption was provided by the Network Engineer.

AUSM-B Card Costs and Assumptions
Source: Switching Model

The ATM port investments used in the DSL Hotel Study are from the Microsoft Excel spreadsheet titled "ATM Model MGX 8800." The port investment are found on the tab labeled "CRS" for Cell Relay Service. Inputs used to estimate the ATM Port investment are found on the tab labeled "inputs". Investments are based on the Cisco AX-AUSM-8T1 processor and AX-RJ48-8T1 interface cards. A port card utilization factor of 67% is used. Spare cards are included at 1 pare card per 8 AUSM and RJ48 cards.

Feeder Costs
Source: DS1 NAC Model

Read Me File for the DS1 investments used in DA Hotel Study

To generate the WINPC3 investment results found in this study do as follows:

a) open the V11002.0 AZ version of the NAC model
b) go to the "Start" worksheet and enter the State two letter code in cell B2 and hit Enter
(make sure the state code matches the ones in column A rows 8-22)
c) at the "Start" worksheet go to cell E4 and select DS1 (this will take you to the WINPC3 Investments Tab)
d) click the "Return to Start" button in H2 (this will take you back to the "Start" Tab)
e) at the "Start" worksheet go to cell E4 and select OC3 (this will take you to the WINPC3 Investments Tab)

additional remote termination investments were added to these results

Vendor 4 Configuration Cost Assumption
Source: Network Engineer

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

Mic Cables
Source: Network Engineer

The costs for the Mic Cables were provided by the Network Engineer.

Equipment Utilization Assumption
Source: Product Management

The equipment Utilization assumption was provided by Product Management.

Common Cabling Retail/Wholesale Allocation Assumption
Source: Network Engineer

The Common cabling assumption was based off of the costs identified in the Wholesale Colocation Study. The remaining costs were recovered in this cost study. These costs were identified by the Network Engineer.

Wholesale Cabinet Cost Adjustment to Vendor 1 Card Material Cost
Source: Colocation Cost Analyst

The Adjustment factor was developed by the Colocation Cost Analyst and was based off of the identified Contract costs of the Vendor 1 Cabinet.
The adjustment factor was developed by taking the cost of the cabinet and applying the 15% weighting for costs to be captured in the Colocation study.
The remaining costs were captured in this cost study.

Unbundled Packet Switch UNE

Arizona

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Vendor 1 Configuration Calculations

1. Vendor 1 Configuration Equipment Investments from Input Tab, Sec. E

2. Demand - Average Subscribers per Remote Terminal from Inputs Tab, Sec. M

Year	Total Number of Subscribers	Total # of Remote Terminals	Average Cumulative Subscribers per Remote Terminal	Average Incremental Subscribers per Remote Terminal
2001	56448	2400	24	24
2002	186105	5765	33	9
2003	343501	5765	60	27
2004	499796	5765	87	27
2005	614922	5765	107	20
2006	712164	5765	124	17
2007	804005	5765	140	16

3. Cost of Money Assumption from Inputs Tab, Sec. C

Cost of Money = 9.61%

4. Equipment Utilization Assumption from Inputs Tab, Sec. U

Equipment Utilization 90%

5. Wholesale Cabnet Cost Adjustment for Vendor 1 Card Material Cost from Inputs Tab, Sec. W

Adjustment Factor = 97%

6. Development of Net Present Value of Vendor 1 Card Costs

7. Test Set Weighting Assumption from Inputs Tab, Sec. I

Percentage of Test Set Invesments associated with Data service : 100.0%

8. Development of Weighted Test Set Investment

9. Additional Maintenance Costs from Vendor 1 from Inputs Tab, Sec. N

10. Average Amount of DA's per Central Office Assumption from Inputs Tab, Sec. O

Average DA's per CO = 31.3

11. Number of Subscribers a DS1 will Carry Assumption from Inputs Tab, Sec. P

Subscribers per DS1 = 60

12. ASM-B Card Costs from Port Inv. Builder Tab, #4

	FRC	Total Loaded Cost
ASM-B Card	377C	$ 5,139.60
ASM-B Card Expense	377X	$ 45.80

13. ASM-B Card Assumption from Inputs Tab, Sec. Q

Number of DS1's that can terminate in an ASM-B Card = 8

14. Development of ASM-B Card Cost Net Present Value

	2001	2002	2003	2004	2005	2006	2007
Total Subscribers	24	33	60	87	107	124	140
DS1's per RT	1	0	0	1	0	1	0
DS1's per CO	32	0	0	32	0	32	0
Needed ASM-B Cards	4	0	0	4	0	4	0
ASM-B Costs by FRC							
377C	$ 20,558.41	$ -	$ -	$ 20,558.41	$ -	$ 20,558.41	$ -
377X	$ 183.20	$ 183.20	$ 183.20	$ 366.40	$ 366.40	$ 549.60	$ 549.60

** Uses Subscirber per DS1 assumption from #11 to figure when a second DS1 would be needed.

** Uses Average DA's per CO assumption from #10 to adjust RT forcast to a CO forcast.

** Uses # of DS1's per ASM-B Card assumption from #13 to create ASM-B forcast.

Net Present Value of ASM-B Card by FRC			Avg Da's per CO		NPV of ASM-B Card Inv. Per RT
377C	$ 49,163.59	/	31.3	=	$ 1,570.72
377X	$ 1,699.18	/	31.3	=	$ 54.29

15. Retail/Wholesale Cost Weighting Assumption from Inputs Tab, Sec. G

Dedicated Retail Equipment :	100%
Retail/Wholesale Shared Equipment :	85%

16. Development of Retail Allocation of Total Weighted Vendor 1 Costs

17. Feeder Cost from Inputs Tab, Sec. R

	FRC	Total Cost		Combining Like FRC codes		Total Feeder Costs
CIRCUIT-OTHER DIGITAL	357C	$ 235.36				$ 235.36
CIRCUIT-DIGITAL	257C	$ 632.55	+	$ 1,061.53	=	$ 1,694.08
CIRCUIT-DIGITAL -PREMISES	257CP	$ 518.81				$ 518.81
CONDUIT SYSTEMS	4C	$ 610.13				$ 610.13
UNDERGROUND CABLE METALLIC	5C	$ 413.89				$ 413.89
BURIED CABLE METALLIC	45C	$ 67.90				$ 67.90
CIRCUIT-DIGITAL AT RT	257C	$ 1,061.53				

18. Development of Feeder Cost Net Present Value

	2001	2002	2003	2004	2005	2006	2007
Total Subscribers	24	33	60	87	107	124	140
DS1's per RT	1	0	0	1	0	1	0
Feeder Costs by FRC							
357C	$ 235.36	$ -	$ -	$ 235.36	$ -	$ 235.36	$ -
257C	$ 1,694.08	$ -	$ -	$ 1,694.08	$ -	$ 1,694.08	$ -
257CP	$ 518.81	$ -	$ -	$ 518.81	$ -	$ 518.81	$ -
4C	$ 610.13	$ -	$ -	$ 610.13	$ -	$ 610.13	$ -
5C	$ 413.89	$ -	$ -	$ 413.89	$ -	$ 413.89	$ -
45C	$ 67.90	$ -	$ -	$ 67.90	$ -	$ 67.90	$ -

** Uses Subscirber per DS1 assumption from #11 to figure when a second DS1 would be needed.

NPV of Feeder Costs by FRC	
357C	$ 562.84
257C	$ 4,051.24
257CP	$ 1,240.69
4C	$ 1,459.07
5C	$ 989.78
45C	$ 162.38

19. DS1 COCC Investments from Inputs Tab, Sec A

	FRC	Total Cost
DS1 COCC	257C	$ 14.72

20. Development of Overall Vendor 1 Remote Costs by FRC

21. Development of Overall Vendor 1 Remote Costs by FRC for RT Equipment offering

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Vendor 2 Confiuration Calculations

1. Vendor 2 Configuration Equipment Investments from Input Tab, Sec. F

2. Development of Retail Cabnet Costs

3. Demand - Average Subscribers per Remote Terminal from Inputs Tab, Sec. M

Year	Total Number of Subscribers	Total # of Remote Terminals	Average Cumulative Subscribers per Remote Terminal	Average Incremental Subscribers per Remote Terminal
2001	56448	2400	24	24
2002	186105	5765	33	9
2003	343501	5765	60	27
2004	499796	5765	87	27
2005	614922	5765	107	20
2006	712164	5765	124	17
2007	804005	5765	140	16

4. Cost of Money Assumption from Inputs Tab, Sec. C

Cost of Money = 9.61%

5. Equipement Utilization Assumption from Inputs Tab, Sec. U

Equipment Utilization 90%

6. Development of Net Present Value of Vendor 2 Card Costs

7. Vendor 2 Retail/Wholesale Allocation Assumptions from Inputs Tab, Sec. I

Dedicated Retail Equipment =	100.0%
Retail/Wholesale Shared Equipment =	75.0%
Telephony/Data shared Equipment =	37.5%

8. Development of Vendor 2 Retail Costs

9. OC3 Port Investments from Port Inv. Builder Tab, #4

	FRC		Total Loaded Investment
OC3 Port	377C	$	12,695.24
OC3 Port expense	377X	$	45.80

10. Fiber Feeder Costs from Inputs Tab, Sec. R

	FRC		Total Cost
CIRCUIT-OTHER DIGITAL	357C	$	262.36
CIRCUIT-DIGITAL	257C	$	26.08
CIRCUIT-DIGITAL -PREMISES	257CP	$	197.58
CIRCUIT-DIGITAL SONET	257CS	$	752.60
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$	1,372.19
CONDUIT SYSTEMS	4C	$	138.29
UNDERGROUND CABLE NONMETALLIC	85C	$	96.32
BURIED CABLE NONMETALLIC	845C	$	152.79
INTRABUILDING CABLE NONMETALLIC	862C	$	2.67

11. Mic Cable Investments from Inputs Tab, Sec T

	FRC		Total Investment
20 m. MIC Cable	257C	$	70.29
5 m. MIC Cable	257C	$	56.42
Total Mic Cable Investment Cost =		$	126.71

12. Development of Overall Vendor 2 Remote Costs by FRC

13. Development of Overall Vendor 2 Remote Costs by FRC for RT Equipment Offering

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Arizona

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January 7, 2003

Vendor 3 Confiuration Calculations

1. Vendor 3 Configuration Cost Assumption from Inputs Tab, Sec. Q

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

To accomplish this we will add the 4.8% of anticipated Vendor 3 DA's to the 87.5% anticipated Vendor 1 DA's in the Combined Configuration Totals in the Combined RMT Configs Tab.

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Arizona

2003

January 7, 2003

Vendor 4 Configuration Calculations

1. Vendor 4 Configuration Cost Assumption from Inputs Tab, Sec. T

It was determined by the Network Engineer, that for a cost estimate for this cost study we would use the Vendor 1 costs, as a cost surrogate.

To accomplish this we will add the 0.5% of anticipated Vendor 4 DA's to the 87.5% anticipated Vendor 1 DA's in the Combined Configuration Totals in the Combined RMT Configs Tab.

Unbundled Packet Switch UNE

Arizona

2003

January 7, 2003

Combined Remoter Terminal Configuration Calculations

1. Total Vendor 1 Costs from Vendor 1 Config Tab, #20

Description	FRC		Overal Vendor 1 Remote Investments
CIRCUIT-OTHER DIGITAL	357C	$	562.84
CIRCUIT-DIGITAL	257C	$	56,518.19
CIRCUIT-DIGITAL -PREMISES	257CP	$	1,240.69
CONDUIT SYSTEMS	4C	$	1,459.07
UNDERGROUND CABLE METALLIC	5C	$	989.78
BURIED CABLE METALLIC	45C	$	6,104.92
Digital Electronic Switching	377C	$	1,570.72
Digital Electronic Switching Expense	377X	$	54.29
CIRCUIT-DIGITAL Expense	257X	$	7,000.00

2. Total Vendor 2 Config Costs from Vendor 2 Config Tab, #12

Description	FRC		Overal Vendor 2 Remote Investments
CIRCUIT-OTHER DIGITAL	357C	$	262.36
CIRCUIT-DIGITAL	257C	$	39,181.71
CIRCUIT-DIGITAL -PREMISES	257CP	$	197.58
CIRCUIT-DIGITAL SONET	257CS	$	752.60
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$	1,372.19
CONDUIT SYSTEMS	4C	$	138.29
BURIED CABLE METALLIC	45C	$	1,844.25
UNDERGROUND CABLE NONMETALLIC	85C	$	96.32
BURIED CABLE NONMETALLIC	845C	$	152.79
INTRABUILDING CABLE NONMETALLIC	862C	$	2.67
Digital Electronic Switching	377C	$	12,695.24
Digital Electronic Switching Expense	377X	$	45.80

3. Remote Terminal Configuration Weighting Assumption from Inputs Tab, Sec. H

	Percentage of Total Deployment
Vendor 1	87.5%
Vendor 2	7.2%
Vendor 3	4.8%
Vendor 4	0.5%
Adjusted Vendor 1 %	92.8%

4. Development of Weighted RT Configuration Cost

	Description	FRC		Remote Investments		Vendor 1 Weighting		Vendor 2 Weighting			Total Weighted Remote Investments
Vendor 1	CIRCUIT-OTHER DIGITAL	357C	$	562.84	x	92.8%	x	N/A	=	$	522.32
	CIRCUIT-DIGITAL	257C	$	56,518.19	x	92.8%	x	N/A	=	$	52,448.88
	CIRCUIT-DIGITAL -PREMISES	257CP	$	1,240.69	x	92.8%	x	N/A	=	$	1,151.36
	CONDUIT SYSTEMS	4C	$	1,459.07	x	92.8%	x	N/A	=	$	1,354.02
	UNDERGROUND CABLE METALLIC	5C	$	989.78	x	92.8%	x	N/A	=	$	918.52
	BURIED CABLE METALLIC	45C	$	6,104.92	x	92.8%	x	N/A	=	$	5,665.37
	Digital Electronic Switching	377C	$	1,570.72	x	92.8%	x	N/A	=	$	1,457.63
	Digital Electronic Switching Expense	377X	$	54.29	x	92.8%	x	N/A	=	$	50.38
	CIRCUIT-DIGITAL Expense	257X	$	7,000.00	x	92.8%	x	N/A	=	$	6,496.00
Vendor 2											
	CIRCUIT-OTHER DIGITAL	357C	$	262.36	x	N/A	x	7.2%	=	$	18.89
	CIRCUIT-DIGITAL	257C	$	39,181.71	x	N/A	x	7.2%	=	$	2,821.08
	CIRCUIT-DIGITAL -PREMISES	257CP	$	197.58	x	N/A	x	7.2%	=	$	14.23
	CIRCUIT-DIGITAL SONET	257CS	$	752.60	x	N/A	x	7.2%	=	$	54.19
	CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$	1,372.19	x	N/A	x	7.2%	=	$	98.80
	CONDUIT SYSTEMS	4C	$	138.29	x	N/A	x	7.2%	=	$	9.96
	BURIED CABLE METALLIC	45C	$	1,844.25	x	N/A	x	7.2%	=	$	132.79
	UNDERGROUND CABLE NONMETALLIC	85C	$	96.32	x	N/A	x	7.2%	=	$	6.94
	BURIED CABLE NONMETALLIC	845C	$	152.79	x	N/A	x	7.2%	=	$	11.00
	INTRABUILDING CABLE NONMETALLIC	862C	$	2.67	x	N/A	x	7.2%	=	$	0.19
	Digital Electronic Switching	377C	$	12,695.24	x	N/A	x	7.2%	=	$	914.06
	Digital Electronic Switching Expense	377X	$	45.80	x	N/A	x	7.2%	=	$	3.30

5. Development of Combined Weighted RT Configuration Cost

Description	FRC		Vendor 1 Weighted RT Costs			Vendor 2 Weighted RT Costs			Total Combined Weighted RT Investments
CIRCUIT-OTHER DIGITAL	357C	$	522.32	+	$	18.89	=	$	541.21
CIRCUIT-DIGITAL	257C	$	52,448.88	+	$	2,821.08	=	$	55,269.96
CIRCUIT-DIGITAL -PREMISES	257CP	$	1,151.36	+	$	14.23	=	$	1,165.58
CIRCUIT-DIGITAL SONET	257CS	$	-	+	$	54.19	=	$	54.19
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$	-	+	$	98.80	=	$	98.80
CONDUIT SYSTEMS	4C	$	1,354.02	+	$	9.96	=	$	1,363.97
UNDERGROUND CABLE METALLIC	5C	$	918.52	+	$	-	=	$	918.52
BURIED CABLE METALLIC	45C	$	5,665.37	+	$	132.79	=	$	5,798.15
UNDERGROUND CABLE NONMETALLIC	85C	$	-	+	$	6.94	=	$	6.94
BURIED CABLE NONMETALLIC	845C	$	-	+	$	11.00	=	$	11.00
INTRABUILDING CABLE NONMETALLIC	862C	$	-	+	$	0.19	=	$	0.19
Digital Electronic Switching	377C	$	1,457.63	+	$	914.06	=	$	2,371.69
Digital Electronic Switching Expense	377X	$	50.38	+	$	3.30	=	$	53.68
CIRCUIT-DIGITAL Expense	257X	$	6,496.00	+	$	-	=	$	6,496.00

6. Common Cabling for Remote Terminals from Inputs Tab, Sec. L

DA Hotel Cabling

Cable placement for new DA Hotel & splicing at FDI only.

	FRC	Quantity	Unit Cost	Amount
C-COPPER-BURIED-24GA_400PR (per sheath	45C	50	$ 2.75	$137.61
Engineering labor per sheath foot (.0112)	45C	50	$ 53.00	$29.68
C-COPPER-BURIED-24GA_50PR (per sheath	45C	50	$ 0.44	$22.19
Engineering labor per sheath foot (.0074)	45C	50	$ 53.00	$19.61
C-STRCTR-CONDUIT-1_DUCT_BUR, Qty = 3	45C	105	$ 1.02	$107.10
C-STRCTR-INRDUCT-BUR-2DUCT, Qty = 1 @	845C	35	$ 1.42	$49.72
C-ACTVTY-CONDUIT-ENC-DIRBUR_1DUC	45C	35	$ 3.04	$106.30
C-ACTVTY-CONDUIT-TRENCH_ADDITION, tim	45C	140	$ 0.49	$68.25
C-ACTVTY-COPPER-PULL_CNDT, times 2	45C	100	$ 1.17	$117.13

Termination Blocks

New Termination Blocks (placed at existing FDI)

C-XCON-SAI-PED-25PR_BLOCKS	45C	8	$ 117.11	$936.88

Engineering

DWP Engineering	45C	8	$ 53.00	$424.00

Splicing Cable at FDI, per Pair

C-ACTVTY-COPPER-SPLICE-BURIED (perpr)	45C	200	$ 0.38	$75.24
8 terminal blocks @ 25 pairs prblock = 200 pairs				

7. Common Cabling Retail/Wholesale Allocation Assumption from Inputs Tab, Sec. V

Retail Dedicated Equipment	100%
Retail/Wholesale Shared Equipment	75%

8. Development of Weighted Common Cabling Costs

DA Hotel Cabling	FRC	Amount		Dedicated Equipment Percentage		Shared Equipment Percentage		Total Weighted Common Cabling Costs
Cable placement for new DA Hotel & splicing at FDI only.								
C-COPPER-BURIED-24GA_400PR (per sheath	45C	$137.61	x	100%	x	NA	=	[redacted]
Engineering labor per sheath foot (.0112)	45C	$29.68	x	100%	x	NA	=	[redacted]
C-COPPER-BURIED-24GA_50PR (per sheath	45C	$22.19	x	100%	x	NA	=	[redacted]
Engineering labor per sheath foot (.0074)	45C	$19.61	x	100%	x	NA	=	[redacted]
C-STRCTR-CONDUIT-1_DUCT_BUR, Qty = 3	45C	$107.10	x	100%	x	NA	=	[redacted]
C-STRCTR-INRDUCT-BUR-2DUCT, Qty = 1 @	845C	$49.72	x	100%	x	NA	=	[redacted]
C-ACTVTY-CONDUIT-ENC-DIRBUR_1DUC	45C	$106.30	x	100%	x	NA	=	[redacted]
C-ACTVTY-CONDUIT-TRENCH_ADDITION, tim	45C	$68.25	x	100%	x	NA	=	[redacted]
C-ACTVTY-COPPER-PULL_CNDT, times 2	45C	$117.13	x	100%	x	NA	=	[redacted]
Termination Blocks								
New Termination Blocks (placed at existing FDI)								
C-XCON-SAI-PED-25PR_BLOCKS	45C	$936.88	x	NA	x	75%	=	[redacted]
Engineering								
DWP Engineering	45C	$424.00	x	NA	x	75%	=	[redacted]
Splicing Cable at FDI, per Pair								
C-ACTVTY-COPPER-SPLICE-BURIED (perpr)	45C	$75.24	x	NA	x	75%	=	[redacted]
8 terminal blocks @ 25 pairs prblock = 200 pairs								

Total Investment by FRC

[redacted]

9. Development of Overall Combined Remote Terminal Investments by FRC

Description	FRC	Combined Weighted RT Investments		Common Cabling		Total Combined Remote Terminal Investments by FRC
CIRCUIT-OTHER DIGITAL	357C	$ 541.21	+	$ -	=	$ 541.21
CIRCUIT-DIGITAL	257C	$ 55,269.96	+	$ -	=	$ 55,269.96
CIRCUIT-DIGITAL -PREMISES	257CP	$ 1,165.58	+	$ -	=	$ 1,165.58
CIRCUIT-DIGITAL SONET	257CS	$ 54.19	+	$ -	=	$ 54.19
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$ 98.80	+	$ -	=	$ 98.80
CONDUIT SYSTEMS	4C	$ 1,363.97	+	$ -	=	$ 1,363.97
UNDERGROUND CABLE METALLIC	5C	$ 918.52	+	$ -	=	$ 918.52
BURIED CABLE METALLIC	45C	$ 5,798.15	+	$ 1,684.96	=	$ 7,483.12
UNDERGROUND CABLE NONMETALLIC	85C	$ 6.94	+	$ -	=	$ 6.94
BURIED CABLE NONMETALLIC	845C	$ 11.00	+	$ 49.72	=	$ 60.72
INTRABUILDING CABLE NONMETALLIC	862C	$ 0.19	+	$ -	=	$ 0.19
Digital Electronic Switching	377C	$ 2,371.69	+	$ -	=	$ 2,371.69
Digital Electronic Switching Expense	377X	$ 53.68	+	$ -	=	$ 53.68
CIRCUIT-DIGITAL Expense	257X	$ 6,496.00	+	$ -	=	$ 6,496.00

10. Net Present Value of Subscriber Demand from Demand Tab, #3

NPV of Subscriber Demand = 109.01

11. Development of Combined Remote Terminal Investment per Subscriber

Description	FRC		Total Combined Remote Terminal Investments by FRC		NPV of Subscriber Demand			Total Combined RT Investments per Subscriber
CIRCUIT-OTHER DIGITAL	357C	$	541.21	/	109.01	=	$	4.96
CIRCUIT-DIGITAL	257C	$	55,269.96	/	109.01	=	$	507.00
CIRCUIT-DIGITAL -PREMISES	257CP	$	1,165.58	/	109.01	=	$	10.69
CIRCUIT-DIGITAL SONET	257CS	$	54.19	/	109.01	=	$	0.50
CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$	98.80	/	109.01	=	$	0.91
CONDUIT SYSTEMS	4C	$	1,363.97	/	109.01	=	$	12.51
UNDERGROUND CABLE METALLIC	5C	$	918.52	/	109.01	=	$	8.43
BURIED CABLE METALLIC	45C	$	7,483.12	/	109.01	=	$	68.64
UNDERGROUND CABLE NONMETALLIC	85C	$	6.94	/	109.01	=	$	0.06
BURIED CABLE NONMETALLIC	845C	$	60.72	/	109.01	=	$	0.56
INTRABUILDING CABLE NONMETALLIC	862C	$	0.19	/	109.01	=	$	0.00
Digital Electronic Switching	377C	$	2,371.69	/	109.01	=	$	21.76
Digital Electronic Switching Expense	377X	$	53.68	/	109.01	=	$	0.49
CIRCUIT-DIGITAL Expense	257X	$	6,496.00	/	109.01	=	$	59.59

Conversion for ICM	
$	0.04
$	4.97

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Configuration for DSLAM Functionality Calculations

1. Total Vendor 1 Costs from Vendor 1 Config Tab, #21

2. Total Vendor 2 Config Costs from Vendor 2 Config Tab, #13

3. Remote Terminal Configuration Weighting Assumption from Inputs Tab, Sec. H

	Percentage of Total Deployment
Vendor 1	87.5%
Vendor 2	7.2%
Vendor 3	4.8%
Vendor 4	0.5%
Adjusted Vendor 1 %	92.8%

4. Development of Weighted RT Configuration Cost

5. Development of Combined Weighted RT Configuration Cost

6. Common Cabling for Remote Terminals from Inputs Tab, Sec. L

DA Hotel Cabling

Cable placement for new DA Hotel & splicing at FDI only.

	FRC	Quantity	Unit Cost	Amount
C-COPPER-BURIED-24GA_400PR (per sheath	45C	50	$ 2.75	$137.61
Engineering labor per sheath foot (.0112)	45C	50	$ 53.00	$29.68
C-COPPER-BURIED-24GA_50PR (per sheath	45C	50	$ 0.44	$22.19
Engineering labor per sheath foot (.0074)	45C	50	$ 53.00	$19.61
C-STRCTR-CONDUIT-1_DUCT_BUR, Qty = 3	45C	105	$ 1.02	$107.10
C-STRCTR-INRDUCT-BUR-2DUCT, Qty = 1 @	845C	35	$ 1.42	$49.72
C-ACTVTY-CONDUIT-ENC-DIRBUR_1DUC	45C	35	$ 3.04	$106.30
C-ACTVTY-CONDUIT-TRENCH_ADDITION, tin	45C	140	$ 0.49	$68.25
C-ACTVTY-COPPER-PULL_CNDT, times 2	45C	100	$ 1.17	$117.13

Termination Blocks

New Termination Blocks (placed at existing FDI)

C-XCON-SAI-PED-25PR_BLOCKS	45C	8	$ 117.11	$936.88

Engineering

DWP Engineering	45C	8	$ 53.00	$424.00

Splicing Cable at FDI, per Pair

C-ACTVTY-COPPER-SPLICE-BURIED (perpr)	45C	200	$ 0.38	$75.24
8 terminal blocks @ 25 pairs prblock = 200 pairs				

7. Common Cabling Retail/Wholesale Allocation Assumption from Inputs Tab, Sec. V

Retail Dedicated Equipment	100%
Retail/Wholesale Shared Equipment	75%

8. Development of Weighted Common Cabling Costs

DA Hotel Cabling

Cable placement for new DA Hotel & splicing at FDI only.

	FRC	Amount		Dedicated Equipment Percentage		Shared Equipment Percentage		Total Weighted Common Cabling Costs
C-COPPER-BURIED-24GA_400PR (per sheath	45C	$137.61	x	100%	x	NA	=	[illegible]
Engineering labor per sheath foot (.0112)	45C	$29.68	x	100%	x	NA	=	[illegible]
C-COPPER-BURIED-24GA_50PR (per sheath	45C	$22.19	x	100%	x	NA	=	[illegible]
Engineering labor per sheath foot (.0074)	45C	$19.61	x	100%	x	NA	=	[illegible]
C-STRCTR-CONDUIT-1_DUCT_BUR, Qty = 3	45C	$107.10	x	100%	x	NA	=	[illegible]
C-STRCTR-INRDUCT-BUR-2DUCT, Qty = 1 @	845C	$49.72	x	100%	x	NA	=	[illegible]
C-ACTVTY-CONDUIT-ENC-DIRBUR_1DUC	45C	$106.30	x	100%	x	NA	=	[illegible]
C-ACTVTY-CONDUIT-TRENCH_ADDITION, tim	45C	$68.25	x	100%	x	NA	=	[illegible]
C-ACTVTY-COPPER-PULL_CNDT, times 2	45C	$117.13	x	100%	x	NA	=	[illegible]

Termination Blocks

New Termination Blocks (placed at existing FDI)

C-XCON-SAI-PED-25PR_BLOCKS	45C	$936.88	x	NA	x	75%	=	$702.66

Engineering

DWP Engineering	45C	$424.00	x	NA	x	75%	=	$318.00

Splicing Cable at FDI, per Pair

C-ACTVTY-COPPER-SPLICE-BURIED (perpr)	45C	$75.24	x	NA	x	75%	=	$56.43
8 terminal blocks @ 25 pairs prblock = 200 pairs								

Total Investment by FRC

[illegible]	49,721
[illegible]	$1,684.96

9. Development of Overall Combined Remote Terminal Investments by FRC

10. Net Present Value of Subscriber Demand from Demand Tab, #3

NPV of Subscriber Demand = 109.01

11. Development of Combined Remote Terminal Investment per Subscriber

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Demand Forcast

1. Demand - Average Subscribers per Remote Terminal from Inputs Tab, Sec. N

Year	Total Number of Subscribers	Total # of Remote Terminals	Average Cumulative Subscribers per Remote Terminal	Average Incremental Subscribers per Remote Terminal
2001	56448	2400	24	24
2002	186105	5765	33	9
2003	343501	5765	60	27
2004	499796	5765	87	27
2005	614922	5765	107	20
2006	712164	5765	124	17
2007	804005	5765	140	16

2. Cost of Money Assumption from Inputs Tab, Sec. C

Cost of Money = 9.6%

3. Calculation of the Net Present Value of Demand

NPV of Subscriber Demand = 109.01

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Port Investment Builder Worksheet

1. Port Investments from Input Tab, Sec. B

	FRC		Investment
OC3 Port	377C	$	10,895.80
OC3 Port expense	377X	$	45.80
DS3 Port	377C	$	7,015.50
DS3 Port expense	377X	$	45.80
DS1 Port	377C	$	4,490.22
DS1 Port expense	377X	$	45.80

2. ASM-B Card Investents from Inputs Tab, Sec R

	FRC		Investment
ASM-B Card	377C	$	4,411.11
ASM-B Card Expense	377X	$	45.80

3. Development of Port Investments using Investment Builder

INVESTMENT BUILDER

State: Arizona

Equipment Item: DA Hotel Port and ASM-B Investments

Account Code: 377C

OC3 Port		*Factor*	*Amount*	*Source / Description*
1.	Material		$ 10,895.80	EF&I Investment provided by Frame Relay Modeler, for a 56 kbps.Port
2.	USWC Installation		$ -	If Vendor installed, show "0" as Amount. If USWC installed, show estimate of USWC dollars.
3.	USWC Engineering		$ -	If Vendor engineered, show "0" as Amount. If USWC engineered, show estimate of USWC dollars.
4.	Other		$ -	If Vendor provided, show "0" as Amount. If USWC, show estimate of USWC dollars.
5.	Total EFI Investment		$ 10,895.80	*Sum of Lines 1 - 4*
6.	Loading for Power	0.0383	$ 417.31	*Ln5 x Factor*
7.	Loading for Sales Tax	0.0000	$ -	*(Ln5+Ln6) x Factor*
8.	Loading for Telco Engineering and Installation *Acct. 377C only*	0.1105	$ 1,250.10	*(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3. Use only with account 377C.*
9.	Loading for Interest During Construction	0.0104	$ 132.03	*((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.*
10.	Loading for Transportation	0.0000	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*Ln1 x Ln11*
12.	Total Loaded Investment		$ 12,695.24	*Sum of Lines 5 - 11*

DS3 Port		Factor	Amount	Source / Description
1.	Material		$ 7,015.50	EF&I Investment provided by Frame Relay Modeler, for a 1.544 Mbps. Port.
2.	USWC Installation		$ -	If Vendor installed, show "0" as Amount. If USWC installed, show estimate of USWC dollars.
3.	USWC Engineering		$ -	If Vendor engineered, show "0" as Amount. If USWC engineered, show estimate of USWC dollars.
4.	Other		$ -	If Vendor provided, show "0" as Amount. If USWC, show estimate of USWC dollars.
5.	Total EFI Investment		$ 7,015.50	*Sum of Lines 1 - 4*
6.	Loading for Power	0.0383	$ 268.69	*Ln5 x Factor*
7.	Loading for Sales Tax	0.0000	$ -	*(Ln5+Ln6) x Factor*
8.	Loading for Telco Engineering and Installation *Acct. 377C only*	0.1105	$ 804.90	*(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3. Use only with account 377C.*
9.	Loading for Interest During Construction	0.0104	$ 85.01	*((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.*
10.	Loading for Transportation	0.0000	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*Ln1 x Ln11*
12.	Total Loaded Investment		$ 8,174.11	*Sum of Lines 5 - 11*

DS1 Port		Factor	Amount	Source / Description
1.	Material		$ 4,490.22	EF&I Investment provided by Frame Relay Modeler, for a 44.736 Mbps. Port.
2.	USWC Installation		$ -	If Vendor installed, show "0" as Amount. If USWC installed, show estimate of USWC dollars.
3.	USWC Engineering		$ -	If Vendor engineered, show "0" as Amount. If USWC engineered, show estimate of USWC dollars.
4.	Other		$ -	If Vendor provided, show "0" as Amount. If USWC, show estimate of USWC dollars.
5.	Total EFI Investment		$ 4,490.22	*Sum of Lines 1 - 4*
6.	Loading for Power	0.0383	$ 171.98	*Ln5 x Factor*
7.	Loading for Sales Tax	0.0000	$ -	*(Ln5+Ln6) x Factor*
8.	Loading for Telco Engineering and Installation *Acct. 377C only*	0.1105	$ 515.17	*(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3. Use only with account 377C.*
9.	Loading for Interest During Construction	0.0104	$ 54.41	*((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.*
10.	Loading for Transportation	0.0000	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*Ln1 x Ln11*
12.	Total Loaded Investment		$ 5,231.78	*Sum of Lines 5 - 11*

ASM-B Card		Factor	Amount	Source / Description
1.	Material		$ 4,411.11	EF&I Investment provided by Frame Relay Modeler, for a 44.736 Mbps. Port.
2.	USWC Installation		$ -	If Vendor installed, show "0" as Amount. If USWC installed, show estimate of USWC dollars.
3.	USWC Engineering		$ -	If Vendor engineered, show "0" as Amount. If USWC engineered, show estimate of USWC dollars.
4.	Other		$ -	If Vendor provided, show "0" as Amount. If USWC, show estimate of USWC dollars.
5.	Total EFI Investment		$ 4,411.11	*Sum of Lines 1 - 4*
6.	Loading for Power	0.0383	$ 168.95	*Ln5 x Factor*
7.	Loading for Sales Tax	0.0000	$ -	*(Ln5+Ln6) x Factor*
8.	Loading for Telco Engineering and Installation *Acct. 377C only*	0.1105	$ 506.10	*(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3. Use only with account 377C.*
9.	Loading for Interest During Construction	0.0104	$ 53.45	*((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.*
10.	Loading for Transportation	0.0000	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*Ln1 x Ln11*
12.	Total Loaded Investment		$ 5,139.60	*Sum of Lines 5 - 11*

4. Total Loaded Port Investments and ASM-B Card Investments

	FRC	Total Loaded Investment	Done to adjust Expense dollars to monthly amount for ICM form
OC3 Port	377C	$ 12,695.24	
OC3 Port expense	377X	$ 45.80	$ 3.82
DS3 Port	377C	$ 8,174.11	
DS3 Port expense	377X	$ 45.80	$ 3.82
DS1 Port	377C	$ 5,231.78	
DS1 Port expense	377X	$ 45.80	$ 3.82
ASM-B Card	377C	$ 5,139.60	
ASM-B Card expense	377X	$ 45.80	$ 3.82

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Cable and Racking ITP Investment Builder

1. Cable and Racking ITP Investments from Input Tab, Sec. D

	FRC	Investment
Cable Racking and Frame	377C	$ 29.41

2. Development of Port Investments using Investment Builder

INVESTMENT BUILDER

State: Arizona

Equipment Item: Cable & Racking Investments

Account Code: 377C

Cable & Racking		Factor	Amount	Source / Description
1.	Material		$ 29.41	EF&I Investment provided by Frame Relay Modeler, for a 56 kbps.Port
2.	USWC Installation		$ -	If Vendor installed, show "0" as Amount. If USWC installed, show estimate of USWC dollars.
3.	USWC Engineering		$ -	If Vendor engineered, show "0" as Amount. If USWC engineered, show estimate of USWC dollars.
4.	Other		$ -	If Vendor provided, show "0" as Amount. If USWC, show estimate of USWC dollars.
5.	Total EFI Investment		$ 29.41	*Sum of Lines 1 - 4*
6.	Loading for Power	0.0383	$ 1.13	*Ln5 x Factor*
7.	Loading for Sales Tax	0.0000	$ -	*(Ln5+Ln6) x Factor*
8.	Loading for Telco Engineering and Installation *Acct. 377C only*	0.1105	$ 3.37	*(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3. Use only with account 377C.*
9.	Loading for Interest During Construction	0.0104	$ 0.36	*((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.*
10.	Loading for Transportation	0.0000	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*Ln1 x Ln11*
12.	Total Loaded Investment		$ 34.27	*Sum of Lines 5 - 11*

3. Total Loaded Cable & Racking Investments

	FRC	Total Loaded Investment
Cable Racking and Frame	377C	$ 34.27

Unbundled Packet Switch UNE

Arizona

2003

January 7, 2003

SUMMARY OF INVESTMENTS AND EXPENSES

Rate Element 1

Unbundled Packet Switch Customer Channel
USOC:

Account	Description	Remote Terminal Configs	Cable & Racking	Total RT DSL Port Investment
		A	B	C
		from: Combined RMT Configs Tab, #11	*from: Cable & Racking Inv. Builder Tab, #3*	*to: WINPC3 Investments Tab*
357C	CIRCUIT-OTHER DIGITAL	$ 4.96	$ -	$ 4.96
257C	CIRCUIT-DIGITAL	$ 507.00	$ -	$ 507.00
257CP	CIRCUIT-DIGITAL -PREMISES	$ 10.69	$ -	$ 10.69
257CS	CIRCUIT-DIGITAL SONET	$ 0.50	$ -	$ 0.50
257CSP	CIRCUIT-DIGITAL SONET-PREMISES	$ 0.91	$ -	$ 0.91
4C	CONDUIT SYSTEMS	$ 12.51	$ -	$ 12.51
5C	UNDERGROUND CABLE METALLIC	$ 8.43	$ -	$ 8.43
45C	BURIED CABLE METALLIC	$ 68.64	$ -	$ 68.64
85C	UNDERGROUND CABLE NONMETALLIC	$ 0.06	$ -	$ 0.06
845C	BURIED CABLE NONMETALLIC	$ 0.56	$ -	$ 0.56
862C	INTRABUILDING CABLE NONMETALLIC	$ 0.00	$ -	$ 0.00
377C	Digital Electronic Switching	$ 21.76	$ 34.27	$ 56.02
377X	Digital Electronic Switching Expense	$ 0.04	$ -	$ 0.04
257X	CIRCUIT-DIGITAL Expense	$ 4.97	$ -	$ 4.97

Rate Element 2

Unbundled Packet Switch Port DS3 Interface
USOC:

Account	Description	Port Investments	Total DS3 UPS Port Interface Investment
		A	B
		from: Port Inv. Builder Tab, #4	*to: WINPC3 Investments Tab*
377C	DIGITAL ELECTRONIC SWITCHING	$ 8,174.11	$ 8,174.11
377X	DIGITAL ELECTRONIC SWITCHING EXPENSE	$ 3.82	$ 3.82

Rate Element 3

Unbundled Packet Switch Port DS1 Interface
USOC:

Account	Description	Port Investments	Total DS1 UPS Port Interface Investment
		A	B
		from: Port Inv. Builder Tab, #4	*to: WINPC3 Investments Tab*
377C	DIGITAL ELECTRONIC SWITCHING	$ 5,231.78	$ 5,231.78
377X	DIGITAL ELECTRONIC SWITCHING EXPENSE	$ 3.82	$ 3.82

Rate Element 4

Unbundled Packet Switch DSLAM Functionality
USOC:

Account	Description	RT Equipment Costs	Total RT Equipment Investment
		A	B
		from: Configs for DSLAM Funct. Tab, #11	*to: WINPC3 Investments Tab*
257C	CIRCUIT-DIGITAL	$ 471.90	$ 471.90
45C	BURIED CABLE METALLIC	$ 67.26	$ 67.26
845C	BURIED CABLE NONMETALLIC	$ 0.46	$ 0.46
257X	CIRCUIT-DIGITAL Expense	$ 4.97	$ 4.97

	A	B	C	D	E	F	G
1	Investment						
2	STUDY	Unbundled Packet Switching UNE					
3	DATE	8/28/01					
4	PRODUCT	TELRIC					
5	GROUP	Unbundled Packet Switch Customer Channel					
6	LOADED	AZ	4.9645917269	0.	0.	357C	CIRCUIT-OTHER DIGITAL
7	LOADED	AZ	507.0011037533	0.	0.	257C	CIRCUIT-DIGITAL
8	LOADED	AZ	10.6921037505	0.	0.	257CP	CIRCUIT-DIGITAL -PREMISES
9	LOADED	AZ	0.4970687628	0.	0.	257CS	CIRCUIT-DIGITAL SONET
10	LOADED	AZ	0.9062885804	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES
11	LOADED	AZ	12.5119798012	0.	0.	4C	CONDUIT SYSTEMS
12	LOADED	AZ	8.4257128346	0.	0.	5C	UNDERGROUND CABLE METALLIC
13	LOADED	AZ	68.6439526516	0.	0.	45C	BURIED CABLE METALLIC
14	LOADED	AZ	0.0636163476	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC
15	LOADED	AZ	0.5570125374	0.	0.	845C	BURIED CABLE NONMETALLIC
16	LOADED	AZ	0.0017634515	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC
17	LOADED	AZ	56.0229561961	0.	0.	377C	Digital Electronic Switching
18	COMMON	AZ	0.041031495	0.	0.		Digital Electronic Switching Expense
19	COMMON	AZ	4.9657463431	0.	0.		CIRCUIT-DIGITAL Expense
20	GROUP	Unbundled Packet Switch Port DS3 Interface					
21	LOADED	AZ	8,174.1077691239	0.	0.	377C	DIGITAL ELECTRONIC SWITCHING
22	COMMON	AZ	3.8166666667	0.	0.		DIGITAL ELECTRONIC SWITCHING EXPENSE
23	GROUP	Unbundled Packet Switch Port DS1 Interface					
24	LOADED	AZ	5,231.7785171514	0.	0.	377C	DIGITAL ELECTRONIC SWITCHING
25	COMMON	AZ	3.8166666667	0.	0.		DIGITAL ELECTRONIC SWITCHING EXPENSE
26	GROUP	Unbundled Packet Switch DSLAM Functionality					
27	LOADED	AZ	471.9012985914	0.	0.	257C	CIRCUIT-DIGITAL
28	LOADED	AZ	67.2616870702	0.	0.	45C	BURIED CABLE METALLIC
29	LOADED	AZ	0.4560995208	0.	0.	845C	BURIED CABLE NONMETALLIC
30	COMMON	AZ	4.9657463431	0.	0.		CIRCUIT-DIGITAL Expense
31	GROUP						

	A	B
1	Parameter	
2	AZ	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	7236	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	ACFIN																													
2	00AZ04E																													
3	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
4	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC			
5	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC			
6	257C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
7	357C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
8	5C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
9	85C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
10	45C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
11	845C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
12	862C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
13	4C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
14	257CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
15	257CP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	
16	257CSP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 00AZ04E, Dated: 03/19/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 12/01 (00AZ04E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 00V2.*												
5	*-CAPITAL RECOVERY factors released 01/01 and based on 9.61% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 01/01.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 01/01.*												
10	*-DIRECTLY ASSIGNED expense factors released 01/01.*												
11	*-BUSINESS FEES released 01/01.*												
12	*-COMMON Expense released 12/01.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 06/01.*												
14	*-POWER Investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 01/01.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 01/01.*												
20	*-SALES EXPENSE factor released 01/01.*												
21	*-PRODUCT MANAGEMENT factor released 01/01.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35															
36															
37															
38	State:	Arizona													
39															
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
41	377C	0.104217	0.041985	0.017351	0.028112	0.000000	0.013621	0.041800	0.003600	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
42	20C	0.000000	0.091673	0.037885	0.047153	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
43	110C	0.029833	0.068316	0.028232	0.047153	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
44	257C	0.108162	0.042094	0.017396	0.014310	0.000000	0.013621	0.040800	0.003500	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
45	357C	0.108162	0.042094	0.017396	0.021897	0.000000	0.013621	0.040800	0.003500	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
46	5C	0.077163	0.054589	0.022559	0.044297	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
47	85C	0.090006	0.056152	0.023205	0.018093	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
48	45C	0.094367	0.055165	0.022797	0.099529	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
49	845C	0.066227	0.053779	0.022225	0.016432	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
50	862C	0.098955	0.058895	0.024339	0.023575	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
51	4C	0.022718	0.058123	0.024020	0.005478	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
52	257CS	0.108162	0.042094	0.017396	0.013913	0.000000	0.013621	0.040800	0.003500	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
53	257CP	0.108162	0.042094	0.017396	0.014310	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375
54	257CSP	0.108162	0.042094	0.017396	0.013913	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289	0.015375

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
34															
35															
36															
37															
38															
39															
40	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
41	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
42	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
43	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
44	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
45	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
46	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
47	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
48	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
49	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
50	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
51	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
52	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
53	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304
54	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781	0.004304

Qwest

QWEST

ARIZONA

CLASS - CALL TRACE

TELRIC

Study ID: 7244

RECURRING COST STUDY

JANUARY 2003

Docket # T00000A-00-0194

MSEA

Market Services And Economic Analysis Organization

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Section 1

Study Output

A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate the long run incremental costs Qwest will incur to provide the Custom Local Area Signaling Services (CLASS) feature Call Trace.

Costs are stated on a service element basis.

B. DESCRIPTION OF SERVICE

Call Trace enables customers to automatically trace the last incoming call. To trace a call, the subscriber goes off-hook, receives dial tone, and dials the Call Trace access code. Once the code is dialed the subscriber proceeds through a one- or two-stage activation procedure.

When the trace has been completed, the subsciber receives a Call Trace success announcement, such as "You have successfully traced your last incoming call. Please contact your phone company for further assistance." (Information about a traced call is made available to the service provider or to an agency the provider designates, not to the subscriber who initiated the trace.)

If the trace was successful, the information is forwarded to the QWEST Call Identification Cente (CIC). Customers are advised via an announcement to call the CIC for further assistance.

C. STUDY METHODOLOGY

The costs that are identified are direct costs that occur as a result of providing Call Trace. These include digital central office switch costs in the subscriber's serving wire center.

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Qwest Switching Cost Model (SCM) for digital stored program controlled central offices. A detailed description of this program is provided in the work papers.

The switch investments include processor time, memory, and hardware appropriate for each feature. The investments are converted to monthly costs using monthly cost factors, e.g. land and building, which are applied through the use of the Windows Personal Cost Calculator (WINPC3) cost program.

The WINPC3 model develops Long Run Incremental Costs (LRIC) from investments and/or expenses associated with Qwest products and services. A detailed description of this program is provided in the workpapers.

The investments are converted to monthly costs using monthly cost factors, which are represented as investment based and expense based. Examples of investment based factors include Capital and Ad Valorem taxes. Capital costs consist of depreciation, income tax, and cost of money. Examples of expense based factors would include administration and business fee taxes.

D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS

Total Element Long Run Incremental Cost (TELRIC) studies are performed by Qwest to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The forward-looking Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the *long run* costs associated with providing a network element--reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

Qwest TELRIC studies identify recurring and nonrecurring costs. Recurring costs are the ongoing costs associated with providing a network element. Recurring costs are generally investment-related and include both capital costs and operating expenses. These costs are often presented as a cost per month or per unit of usage (e.g., minute of use) and are incurred throughout the time period the network element is provided to a customer. *Nonrecurring costs* are the

one-time costs that are incurred at the time a customer establishes, disconnects or changes service. These costs normally result from a customer order, and are predominantly labor-related.

The Qwest recurring and nonrecurring TELRIC studies identify costs on a unitized basis and disaggregates the cost results into the following components:

> Total Direct Costs are the forward-looking costs that are caused by offering the network element in the long run. These costs would not be incurred if the network elements were not offered. Total Direct Costs reflect the per-unit forward looking cost associated with providing the entire network element in the most efficient manner, holding constant the production of all other network elements produced by the firm. For recurring element costs Total Direct Costs include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required to provision a network, along with other network element-specific costs such as product management expense. For nonrecurring costs, Total Direct Costs include the labor-related expenses

D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS (Cont.)

associated with the provision of a network element, along with other network element-specific costs such as product management expense.

Directly Attributed Costs include network administration and engineering costs and various administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

Total Element Long Run Incremental Costs (TELRIC) represent the sum of Total Direct Costs and Directly Attributable Costs. This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

Common Costs are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

Fully Allocated Costs represent the sum of Total Element Long Run Incremental Cost Cost plus Common Costs (TELRIC + CC).

E. STUDY ASSUMPTIONS

1. All costs displayed are represented on a per line basis.

2. All recurring costs are weighted between two switch types.

3. All network investments are forward looking.

Study Name	*CLASS - CALL TRACE*	
Study Requester	*Geoff Murphy*	
Type of Study	*TELRIC*	
Study ID	*7244*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*January 09, 2003*	
Cost Analyst	*Dave Bacheldor*	
Study Review	**Reviewer**	**Date**
	Jim DiManna	*January 09, 2003*
Models Used	**Model**	**Version**
	Wholesale Cost Program	*2.09*
	Cost Factor Databases	*00AZ04E*
	Cost Factors Model (TELRIC)	*00V2*
	SCM	*01/15/01 (Vintage 9.20)*
		-
Cost Factors Used	**Factor**	**Effective Date**
	Capital Recovery	*01/01*
	Maintenance	*01/01*
	Property Taxes	*01/01*
	COE Land & Bldg	*01/01*
	Marketing Factors	*01/01*
	Other Direct Expenses	*01/01*
	Common	*12/01*
	Cost Of Money	*9.61%*
Inflation		
Major Cost Drivers		

Parameter File: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\Arizona\AZ CllTraceTELRIC 7244.xls, Sheet "WINPC3 Parameters"
State(s): AZ
Database Vintage: 00AZ04E
Factors For: Interconnection
Report Type: ICM Format
Decimal Places: 4
Costs Format: Annual
Group Totals: Yes
ACF Input: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\Arizona\AZ CllTraceTELRIC 7244.xls, Sheet "WINPC3 ACF Inputs"
ACF Output: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\Arizona\AZ CllTraceTELRIC 7244.xls, Sheet "WINPC3 ACF Outputs"
Investment: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\Arizona\AZ CllTraceTELRIC 7244.xls, Sheet "WINPC3 Investments"
Output: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\Arizona\AZ CllTraceTELRIC 7244.xls, Sheet "WINPC3 Output"

State: Arizona

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
CLASS - CALL TRACE		$1.5519	$0.6921	$1.8098	$0.1188	$0.4572	$2.2670	$0.0853	$2.3524

Total Product Costs

Row	1/9/03 8:22 AM Arizona	Source or Calculation	Factor Value	CLASS - CALL TRACE
			A	B
1	Investment	sl r"Total" cD		1.5519
2				
3	***Investment Based Costs***	***sl r"Total" cK***		1.0356
4				
5	Direct Expenses			0.6921
6	Miscellaneous Expenses			0.0000
7	Billing & Collection - PL			0.0000
8	***Total IBC + Element Specific Expenses***			1.7277
9				
10	***Marketing & Business Fees & Other***			
11	Product Management Expense	cA*(r8-r6)	0.034281	0.0592
12	Sales Expense	cA*(r8-r6)	0.011333	0.0196
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001848	0.0033
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0821
16				
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		1.8098
18				
19	***Other Direct Expenses***			
20	Network Operations	cA*(r17-r6)	0.050289	0.0910
21	Network Support Assets	cA*(r17-r6)	0.015375	0.0278
22	General Support Assets	cA*(r17-r6)	0.080638	0.1459
23	General Purpose Computers	cA*(r17-r6)	0.036437	0.0659
24	Uncollectible	cA*(r17-r6)	0.001017	0.0018
25	Accounting & Finance Expense	cA*(r17-r6)	0.007523	0.0136
26	Human Resources Expense	cA*(r17-r6)	0.007263	0.0131
27	Information Management Expense	cA*(r17-r6)	0.051570	0.0933
28	Intangibles	cA*(r17-r6)	0.002516	0.0046
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.4572
30				
31	***TELRIC***	***r17 + r29***		2.2670
32				
33	***Common***			
34	Executive Expense	cA*(r31-r6)	0.005786	0.0131
35	Planning Expense	cA*(r31-r6)	0.000498	0.0011
36	External Relations Expense	cA*(r31-r6)	0.008170	0.0185
37	Legal Expense	cA*(r31-r6)	0.005352	0.0121
38	Other Procurement Expense	cA*(r31-r6)	0.002025	0.0046
39	Research & Development Expense	cA*(r31-r6)	0.000031	0.0001
40	Other General and Admin Expense	cA*(r31-r6)	0.015781	0.0358
41	***Common Costs***	***Sum r34:r40***		0.0853
42				
43	***TELRIC + Common Costs***	***r31 + r41***		2.3524

1/9/03
Arizona

CLASS - CALL TRACE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Property Taxes	Maintenance	Feature RTU	Total Capital Costs
CLASS - CALL TRACE										
2212	377C	Digital Switch	0.5101	0.0532	0.0214	0.0088	0.0069	0.0143	0.6480	0.7527
2124	2124	General Purpose Computers	1.0187	0.1997	0.0460	0.0190	0.0139	0.0000	0.0000	0.2785
2111	20C	Land	0.0018	0.0000	0.0002	0.0001	0.0000	0.0001		0.0003
2121	110C	Building	0.0213	0.0006	0.0015	0.0006	0.0003	0.0010		0.0040
		Total	1.5519	0.2535	0.0690	0.0285	0.0211	0.0154	0.6480	1.0356

Section 2

Cost Calculations

Service: **CLASS - CALL TRACE**

State Name:	ARIZONA
State Name Abbreviation:	AZ
Study Year:	2003
Study Completion Date:	JANUARY 2003

SECTION A

Switching Investments
Source: SCM

Call Trace - Switching Investment:		
Call Trace - Setup Investment	*377C*	
Call Trace - Recorded Announcement - Shared	*377C*	
Call Trace - Recorded Announcement - Svc Specific	*377C*	

SECTION B

Risk Management/Disk Drive Investments
Source: Product Management

Risk Management Mainframe - Four (4) Disk Drive Investment	*2124*	$1,120,567

SECTION C

Forecasted Demand
Source: Product Management

Annual Attempts/Activations	1,100,000

CLASS - CALL TRACE

ARIZONA

Switching Cost Model (SCM) Output

1	Investment		C		E	Total (C+E)		
2	STUDY	CLASS	Direct		Network Support			
3	LOADED	USW	9.35251	0	3.34050754	12.6930	377C	CLASS Customer Originated Trace

CLASS - CALL TRACE

ARIZONA

Setup Investment per Attempt

		Source	377C	
1.	Annual Setup Investment/BH Attempt	SCM Features	$12.6930	
2.	% BH of Total Day	Product Mgmt	10%	
3.	Annual Investment/Busy Day Attempt	Ln1 * Ln2	$1.2693	
4.	Equivalent Days/Year	Factors Group	310.5	
5.	**Investment per Attempt**	Ln3 / Ln4	**$0.0041**	*(to Total Switch Invest)*

CLASS - CALL TRACE

ARIZONA

Recorded Announcement (RA) Shared - Custom Calling Services(CCS)/CLASS

	Source	377C	
SW1			
1. Investment per Shared Service RA (NTS)	SCM	$1,278.4563	
2. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	1	
3. Total CCS/CLASS RA Investment per CO	Ln1 x Ln2	$1,278.4563	
4. # of SW1 CO's	SCM	251	
5. Total CCS/CLASS RA Investment SW1	Ln3 x Ln4	$320,892.5310	
6. **Weighted Investment - SW1**	Ln5 x H15	**$180,997.8096**	
SW2			
7. Investment per Shared Service RA (NTS)	SCM	$1,148.0780	
8. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	1	
9. Total CCS/CLASS RA Investment per CO	Ln7 x Ln8	$1,148.0780	
10. # of SW2 CO's	SCM	194	
11. Total CCS/CLASS RA Investment SW2	Ln9 x Ln10	$222,727.1326	
12. **Weighted Investment - SW2**	Ln11 x H16	**$97,099.0196**	
13. **Total Weighted Investment - SW1 & SW2**	Ln6 + Ln12	**$278,096.8292**	
14. Total Lines in Service	SCM	14732034	
15. % Take CCS/CLASS Features	SCM	21.00%	
16. Total Lines w/ CCS/CLASS Features	Ln14 x Ln 15	3093727.1400	
17. BH Originating & Terminating Calls/Line	SCM	1.7401	
18. % of Orig. & Term. Calls That Are Orig.	SCM	50.00%	
19. Total Orig. Attempts/Line in BH	Ln17 x Ln 18	0.8700	
20. % of BH Orig. Attempts/Line Using CCS/CLASS	Prod Mgmt	10.00%	
21. BH CCS/CLASS Attempts/Line	Ln19 x Ln20	0.0870	
22. Total BH CCS/CLASS Attempts	Ln 16 x Ln21	269165.3322	
23. Investment/BH Attempt	Ln13 / Ln22	1.0332	
24. BH % of Average Business Day Traffic	Prod Mgmt	10.00%	
25. Investment/ABD Attempts	Ln23 x Ln24	0.10331822	
26. Equivalent ABD's/Year	Factors Grp	310.5	
27. **CCS/CLASS RA Investment Per Attempt**	Ln25 / Ln26	**0.000332748**	*(to Total Switch Invest)*

CO Types	CO Qty	% of Total
# SW1 CO's	251	56.40%
# SW2 CO's	194	43.60%
Total CO's	445	

CLASS - CALL TRACE

ARIZONA

Recorded Announcement (RA) - Customer Originated Trace (COT)

	Source	377C
SW1		
1. Investment per Shared Service RA (NTS)	SCM	$1,278.4563
2. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	2
3. Total CCS/CLASS RA Investment per CO	Ln1 x Ln2	$2,556.9126
4. # of SW1 CO's	SCM	251
5. Total CCS/CLASS RA Investment SW1	Ln3 x Ln4	$641,785.0620
6. **Weighted Investment - SW1**	Ln5 x H15	**$361,995.6192**
SW2		
7. Investment per Shared Service RA (NTS)	SCM	$1,148.0780
8. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	2
9. Total CCS/CLASS RA Investment per CO	Ln7 x Ln8	$2,296.1560
10. # of SW2 CO's	SCM	194
11. Total CCS/CLASS RA Investment SW2	Ln9 x Ln10	$445,454.2651
12. **Weighted Investment - SW2**	Ln11 x H16	**$194,198.0392**
13. Total Weighted Investment - SW1 & SW2	Ln6 + Ln12	$556,193.6584
14. COT Annual Attempts/Activations	Prod Mgmt	1100000
15. **COT RA Investment per Attempt**	Ln13 / Ln14	**0.505630599** *(to Total Switch Invest)*

CO Types	CO Qty	% of Total
# SW1 CO	251	56.40%
# SW2 CO	194	43.60%
Total CO's	445	

CLASS - CALL TRACE

ARIZONA

Total Switching Investment Per COT Attempt

		Source	377C	
1.	Setup Investment per Attempt	*Setup Investment Tab - Ln5*	$0.0041	
2.	Recorded Announcement (RA) Shared - Custom Calling Services(CCS)/CLASS	*RA-Shared CCS CLASS Tab - Ln27*	$0.0003	
3.	Recorded Announcement (RA) - Customer Originated Trace (COT)	*RA-COT Tab - Ln*	$0.5056	
4.	**Total Switching Investment Per COT Attempt**	*Ln1 + Ln2 + Ln3*	**$0.5101**	*(to WINPC3 Investment)*

CLASS - CALL TRACE

ARIZONA

Risk Management/Disk Drive Investment Per Attempt

	Source	2124	
1. Risk Mgmt Mainframe - Four Disk Drive Investment	Inputs - Sec B	$1,120,567.00	
2. Forecasted Demand: Annual Attempts/Activations	Inputs - Sec C	1,100,000	
3. **Disk Drive Investment Per Attempt**	Ln1 / Ln2	**$ 1.0187**	*(to WINPC3 Investment)*

CLASS - CALL TRACE

ARIZONA

Security Assistant Expense Per Attempt

		Source	Expense	
1.	Hours for Security Asst. to Process/Mail Trace Information per Call	Prod Mgmt	0.1083	
2.	2000 Security Assistant Labor Rate	JFC 0147	37.78	
3.	Security Assistant Expense to Process/Mail Trace Information per Call	Ln1 x Ln2	4.092833333	
4.	Ratio of Calls: Attempts	Prod Mgmt	16.91%	
5.	**Security Assistant Expense per COT Attempt**	Ln3 x Ln4	$ **0.6921**	*(to WINPC3 Investment)*

WINPC3 Investments

	A	B	C	D	E	F
1	Investment					
2	STUDY	CLASS - CALL TRACE				
3	DATE	1/9/03				
4	GROUP	CLASS - CALL TRACE				
5	LOADED	AZ	0.5100512747	0.	0.	377C
6	LOADED	AZ	1.0186972727	0.	0.	2124
7	COMMON	AZ	0.6920981167	0.	0.	

WINPC3 Parameters

	A	B
1	Parameter	
2	AZ	
3	7	
4	4	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	7244	

WINPC3 ACF Inputs

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	ACFIN																													
2	00AZ04E																													
3	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	RTU-FEAT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
4	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	RTU-FEAT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
5	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	RTU-FEAT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
6	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	RTU-FEAT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL

WINPC3 ACF Outputs

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 00AZ04E, Dated: 03/19/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 12/01 (00AZ04E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 00V2.*												
5	*-CAPITAL RECOVERY factors released 01/01 and based on 9.61% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 01/01.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 01/01.*												
10	*-DIRECTLY ASSIGNED expense factors released 01/01.*												
11	*-BUSINESS FEES released 01/01.*												
12	*-COMMON Expense released 12/01.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 06/01.*												
14	*-POWER Investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 01/01.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 01/01.*												
20	*-SALES EXPENSE factor released 01/01.*												
21	*-PRODUCT MANAGEMENT factor released 01/01.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												

WINPC3 ACF Outputs

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
37															
38	State:	Arizona													
39															
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	RTU-FEAT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
41	377C	0.104217	0.041985	0.017351	0.028112	0.000000	0.054000	0.013621	0.041800	0.003600	0.034281	0.011333	0.000000	0.001848	0.050289
42	20C	0.000000	0.091673	0.037885	0.047153	0.000000	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289
43	110C	0.029833	0.068316	0.028232	0.047153	0.000000	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289
44	2124	0.196053	0.045115	0.018644	0.000000	0.000000	0.000000	0.013621	0.000000	0.000000	0.034281	0.011333	0.000000	0.001848	0.050289
45															

WINPC3 ACF Outputs

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
37															
38															
39															
40	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
41	0.015375	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781
42	0.015375	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781
43	0.015375	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781
44	0.015375	0.080638	0.036437	0.001017	0.007523	0.007263	0.002516	0.005786	0.000498	0.008170	0.051570	0.005352	0.002025	0.000031	0.015781
45															

Section 3

Source Data

SCM Inputs

SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT
(Engineered, Furnished and Installed - 377C)

Year of Investments: 1999

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
CLASS		
Customer Originated Trace	Busy Hour Customer Originated Trace Call Attempts per COT line	1.0000
Customer Originated Trace	Average Number of Customer Originated Trace Lines in Office	614.0400

Output developed in the Switching Features Cost Model (SCM) is contained in a project file. For this study, the source project file is called
SCM9.20 Call Trace 02-01.xls
Authorized users will have access to the Switching Features Cost Module as an executable file named **SCMFEAT9.exe**
The project file can be opened within this module so that the investment components of the switch feature can be fully evaluated.

MODEL DESCRIPTIONS

1. QWEST SWITCHING COST MODEL:

The Switching Cost Model (SCM) is a set of menu driven PC engineering cost models developed in the QWEST Service Costs and Economic Analysis organization (SCEA). SCM provides unit investments for various services and features provided by the DMS-10, DMS-100, DMS-200, DMS-100/200, and 5ESS switching equipment. The model has a Features module which provides unit investments for features (e.g., Custom Calling, MVP, Centrex).

SCM Core is the first of three major processes in the SCM Model. SCM Core determines the Average Busy Season, Busy Hour, unit investments by functional category. Other models use the Busy Hour investments as input. The SCM Calls process of the model calculates investments for call setup and conversation CCS. The SCM Features process of the model calculates unit investments for central office features.

The SCM Features process develops investments for features by using the functional category unit investments created in SCM Core along with inputs provided by the SCM Features model user. There is an investment developed for each part of the feature, for example, activation, deactivation, and call attempt. The SCM Features process determines ABSBH investment associated with a feature by partitioning the feature into its components and determining the components not recovered by other rate elements. Cost of the feature must cover those components not recovered by other rate elements. The subscribers busy hour use of the feature drives the investments required. SCM displays most feature costs as an investment per line, consistent with the rate plans for the features. The investments provided also contain investment loadings from WINPC3 of Power, Sales Tax, TELCO, and Interest During Construction.

The Switching Cost Model (SCM) provides QWEST with a flexible and consistent process to provide switching costs suitable to develop price floors. SCM applies long run incremental costing principles for cost development, with consideration given to anticipated long run demand. This approach yields costs that are an appropriate price floor, allowing QWEST to make proper pricing decisions for its services.

2. Retail Cost Program (RCP):

The Retail Cost Program (RCP) develops retail costs from investments and/or expenses associated with QWEST products and services.

The RCP will apply investment loadings and annual cost factors, as applicable, to an investment and/or expense. The program calculates Direct Costs (TSLRIC), Network Support Costs, Attributable Costs, and Fully Allocated Costs resulting from an investment or expense.

Model Definitions

SCM Definitions:

INVESTMENT: An investment is the amount of capital used to purchase equipment and material to provide a service.

ENGINEERED FURNISHED & INSTALLED (EF&I): An Engineered, Furnished and Installed investment includes installation by the Vendor: An EF&I investment includes a dollar amount for the equipment, material, engineering, furnishing (delivery and/or supply) and installation.

TOTAL INSTALLED INVESTMENT (TII): A TII investment includes a dollar amount for equipment, material, engineering, furnishing & installation as well as a dollar amount (if applicable) for Power, Sales Tax, Telco labor and Interest During Construction (IDC).

RCP Definitions:

EXPENSE: An expense is the amount of non-capitalized dollars associated with the provision of a product or service.

INFLATION: Inflation is an increase in the amount of an investment from a base year to the study year. Inflation results from increases in the cost of money, material, or any other items impacting the value of an investment. The model can apply inflation to EF&I or Total Installed investments.

LOADING FACTORS: Loading factors applied to an EF&I investment provide the additional dollar amounts to bring an EF&I investment to the Total Installed Investment level.

POWER: The power factor estimates the investment required for Central Office back up power equipment (used for EF&I Central Office Equipment [COE] accounts only).

SALES TAX: The sales tax factor provides the amount of sales tax paid on vendor provided material and equipment (used for all accounts).

TELCO: The TELCO factor develops the dollar amount of Qwest engineering and labor involved with vendor installation (used for EF&I accounts only).

INTEREST DURING CONSTRUCTION: The interest during construction factor estimates the amount of interest that accrues on construction dollar amounts until completion (used with all accounts).

LAND & BUILDING: The land and building factors applied to a Total Installed Central Office equipment investment recovers the investment in Central Office land and buildings. Annual cost factors are applicable to the land and building investments (used with COE accounts only).

ANNUAL COST FACTORS: Annual cost factors identify the annual costs associated with Total Installed Investments. There are two types of Annual Cost Factors (Investment based and Expense based). Annual cost factors are appropriate for use with all accounts.

INVESTMENT BASED FACTORS: Investment based annual cost factors applied to a Total Installed Investment identify annual costs directly related to the use of an investment.

MAINTENANCE COSTS: Maintenance costs represent the cost of upkeep, trunk and line testing, rearrangements and changes.

CAPITAL COSTS (CAPCOST): Capital costs are annual or monthly costs associated with recovery of a total installed investment.

AD VALOREM TAX: The ad valorem factor estimates the annual "property tax" applicable to an investment.

EXPENSE BASED FACTORS: These factors applied to an expense created by the Investment Based Factors will identify additional expenses resulting from the provision of a service.

SALES EXPENSE: The sales expense factor determines the amount of expense associated with making a sale. It develops the relevant expense pertaining to the cost of a sale up to the "hand shake" as well as a portion of capital costs. We divide this expense by total direct cost.

PRODUCT MANAGEMENT EXPENSE: The product management factor develops the amount of expense associated with managing the products of the business. This expense includes all expense relevant to Product Management, as well as a portion of capital costs. We divide this expense by total direct cost.

ADMINISTRATION: The administration expense factor develops the administration expense associated with COE, Outside Plant (OSP), and coin services.

SALES COMPENSATION EXPENSE: The sales compensation factor develops the amount of sales compensation resulting from successfully completing a business sale. This is a revenue based factor that includes compensation for business sales only. We divide sales compensation by total business revenues.

RIGHT TO USE FEES: The right to use (RTU) fees factor estimates some of the software expense associated with the purchase of digital switches.

BUSINESS FEES: The business fees factor develops a dollar amount associated with state fees and taxes assessed on the aggregate revenue of those states that impose such fees and taxes.

COMMON: Common calculates expenses common to the firm.

To generate the investment results in this workbook, do as follows:

Run SCMFEAT9.exe
In the 'Type Of Data' list box, select the correct data directory
In the 'Keep States Separate' box, select 'Yes'
In the 'Weight Hosts & Remotes Together' box, select 'Yes'
In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight SSW101A1.MDB
In the list box in the upper right part of the screen, highlight QC 01 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW201A1.MDB
In the list box in the upper right part of the screen, highlight QC 01 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW301A1.MDB
In the list box in the upper right part of the screen, highlight QC 01 POTS STD H
Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'CLASS'
In the 'Feature Name' list box, select 'Customer Originated Trace'
In the 'Label Used on Outputs' box, select 'Line'
In the 'Feature Inputs' list box, select 'Busy Hour Customer Originated Trace Call Attempts per COT Line'
In the 'Enter New Input' box, enter '1' and click OK
In the 'Feature Inputs' list box, select 'Average Number of Customer Originated Trace Lines in Office'
In the 'Enter New Input' box, enter '614.04' and click OK
Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears.
Save the file if so desired.

Transport network elements							
Dedicated							
Sw+Sp Transport	$	9,115,815	333,511	trunks	$	2.28	per DS-0 equivalent per month
Switched		3,285,029	120,186	trunks	$	0.00023	per minute
Special		5,830,786	213,325	trunks			
Transmission Terminal		15,974,062	333,511	trunks	$	3.99	per DS-0 equivalent per month
					$	0.00040	per minute
					$	0.00062	total per minute
Common							
Transport	$	1,345,010	3,703,400,627	minutes	$	0.00036	per minute per leg (orig or term)
Transmission Terminal		1,607,319	3,703,400,627	minutes	$	0.00043	per minute
					$	0.00079	total per minute
Direct							
Transport	$	4,708,411	16,120,464,725	minutes	$	0.00029	per minute
Transmission Terminal		7,051,747	16,120,464,725	minutes	$	0.00044	per minute
					$	0.00073	total per minute
Tandem switch	$	1,817,867	3,322,868,975	minutes	$	0.00055	per minute

AZ HAI Default for Shared Transport				
Common	**Costs**	**Weighting**		**Weighted**
Transport	0.00036	1.96%	$	0.0000140
Terminations	0.00043	1.96%	$	0.0000168
Total	0.00079			
Tandem Switching	0.00055	1.96%	$	0.0000107
Direct				
Transport	0.00029	82.91%	$	0.0002422
Terminations	0.00044	82.91%	$	0.0003627
Total	0.00073			
Tandem Switching	0.00055	0.00%	$	-
Switched Access				
Transport	0.00023	15.13%	$	0.0000343
Terminations	0.00040	15.13%	$	0.0000601
Total	0.00062			
Tandem Switching	0.00055	15.13%	$	0.0000828
Weighted MOU Cost			$	0.0008236

Shared Transport Calculation		
Direct	16,120,464,725	82.91%
IXC	2,942,337,323	15.13%
Local Tand	380,531,652	1.96%

HAI End office switching

Line Port	$	86,561,587	2,959,791	switched lines	$	2.44	per line/month
Non-Line Port	$	57,707,724	62,141,633,323	DEMs	$	0.0009286	per Dial Equipment Minute
Non-Line Port Adjustment for Billed MOUs=			1.044		$	0.0009695	per Billed Minute

Arizona Compliance Run 2003

Docket: T-00000A-00-0194
Decision No.: 65451
Phase IIA Opinion and Order
Date: 2002/12/12

Model: *Collocation: Remote Terminal*
Original Study Number: 5635
Compliance Study Number: 7235

Modifications

Worksheet: Inputs

Modified factor vintage to reflect vintage 00AZ04E. {See rows 42 through 105}
Modified "Space Utilization Factor" (row 39) from 33% to 61.25%.

NOTE: On page 21/25 (fax), or 20 (doc), under "O. Miscellaneous", it states, "Staff points out that in the Phase II Order (Decision No. 64922), the Commission determined that Qwest's proposed labor and materials costs were overstated." In Decision No. 64922, the decision was based upon labor and material costs obtained from the *41 jobs*. This does not apply to "Collocation: Remote Terminal" since labor and materials are from network contracts.

Rate Summary

	Study 5635		Study 7235	
	NRC	RC	NRC	RC
Space (per Standard Mounting Unit)	$ 868.13	$ 1.35	$ 459.45	$ 0.71
FDI Terminations (per binder group (25-PR))	$ 558.99	$ 0.82	$ 549.10	$ 0.80

Universal Service Calculation Sheet - monthly costs per line

Arizona
Mountain Bell-Arizona

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	$ 59.16	$ 23.20	$ 14.02	$ 11.44	$ 10.05	$ 9.19	$ 8.59	$ 9.15	$ 7.25	$ 12.28
Port	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48
End office usage	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Signaling	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Transport	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Local retail costs										
Billing/bill inquiries	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45	$ 1.45
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	**$ 65.11**	**$ 29.15**	**$ 19.97**	**$ 17.39**	**$ 16.00**	**$ 15.14**	**$ 14.54**	**$ 15.10**	**$ 13.21**	**$ 18.23**
@ Residence usage per line	**$ 65.01**	**$ 29.05**	**$ 19.87**	**$ 17.29**	**$ 15.90**	**$ 15.04**	**$ 14.44**	**$ 15.00**	**$ 13.10**	**$ 18.75**
@ Business usage per line	**$ 65.35**	**$ 29.39**	**$ 20.20**	**$ 17.62**	**$ 16.24**	**$ 15.37**	**$ 14.77**	**$ 15.33**	**$ 13.44**	**$ 17.04**
Total switched lines	77,791	335,925	119,151	295,082	84,719	693,168	868,492	375,977	109,487	2,959,791
Primary residence lines	62,778	271,670	95,107	225,257	62,577	512,738	579,622	192,279	30,240	2,032,267
Secondary residence lines	959	4,152	1,454	3,443	956	7,836	8,858	2,939	462	31,059
Single line business lines	1,824	7,895	2,764	6,546	1,819	14,901	16,844	5,588	879	59,060
Multiline business lines	11,780	50,290	19,105	57,717	18,691	152,183	254,229	169,401	75,391	808,787
Public lines	449	1,919	721	2,119	676	5,510	8,939	5,770	2,515	28,618
FEDERAL FUND ANALYSIS										
Annual Support for line types: Specify / Bench mark										
Primary residence lines X $31.00	$ 25,620,865	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25,620,865
Secondary residence lines $31.00	$ 391,558	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 391,558
Single line business lines X $51.00	$ 314,099	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 314,099
Multiline business lines $51.00	$ 2,028,186	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,028,186
Public lines $51.00	$ 77,239	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 77,239
Support cost if all lines supported	$ 28,431,946	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 28,431,946
Total annual support for specified lines	**$ 25,934,964**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 25,934,964**
@25% Federal allocation	$ 6,483,741	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,483,741
@Implied 75% State allocation	$ 19,451,223	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,451,223

Total Annual Support for Primary Residence Lines at Pre-Selected Monthly Benchmarks

$20.00	$ 33,907,568	$ 29,499,509	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 63,407,077
$30.00	$ 26,374,202	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 26,374,202
$40.00	$ 18,840,836	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,840,836
$50.00	$ 11,307,470	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 11,307,470
$60.00	$ 3,774,104	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,774,104
$70.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0
$80.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0

STATE FUND ANALYSIS												
Annual Support for line types:	**Specify**	**Bench mark**										
Primary residence lines	X	**$31.00**	$ 25,620,865	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25,620,865
Secondary residence lines		**$31.00**	$ 391,558	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 391,558
Single line business lines	X	**$51.00**	$ 314,099	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 314,099
Multiline business lines		**$51.00**	$ 2,028,186	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,028,186
Public lines		**$51.00**	$ 77,239	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 77,239
Support cost if all lines supported			$ 28,431,946	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 28,431,946
Total annual support for specified lines			**$ 25,934,964**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 25,934,964**
@75% State allocation			$ 19,451,223	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,451,223
@Implied 25% Federal allocation			$ 6,483,741	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,483,741

TOTAL FUND ANALYSIS											
25% Federal allocation from Federal Fund Analy	$ 6,483,741	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,483,741
75% State allocation from State Fund Analysis	$ 19,451,223	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,451,223
Total Federal + State fund	**$ 25,934,964**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 25,934,964**

Module release date: 11/4/97

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	$ 621,203	$ 2,691,795	$ 954,093	$ 2,339,948	$ 667,346	$ 5,465,374	$ 6,694,978	$ 2,751,295	$ 706,614	$ 22,892,645
Unit Cost/month	0.64	0.64	0.64	0.63	0.62	0.62	0.60	0.55	0.46	0.60
Loop Distribution (DLC)										
Annual Cost	$ 36,589,840	$ 62,890,703	$ 11,124,293	$ 18,028,629	$ 4,231,720	$ 27,663,592	$ 30,428,051	$ 13,947,810	$ 2,619,477	$ 207,524,115
Unit Cost/month	41.26	16.59	8.45	6.59	5.27	4.38	3.80	4.70	5.15	7.59
Loop Distribution (non-DLC)										
Annual Cost	$ 1,260,675	$ 3,591,871	$ 1,548,923	$ 5,898,634	$ 1,299,496	$ 10,575,466	$ 12,616,929	$ 9,451,112	$ 3,207,554	$ 49,450,660
Unit Cost/month	14.53	8.72	8.67	5.92	4.74	4.23	3.93	4.59	3.11	4.60
Loop Distribution (all)										
Annual Cost	$ 37,850,515	$ 66,482,575	$ 12,673,216	$ 23,927,263	$ 5,531,216	$ 38,239,059	$ 43,044,980	$ 23,398,921	$ 5,827,031	$ 256,974,775
Unit Cost/month	38.88	15.82	8.48	6.41	5.14	4.34	3.84	4.65	3.79	6.75
Loop Concentration (DLC)										
Annual Cost	$ 7,213,491	$ 18,647,605	$ 5,743,398	$ 11,799,174	$ 3,369,465	$ 26,539,907	$ 33,075,884	$ 12,154,205	$ 2,126,596	$ 120,669,726
Unit Cost/month	8.13	4.92	4.37	4.31	4.20	4.21	4.13	4.10	4.18	4.42
Loop Concentration (non-DLC)										
Annual Cost	$ 31,121	$ 140,379	$ 66,741	$ 335,385	$ 85,420	$ 844,919	$ 1,091,693	$ 634,742	$ 256,336	$ 3,486,736
Unit Cost/month	0.36	0.34	0.37	0.34	0.31	0.34	0.34	0.31	0.25	0.32
Loop Concentration (all)										
Annual Cost	$ 7,244,612	$ 18,787,984	$ 5,810,139	$ 12,134,559	$ 3,454,885	$ 27,384,827	$ 34,167,577	$ 12,788,947	$ 2,382,932	$ 124,156,462
Unit Cost/month	7.44	4.47	3.89	3.25	3.21	3.11	3.04	2.54	1.55	3.26
Loop Feeder (DLC)										
Annual Cost	$ 10,782,962	$ 7,058,507	$ 822,645	$ 1,502,955	$ 494,854	$ 4,241,790	$ 5,517,079	$ 2,687,275	$ 686,925	$ 33,794,992
Unit Cost/month	12.16	1.86	0.63	0.55	0.62	0.67	0.69	0.91	1.35	1.24
Loop Feeder (non-DLC)										
Annual Cost	$ 178,200	$ 918,185	$ 351,132	$ 2,081,896	$ 504,510	$ 4,307,499	$ 5,403,832	$ 3,632,757	$ 1,379,815	$ 18,757,823
Unit Cost/month	2.05	2.23	1.97	2.09	1.84	1.72	1.68	1.76	1.34	1.74
Loop Feeder (all)										
Annual Cost	$ 10,961,162	$ 7,976,691	$ 1,173,776	$ 3,584,851	$ 999,364	$ 8,549,288	$ 10,920,911	$ 6,320,031	$ 2,066,740	$ 52,552,815
Unit Cost/month	11.26	1.90	0.79	0.96	0.93	0.97	0.97	1.26	1.34	1.38
Total Loop (DLC)										
Annual Cost	$ 55,152,131	$ 91,024,708	$ 18,530,404	$ 33,045,947	$ 8,593,571	$ 62,359,095	$ 73,800,185	$ 30,413,371	$ 5,666,453	$ 378,585,865
Unit Cost/month	62.19	24.01	14.08	12.08	10.70	9.88	9.21	10.25	11.15	13.85
Total Loop (non-DLC)										
Annual Cost	$ 1,525,362	$ 4,914,337	$ 2,080,820	$ 8,940,674	$ 2,059,240	$ 17,279,453	$ 21,028,260	$ 14,845,823	$ 5,316,863	$ 77,990,832
Unit Cost/month	17.58	11.93	11.65	8.98	7.51	6.91	6.55	7.21	5.16	7.25
Total Loop (all)										
Annual Cost	$ 56,677,492	$ 95,939,045	$ 20,611,224	$ 41,986,621	$ 10,652,811	$ 79,638,548	$ 94,828,446	$ 45,259,194	$ 10,983,316	$ 456,576,697
Unit Cost/month	58.21	22.83	13.79	11.25	9.89	9.04	8.45	9.00	7.14	11.99
Total lines	81,135	350,227	124,526	310,878	89,760	734,239	935,125	418,990	128,235	3,173,116
Total lines served by DLC	73,904	315,891	109,644	227,875	66,920	525,795	667,533	247,329	42,367	2,277,258

	Annual Cost	Units		Unit Cost		
End office switching	$ 144,269,311					
Line Port	86,561,587	2,959,791	switched lines	$ 2.44	per line/month	
Non-Line Port	57,707,724	62,141,633,323	actual minutes	$ 0.00093	per actual minute	(for rate per DEM, see "Cost detail" sheet)
Signaling network elements	$ 2,865,199					
Links	192,604	507	links	$ 31.66	per link per month	
STP	2,234,461	41,094,682,805	TCAP+ISUP msgs	$ 0.00005	per signaling message	
SCP	438,134	2,118,313,400	TCAP queries	$ 0.00021	per query	
Transport network elements						
Dedicated						
Sw+Sp Transport	$ 9,115,815	333,511	trunks	$ 2.28	per DS-0 equivalent per month	
Switched	3,285,029	120,186	trunks	$ 0.00023	per minute	
Special	5,830,786	213,325	trunks			
Transmission Terminal	15,974,062	333,511	trunks	$ 3.99	per DS-0 equivalent per month	
				$ 0.00040	per minute	
				$ 0.00062	total per minute	
Common						
Transport	$ 1,345,010	3,703,400,627	minutes	$ 0.00036	per minute per leg (orig or term)	
Transmission Terminal	1,607,319	3,703,400,627	minutes	$ 0.00043	per minute	
				$ 0.00079	total per minute	
Direct						
Transport	$ 4,708,411	16,120,464,725	minutes	$ 0.00029	per minute	
Transmission Terminal	7,051,747	16,120,464,725	minutes	$ 0.00044	per minute	
				$ 0.00073	total per minute	
Tandem switch	$ 1,817,867	3,322,868,975	minutes	$ 0.00055	per minute	
Operator systems	$ 6,044,254					
Public Telephones	$ 4,825,844					
Total (w/ Public)	$ 656,201,536					
Total cost of switched network elements (w/o Public)	$ 17.02	per line/month				

Transport network elements							
Dedicated							
Sw+Sp Transport	$	9,115,815	333,511	trunks	$	2.28	per DS-0 equivalent per month
Switched		3,285,029	120,186	trunks	$	0.00023	per minute
Special		5,830,786	213,325	trunks			
Transmission Terminal		15,974,062	333,511	trunks	$	3.99	per DS-0 equivalent per month
					$	0.00040	per minute
					$	0.00062	total per minute
Common							
Transport	$	1,345,010	3,703,400,627	minutes	$	0.00036	per minute per leg (orig or term)
Transmission Terminal		1,607,319	3,703,400,627	minutes	$	0.00043	per minute
					$	0.00079	total per minute
Direct							
Transport	$	4,708,411	16,120,464,725	minutes	$	0.00029	per minute
Transmission Terminal		7,051,747	16,120,464,725	minutes	$	0.00044	per minute
					$	0.00073	total per minute
Tandem switch	$	1,817,867	3,322,868,975	minutes	$	0.00055	per minute

AZ HAI Default for Shared Transport

Common	Costs	Weighting	Weighted
Transport	0.00036	1.96%	$ 0.0000140
Terminations	0.00043	1.96%	$ 0.0000168
Total	0.00079		
Tandem Switching	0.00055	1.96%	$ 0.0000107
Direct			
Transport	0.00029	82.91%	$ 0.0002422
Terminations	0.00044	82.91%	$ 0.0003627
Total	0.00073		
Tandem Switching	0.00055	0.00%	$ -
Switched Access			
Transport	0.00023	15.13%	$ 0.0000343
Terminations	0.00040	15.13%	$ 0.0000601
Total	0.00062		
Tandem Switching	0.00055	15.13%	$ 0.0000828
Weighted MOU Cost			$ 0.0008236

Shared Transport Calculation

Direct	16,120,464,725	82.91%
IXC	2,942,337,323	15.13%
Local Tand	380,531,652	1.96%

	Interconnected at end office	Interconnected at tandem	wtd average
Local interconnection			
EO switching	$ 0.00093	$ 0.00093	
ISUP	$ 0.00005	$ 0.00005	
Common Transport	$ -	$ 0.00079	
Tandem Switching	$ -	$ 0.00055	
TOTAL	$ 0.00098	$ 0.00231	n/a
IXC switched access			
EO switching	$ 0.00093	$ 0.00093	
ISUP	$ 0.00005	$ 0.00005	
Dedicated Transport	$ 0.00062	$ 0.00062	
Common Transport	$ -	$ 0.00079	
Tandem Switching	$ -	$ 0.00055	
TOTAL	$ 0.00160	$ 0.00294	$ 0.00187

Signaling detail

cost per 800 call attempt (TCAP)		$ 0.0005
ISUP cost/transaction		$ 0.00036
ISUP cost/completion		0.0005
IXC switched access MOU/comp		10.22
	ISUP cost/min	$ 0.000050
	D link per month	$ 22.15

Switching detail

The HAI Model engineers switch capacity based on the number of times calls have to pass through a switch fabric. For intraswitch calls, this is once. Because some rate structures for unbundled switching may impose two switch charges -- even when the call only passes through the switch once, the appropriate way to calculate the level of such switch charges is to divide the total usage cost of switching by DEMs (rather than actual switched minutes), because two DEMs are counted even when a call originates and terminates on the same switch.

Switch non-line port annual cost	57,707,724
Total DEMs	75,735,999,000
Cost per DEM	$ 0.00076

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	$ 2.28
Terminal per month *	$ 49.49
TOTAL	$ 51.77
OS-1 per month	
Transport per month	$ 54.67
Terminal per month	$ 95.79
TOTAL	$ 150.46
DS-3 per month	
Transport per month	$ 1,530.64
Terminal per month	$ 270.93
TOTAL	$ 1,801.57

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	$ 3.23
per trunk port minute	$ 0.000321
total EO usage per minute	$ 0.000929
trk port/min	$ 0.000321
other	$ 0.000607

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	45.1%	46.1%	47.2%	48.0%	46.8%	47.8%	47.7%	48.6%	51.1%	47.6%
calculated distribution fill (non-DLC)	44.2%	46.5%	48.2%	47.7%	50.7%	47.8%	48.8%	50.0%	51.6%	48.9%
weighted average										47.9%

Per DS0 Transport Calculations

Entrance Facility Investment per Line	$ 1
Total Dedicated Terminal Investment	60,073,649
Total Lines	3,173,116
Total Dedicated Terminal Investment per line	$ 19
Entrance Facility percent to total	$ 0
Terminal Investment per DS-0	$ 172
Transport Investment per DS-0	$ 117

Network-Related Expenses

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Capital Cost	$ 341,548	$ 1,475,847	$ 521,431	$ 1,274,579	$ 362,519	$ 2,967,314	$ 3,615,402	$ 1,469,478	$ 364,701	$ 12,392,819
Network Expenses	$ 77,342	$ 334,006	$ 118,429	$ 292,963	$ 84,043	$ 687,658	$ 859,553	$ 370,206	$ 106,972	$ 2,931,173
Direct expense	$ 418,890	$ 1,809,854	$ 639,861	$ 1,567,541	$ 446,562	$ 3,654,972	$ 4,474,955	$ 1,839,684	$ 471,673	$ 15,323,992
Investment	$ 1,971,640	$ 8,519,559	$ 3,010,044	$ 7,357,704	$ 2,092,698	$ 17,129,286	$ 20,870,470	$ 8,482,789	$ 2,195,294	$ 71,539,484
Support, Overhead and direct per line	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Support & Overhead per direct exp.	$ 200,562	$ 866,547	$ 306,362	$ 750,529	$ 213,811	$ 1,749,979	$ 2,142,582	$ 880,830	$ 225,834	$ 7,337,036
Total	$ 619,453	$ 2,676,401	$ 946,222	$ 2,318,071	$ 660,373	$ 5,404,951	$ 6,617,537	$ 2,720,513	$ 697,507	$ 22,661,028
with carrier-to-carrier	$ 620,654	$ 2,689,417	$ 953,250	$ 2,337,881	$ 666,756	$ 5,460,546	$ 6,689,064	$ 2,748,865	$ 705,989	$ 22,872,423
Distribution (DLC)										
Annual Capital Cost	$ 19,327,730	$ 32,591,787	$ 5,740,249	$ 9,249,937	$ 2,184,503	$ 14,408,177	$ 16,087,861	$ 7,734,979	$ 1,472,142	$ 108,797,366
Network Expenses	$ 5,345,574	$ 9,693,371	$ 1,720,239	$ 2,827,518	$ 647,199	$ 4,091,869	$ 4,250,392	$ 1,591,378	$ 276,390	$ 30,443,929
Direct expense	$ 24,673,304	$ 42,285,158	$ 7,460,487	$ 12,077,456	$ 2,831,702	$ 18,500,046	$ 20,338,254	$ 9,326,357	$ 1,748,532	$ 139,241,295
Investment	$ 112,229,032	$ 189,142,153	$ 33,446,896	$ 54,262,226	$ 13,007,339	$ 90,084,511	$ 106,565,175	$ 56,733,761	$ 11,254,358	$ 666,825,453
Support, Overhead and direct per line	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Support & Overhead per direct exp.	$ 11,813,431	$ 20,245,882	$ 3,572,037	$ 5,782,614	$ 1,355,802	$ 8,857,712	$ 9,737,835	$ 4,465,404	$ 837,187	$ 66,667,903
Total	$ 36,486,735	$ 62,531,040	$ 11,032,524	$ 17,860,070	$ 4,187,504	$ 27,357,758	$ 30,076,088	$ 13,791,761	$ 2,585,718	$ 205,909,198
with carrier-to-carrier	$ 36,557,519	$ 62,835,149	$ 11,114,467	$ 18,012,704	$ 4,227,982	$ 27,639,156	$ 30,401,172	$ 13,935,489	$ 2,617,163	$ 207,340,800
Distribution (non-DLC)										
Annual Capital Cost	$ 651,416	$ 1,823,152	$ 799,761	$ 3,920,977	$ 669,183	$ 5,503,348	$ 6,681,915	$ 5,237,749	$ 1,765,862	$ 26,152,462
Network Expenses	$ 198,684	$ 591,876	$ 239,021	$ 930,543	$ 200,389	$ 1,569,002	$ 1,752,200	$ 1,081,841	$ 375,219	$ 6,938,777
Direct expense	$ 850,100	$ 2,415,029	$ 1,038,782	$ 3,951,520	$ 869,572	$ 7,072,350	$ 8,433,215	$ 6,319,590	$ 2,141,080	$ 33,091,239
Investment	$ 3,743,092	$ 10,531,947	$ 4,648,290	$ 17,736,313	$ 3,990,565	$ 34,276,991	$ 44,343,497	$ 38,526,801	$ 13,233,634	$ 171,031,130
Support, Overhead and direct per line	0	0	0	0	0	0	0	0	0	$ -
Support & Overhead per direct exp.	$ 407,023	$ 1,156,301	$ 497,363	$ 1,891,964	$ 416,346	$ 3,386,199	$ 4,037,773	$ 3,025,782	$ 1,025,136	$ 15,843,888
Total	$ 1,257,122	$ 3,571,330	$ 1,536,145	$ 5,843,485	$ 1,285,918	$ 10,458,549	$ 12,470,988	$ 9,345,372	$ 3,166,217	$ 48,935,127
with carrier-to-carrier	$ 1,259,561	$ 3,588,699	$ 1,547,555	$ 5,893,424	$ 1,298,348	$ 10,566,125	$ 12,605,784	$ 9,442,763	$ 3,204,721	$ 49,406,979
Distribution (all)										
Annual Capital Cost	$ 19,979,145	$ 34,414,940	$ 6,540,010	$ 12,270,915	$ 2,853,686	$ 19,911,525	$ 22,768,876	$ 12,972,728	$ 3,238,004	$ 134,949,828
Network Expenses	$ 5,544,258	$ 10,285,247	$ 1,959,260	$ 3,758,061	$ 847,588	$ 5,660,872	$ 6,002,593	$ 2,673,218	$ 651,608	$ 37,382,706
Direct expense	$ 25,523,403	$ 44,700,187	$ 8,499,270	$ 16,028,976	$ 3,701,274	$ 25,572,396	$ 28,771,469	$ 15,645,947	$ 3,889,612	$ 172,332,534
Investment	$ 115,972,125	$ 199,674,100	$ 38,095,186	$ 71,998,539	$ 16,997,905	$ 124,361,503	$ 150,908,671	$ 95,260,562	$ 24,587,993	$ 837,856,583
Support, Overhead and direct per line	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Support & Overhead per direct exp.	$ 12,220,454	$ 21,402,183	$ 4,069,400	$ 7,674,578	$ 1,772,148	$ 12,243,911	$ 13,775,608	$ 7,491,186	$ 1,862,323	$ 82,511,791
Total	$ 37,743,857	$ 66,102,370	$ 12,568,670	$ 23,703,554	$ 5,473,422	$ 37,816,307	$ 42,547,077	$ 23,137,133	$ 5,751,935	$ 254,844,325
with carrier-to-carrier	$ 37,817,080	$ 66,423,848	$ 12,662,021	$ 23,906,127	$ 5,526,330	$ 38,205,281	$ 43,006,956	$ 23,378,252	$ 5,821,884	$ 256,747,779
Concentrator (DLC)										
Annual Capital Cost	$ 4,290,269	$ 11,039,511	$ 3,389,841	$ 6,956,900	$ 1,983,926	$ 15,621,283	$ 19,465,012	$ 7,159,583	$ 1,250,943	$ 71,157,269
Network Expenses	$ 573,941	$ 1,498,382	$ 461,959	$ 947,417	$ 270,789	$ 2,127,298	$ 2,643,066	$ 967,460	$ 168,585	$ 9,658,896
Direct expense	$ 4,864,210	$ 12,537,894	$ 3,851,800	$ 7,904,317	$ 2,254,715	$ 17,748,581	$ 22,108,078	$ 8,127,043	$ 1,419,528	$ 80,816,165
Investment	$ 26,976,352	$ 69,323,498	$ 21,278,944	$ 43,673,091	$ 12,451,855	$ 98,065,462	$ 122,227,482	$ 44,977,303	$ 7,860,470	$ 446,834,458
Support, Overhead and direct per line	0	0	0	0	0	0	0	0	0	$ -
Support & Overhead per direct exp.	$ 2,328,955	$ 6,003,069	$ 1,844,219	$ 3,784,540	$ 1,079,544	$ 8,497,915	$ 10,585,216	$ 3,891,180	$ 679,662	$ 38,694,298
Total	$ 7,193,165	$ 18,540,962	$ 5,696,019	$ 11,688,857	$ 3,334,259	$ 26,246,496	$ 32,693,294	$ 12,018,223	$ 2,099,190	$ 119,510,464
with carrier-to-carrier	$ 7,207,119	$ 18,631,133	$ 5,738,325	$ 11,788,751	$ 3,366,489	$ 26,516,464	$ 33,046,667	$ 12,143,468	$ 2,124,717	$ 120,563,134
Concentrator (non-DLC)										
Annual Capital Cost	$ 16,707	$ 75,142	$ 35,634	$ 178,869	$ 45,506	$ 449,841	$ 580,924	$ 337,896	$ 136,222	$ 1,856,742
Network Expenses	$ 4,278	$ 19,243	$ 9,126	$ 45,807	$ 11,654	$ 115,199	$ 148,768	$ 86,532	$ 34,885	$ 475,492
Direct expense	$ 20,985	$ 94,385	$ 44,760	$ 224,676	$ 57,160	$ 565,040	$ 729,693	$ 424,427	$ 171,107	$ 2,332,233
Investment	$ 96,443	$ 433,768	$ 205,704	$ 1,032,552	$ 262,691	$ 2,596,777	$ 3,353,477	$ 1,950,557	$ 786,363	$ 10,718,332
Support, Overhead and direct per line	0	0	0	0	0	0	0	0	0	$ -
Support & Overhead per direct exp.	$ 10,048	$ 45,191	$ 21,431	$ 107,574	$ 27,368	$ 270,538	$ 349,373	$ 203,213	$ 81,925	$ 1,116,659
Total	$ 31,033	$ 139,576	$ 66,190	$ 332,250	$ 84,527	$ 835,578	$ 1,079,066	$ 627,641	$ 253,032	$ 3,448,893
with carrier-to-carrier	$ 31,093	$ 140,255	$ 66,682	$ 335,089	$ 85,345	$ 844,173	$ 1,090,729	$ 634,182	$ 256,109	$ 3,483,656
Concentrator (all)										
Annual Capital Cost	$ 4,306,976	$ 11,114,653	$ 3,425,475	$ 7,135,770	$ 2,029,432	$ 16,071,124	$ 20,045,937	$ 7,497,479	$ 1,387,165	$ 73,014,010
Network Expenses	$ 578,220	$ 1,517,625	$ 471,085	$ 993,223	$ 282,442	$ 2,242,498	$ 2,791,834	$ 1,053,991	$ 203,470	$ 10,134,388
Direct expense	$ 4,885,195	$ 12,632,278	$ 3,896,559	$ 8,128,993	$ 2,311,875	$ 18,313,621	$ 22,837,771	$ 8,551,470	$ 1,590,635	$ 83,148,398
Investment	$ 27,072,795	$ 69,757,266	$ 21,484,648	$ 44,705,643	$ 12,714,546	$ 100,662,239	$ 125,580,959	$ 46,927,860	$ 8,646,833	$ 457,552,790
Support, Overhead and direct per line	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Support & Overhead per direct exp.	$ 2,339,002	$ 6,048,260	$ 1,865,649	$ 3,892,114	$ 1,106,912	$ 8,768,453	$ 10,934,589	$ 4,094,393	$ 761,587	$ 39,810,958
Total	$ 7,224,198	$ 18,680,538	$ 5,762,209	$ 12,021,107	$ 3,418,786	$ 27,082,074	$ 33,772,359	$ 12,645,863	$ 2,352,222	$ 122,959,356
with carrier-to-carrier	$ 7,238,213	$ 18,771,388	$ 5,805,007	$ 12,123,840	$ 3,451,834	$ 27,360,637	$ 34,137,396	$ 12,777,650	$ 2,380,827	$ 124,046,790
Feeder (DLC)										
Annual Capital Cost	$ 6,907,870	$ 4,507,554	$ 521,961	$ 953,392	$ 313,341	$ 2,684,207	$ 3,487,987	$ 1,701,556	$ 434,423	$ 21,512,291
Network Expenses	$ 363,310	$ 238,300	$ 29,744	$ 53,444	$ 17,796	$ 152,493	$ 199,655	$ 95,320	$ 24,108	$ 1,174,169
Direct expense	$ 7,271,180	$ 4,745,854	$ 551,705	$ 1,006,836	$ 331,137	$ 2,836,700	$ 3,687,642	$ 1,796,876	$ 458,531	$ 22,686,460
Investment	$ 48,938,709	$ 32,227,216	$ 3,826,316	$ 7,263,579	$ 2,490,399	$ 22,020,481	$ 29,406,815	$ 14,885,659	$ 3,856,131	$ 164,915,305
Support, Overhead and direct per line	0	0	0	0	0	0	0	0	0	$ -
Support & Overhead per direct exp.	$ 3,481,398	$ 2,272,286	$ 264,153	$ 482,067	$ 158,547	$ 1,358,195	$ 1,765,621	$ 860,333	$ 219,542	$ 10,862,142
Total	$ 10,752,577	$ 7,018,140	$ 815,858	$ 1,488,903	$ 489,684	$ 4,194,895	$ 5,453,263	$ 2,657,209	$ 678,073	$ 33,548,602
with carrier-to-carrier	$ 10,773,437	$ 7,052,272	$ 821,918	$ 1,501,627	$ 494,417	$ 4,238,043	$ 5,512,206	$ 2,684,901	$ 686,319	$ 33,765,140
Feeder (non-DLC)										
Annual Capital Cost	$ 94,940	$ 487,594	$ 186,553	$ 1,121,167	$ 277,054	$ 2,421,442	$ 3,087,143	$ 2,113,314	$ 800,879	$ 10,590,086
Network Expenses	$ 25,224	$ 129,756	$ 48,932	$ 273,504	$ 60,544	$ 459,200	$ 524,804	$ 315,769	$ 120,164	$ 1,957,897
Direct expense	$ 120,164	$ 617,350	$ 235,486	$ 1,394,671	$ 337,598	$ 2,880,643	$ 3,611,947	$ 2,429,083	$ 921,043	$ 12,547,984

Network-Related Expenses

	0-5 lines/sq mi	6-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Investment	$ 548,742	$ 2,815,013	$ 1,088,754	$ 6,726,479	$ 1,726,451	$ 15,821,151	$ 20,762,964	$ 14,987,279	$ 5,668,041	$ 70,144,874
Support, Overhead and direct per line	0	0	0	0	0	0	0	0	0	$ -
Support & Overhead per direct exp.	$ 57,534	$ 295,584	$ 112,749	$ 687,760	$ 161,640	$ 1,379,235	$ 1,729,379	$ 1,163,030	$ 440,990	$ 6,007,900
Total	$ 177,698	$ 912,934	$ 348,235	$ 2,062,431	$ 499,238	$ 4,259,877	$ 5,341,325	$ 3,592,113	$ 1,362,032	$ 18,555,884
with carrier-to-carrier	$ 178,042	$ 917,374	$ 350,821	$ 2,080,057	$ 504,064	$ 4,303,694	$ 5,399,058	$ 3,629,548	$ 1,378,596	$ 18,741,254
Feeder (all)										
Annual Capital Cost	$ 7,002,810	$ 4,995,148	$ 708,515	$ 2,074,559	$ 590,396	$ 5,105,649	$ 6,575,130	$ 3,814,870	$ 1,235,302	$ 32,102,377
Network Expenses	$ 388,534	$ 368,056	$ 78,676	$ 326,948	$ 78,340	$ 611,693	$ 724,459	$ 411,089	$ 144,272	$ 3,132,067
Direct expense	$ 7,391,344	$ 5,363,204	$ 787,191	$ 2,401,507	$ 668,735	$ 5,717,342	$ 7,299,589	$ 4,225,959	$ 1,379,573	$ 35,234,444
Investment	$ 49,487,451	$ 35,042,229	$ 4,915,070	$ 13,990,058	$ 4,216,850	$ 37,841,632	$ 50,169,778	$ 29,872,938	$ 9,524,172	$ 235,060,179
Support, Overhead and direct per line	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Support & Overhead per direct exp.	$ 3,538,931	$ 2,567,870	$ 376,902	$ 1,149,827	$ 320,187	$ 2,737,429	$ 3,495,000	$ 2,023,364	$ 660,531	$ 16,870,042
Total	$ 10,930,275	$ 7,931,074	$ 1,164,993	$ 3,551,334	$ 988,922	$ 8,454,772	$ 10,794,589	$ 6,249,323	$ 2,040,105	$ 52,104,486
with carrier-to-carrier	$ 10,951,480	$ 7,969,645	$ 1,172,739	$ 3,581,684	$ 998,481	$ 8,541,736	$ 10,911,264	$ 6,314,449	$ 2,064,914	$ 52,506,393
End Office Switching										
Annual Capital Cost	$ 3,102,336	$ 8,635,340	$ 2,791,457	$ 6,887,461	$ 1,900,396	$ 15,464,314	$ 19,333,421	$ 8,429,598	$ 2,493,992	$ 69,038,317
Network Expenses	$ 1,201,871	$ 3,344,737	$ 1,093,274	$ 2,711,402	$ 754,075	$ 6,201,033	$ 7,852,596	$ 3,462,130	$ 1,050,393	$ 27,671,510
Direct expense, w/ per-line amt	$ 4,304,207	$ 11,980,078	$ 3,884,731	$ 9,598,863	$ 2,654,470	$ 21,665,348	$ 27,186,017	$ 11,891,728	$ 3,544,385	$ 96,709,827
Investment	$ 20,474,307	$ 57,050,709	$ 18,520,246	$ 45,824,565	$ 12,692,840	$ 103,603,718	$ 130,177,589	$ 56,990,691	$ 16,984,738	$ 462,319,402
Support expenses	$ 1,453,824	$ 4,046,488	$ 1,312,138	$ 3,242,190	$ 896,595	$ 7,317,864	$ 9,182,570	$ 4,016,647	$ 1,197,180	$ 32,665,497
Subtotal, with misc spt	$ 5,758,031	$ 16,026,566	$ 5,196,870	$ 12,841,053	$ 3,551,066	$ 28,983,211	$ 36,368,587	$ 15,908,374	$ 4,741,565	$ 129,375,324
Total, with var overhead	$ 6,356,866	$ 17,693,329	$ 5,737,344	$ 14,176,523	$ 3,920,377	$ 31,997,465	$ 40,150,920	$ 17,562,845	$ 5,234,688	$ 142,830,357
with carrier-to-carrier	$ 6,369,214	$ 17,779,488	$ 5,780,012	$ 14,297,833	$ 3,958,321	$ 32,327,010	$ 40,585,458	$ 17,746,108	$ 5,298,428	$ 144,141,872
Signaling										
Annual Capital Cost	$ 97,568	$ 169,294	$ 53,850	$ 135,937	$ 37,175	$ 304,504	$ 379,164	$ 163,641	$ 47,582	$ 1,388,716
Network Expenses	$ 41,064	$ 65,461	$ 20,501	$ 51,933	$ 14,098	$ 115,543	$ 143,742	$ 62,007	$ 18,027	$ 532,376
Direct expense, w/ per-line amt	$ 138,632	$ 234,756	$ 74,350	$ 187,870	$ 51,274	$ 420,047	$ 522,905	$ 225,649	$ 65,610	$ 1,921,092
Investment	$ 621,566	$ 1,095,487	$ 349,463	$ 881,682	$ 241,447	$ 1,977,616	$ 2,462,927	$ 1,063,056	$ 309,120	$ 9,002,343
Support expenses	$ 46,825	$ 79,293	$ 25,113	$ 63,456	$ 17,319	$ 141,879	$ 176,621	$ 76,217	$ 22,161	$ 648,884
Subtotal, with misc spt	$ 185,457	$ 314,049	$ 99,464	$ 251,326	$ 68,592	$ 561,926	$ 699,526	$ 301,866	$ 87,771	$ 2,569,976
Total, with var overhead	$ 204,745	$ 346,710	$ 109,808	$ 277,464	$ 75,726	$ 620,366	$ 772,277	$ 333,260	$ 96,899	$ 2,837,254
with carrier-to-carrier	$ 205,142	$ 348,398	$ 110,624	$ 279,839	$ 76,459	$ 626,755	$ 780,635	$ 336,737	$ 98,079	$ 2,862,668
Dedicated Transport										
Annual Capital Cost	$ 1,968,330	$ 1,306,337	$ 236,897	$ 719,357	$ 81,580	$ 587,920	$ 586,382	$ 270,046	$ 73,635	$ 5,830,485
Network Expenses	$ 102,917	$ 67,392	$ 12,115	$ 37,280	$ 4,146	$ 29,664	$ 29,111	$ 13,327	$ 3,692	$ 299,554
Direct expense, w/ per-line amt	$ 2,071,247	$ 1,373,729	$ 249,012	$ 756,638	$ 85,726	$ 617,584	$ 615,493	$ 283,373	$ 77,237	$ 6,130,039
Investment	$ 13,054,523	$ 8,698,131	$ 1,584,484	$ 4,800,623	$ 547,861	$ 3,961,331	$ 3,975,533	$ 1,834,476	$ 501,798	$ 38,958,760
Support expenses	$ 699,601	$ 464,002	$ 84,108	$ 255,568	$ 28,956	$ 208,600	$ 207,894	$ 95,714	$ 26,088	$ 2,070,532
Subtotal, with misc spt	$ 2,770,848	$ 1,837,731	$ 333,120	$ 1,012,206	$ 114,682	$ 826,185	$ 823,387	$ 379,088	$ 103,325	$ 8,200,571
Total, with var overhead	$ 3,059,017	$ 2,028,855	$ 367,764	$ 1,117,475	$ 126,609	$ 912,108	$ 908,020	$ 418,513	$ 114,070	$ 9,053,430
with carrier-to-carrier	$ 3,064,959	$ 2,038,734	$ 370,499	$ 1,127,038	$ 127,834	$ 921,502	$ 918,857	$ 422,880	$ 115,459	$ 9,107,763
Dedicated Transport Transmission										
Annual Capital Cost	$ 494,454	$ 1,160,097	$ 368,582	$ 899,202	$ 243,988	$ 1,993,277	$ 2,673,998	$ 1,262,601	$ 410,692	$ 9,506,890
Network Expenses	$ 62,489	$ 146,612	$ 46,581	$ 113,640	$ 30,835	$ 251,909	$ 337,938	$ 159,566	$ 51,903	$ 1,201,473
Direct expense, w/ per-line amt	$ 556,942	$ 1,306,709	$ 415,163	$ 1,012,842	$ 274,823	$ 2,245,185	$ 3,011,936	$ 1,422,167	$ 462,595	$ 10,708,363
Investment	$ 3,124,433	$ 7,330,604	$ 2,329,056	$ 5,682,018	$ 1,541,749	$ 12,595,434	$ 16,896,885	$ 7,978,324	$ 2,595,147	$ 60,073,649
Support expenses	$ 188,117	$ 441,365	$ 140,229	$ 342,108	$ 92,826	$ 758,352	$ 1,017,336	$ 480,363	$ 156,250	$ 3,616,944
Subtotal, with misc spt	$ 745,060	$ 1,748,073	$ 555,392	$ 1,354,948	$ 367,649	$ 3,003,537	$ 4,029,272	$ 1,902,530	$ 618,845	$ 14,325,306
Total, with var overhead	$ 822,546	$ 1,929,873	$ 613,153	$ 1,495,862	$ 405,885	$ 3,315,905	$ 4,448,316	$ 2,100,393	$ 683,205	$ 15,815,138
with carrier-to-carrier	$ 824,144	$ 1,939,271	$ 617,713	$ 1,508,662	$ 409,813	$ 3,350,056	$ 4,496,458	$ 2,122,310	$ 691,524	$ 15,959,951
Direct Transport										
Annual Capital Cost	$ 1,081,861	$ 772,673	$ 119,511	$ 366,845	$ 38,118	$ 286,109	$ 232,793	$ 92,907	$ 21,410	$ 3,012,227
Network Expenses	$ 56,540	$ 39,893	$ 6,115	$ 19,002	$ 1,936	$ 14,457	$ 11,594	$ 4,594	$ 1,047	$ 155,178
Direct expense, w/ per-line amt	$ 1,138,401	$ 812,565	$ 125,627	$ 385,847	$ 40,054	$ 300,566	$ 244,387	$ 97,502	$ 22,457	$ 3,167,406
Investment	$ 7,174,327	$ 5,142,331	$ 799,086	$ 2,447,486	$ 256,142	$ 1,926,866	$ 1,576,540	$ 630,659	$ 145,891	$ 20,099,327
Support expenses	$ 384,515	$ 274,459	$ 42,433	$ 130,327	$ 13,529	$ 101,522	$ 82,546	$ 32,933	$ 7,585	$ 1,069,849
Subtotal, with misc spt	$ 1,522,916	$ 1,087,024	$ 168,059	$ 516,173	$ 53,583	$ 402,088	$ 326,933	$ 130,435	$ 30,042	$ 4,237,254
Total, with var overhead	$ 1,681,299	$ 1,200,075	$ 185,537	$ 569,855	$ 59,156	$ 443,905	$ 360,934	$ 144,006	$ 33,167	$ 4,677,929
with carrier-to-carrier	$ 1,684,565	$ 1,205,918	$ 186,917	$ 574,732	$ 59,729	$ 448,477	$ 364,841	$ 145,503	$ 33,570	$ 4,704,252
Direct Transport Transmission										
Annual Capital Cost	$ 282,473	$ 640,308	$ 183,519	$ 456,208	$ 116,849	$ 915,771	$ 1,044,118	$ 437,145	$ 122,007	$ 4,198,398
Network Expenses	$ 35,699	$ 80,922	$ 23,193	$ 57,655	$ 14,767	$ 115,734	$ 131,955	$ 55,246	$ 15,419	$ 530,590
Direct expense, w/ per-line amt	$ 318,172	$ 721,230	$ 206,712	$ 513,863	$ 131,616	$ 1,031,506	$ 1,176,073	$ 492,391	$ 137,427	$ 4,728,988
Investment	$ 1,784,937	$ 4,046,081	$ 1,159,647	$ 2,882,758	$ 738,365	$ 5,786,722	$ 6,597,739	$ 2,762,300	$ 770,960	$ 26,529,508
Support expenses	$ 107,468	$ 243,608	$ 69,821	$ 173,566	$ 44,456	$ 348,410	$ 397,240	$ 166,314	$ 46,418	$ 1,597,302
Subtotal, with misc spt	$ 425,640	$ 964,838	$ 276,532	$ 687,429	$ 176,072	$ 1,379,916	$ 1,573,313	$ 658,705	$ 183,845	$ 6,326,290
Total, with var overhead	$ 469,907	$ 1,065,181	$ 305,292	$ 758,922	$ 194,384	$ 1,523,427	$ 1,736,937	$ 727,210	$ 202,965	$ 6,984,224
with carrier-to-carrier	$ 470,820	$ 1,070,368	$ 307,562	$ 765,416	$ 196,265	$ 1,539,117	$ 1,755,735	$ 734,798	$ 205,436	$ 7,045,518
Common Transport										
Annual Capital Cost	$ 376,941	$ 210,898	$ 28,647	$ 93,496	$ 8,452	$ 66,031	$ 51,954	$ 19,841	$ 4,535	$ 860,795
Network Expenses	$ 19,728	$ 10,903	$ 1,467	$ 4,853	$ 429	$ 3,343	$ 2,592	$ 981	$ 222	$ 44,519
Direct expense, w/ per-line amt	$ 396,668	$ 221,801	$ 30,114	$ 98,349	$ 8,881	$ 69,374	$ 54,547	$ 20,822	$ 4,757	$ 905,314
Investment	$ 2,498,967	$ 1,402,459	$ 191,418	$ 623,174	$ 56,782	$ 444,394	$ 351,619	$ 134,665	$ 30,906	$ 5,734,384
Support expenses	$ 133,982	$ 74,917	$ 10,172	$ 33,219	$ 3,000	$ 23,432	$ 18,424	$ 7,033	$ 1,607	$ 305,786
Subtotal, with misc spt	$ 530,650	$ 296,718	$ 40,285	$ 131,569	$ 11,881	$ 92,806	$ 72,971	$ 27,856	$ 6,364	$ 1,211,101
Total, with var overhead	$ 585,838	$ 327,577	$ 44,475	$ 145,252	$ 13,117	$ 102,458	$ 80,560	$ 30,753	$ 7,026	$ 1,337,055
with carrier-to-carrier	$ 586,976	$ 329,172	$ 44,806	$ 146,495	$ 13,244	$ 103,513	$ 81,432	$ 31,073	$ 7,111	$ 1,343,822

Network-Related Expenses	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Common Transport Transmission										
Annual Capital Cost	$ 90,578	$ 157,660	$ 41,273	$ 102,993	$ 25,232	$ 197,881	$ 222,972	$ 92,824	$ 25,825	$ 957,237
Network Expenses	$ 11,447	$ 19,925	$ 5,216	$ 13,016	$ 3,189	$ 25,008	$ 28,179	$ 11,731	$ 3,264	$ 120,975
Direct expense, w/ per-line amt	$ 102,025	$ 177,585	$ 46,489	$ 116,009	$ 28,421	$ 222,889	$ 251,152	$ 104,555	$ 29,089	$ 1,078,212
Investment	$ 572,356	$ 996,245	$ 260,800	$ 650,807	$ 159,439	$ 1,250,403	$ 1,408,954	$ 586,550	$ 163,189	$ 6,048,743
Support expenses	$ 34,461	$ 59,982	$ 15,702	$ 39,184	$ 9,600	$ 75,285	$ 84,831	$ 35,315	$ 9,825	$ 364,186
Subtotal, with misc spt	$ 136,485	$ 237,567	$ 62,191	$ 155,193	$ 38,020	$ 298,174	$ 335,983	$ 139,870	$ 38,914	$ 1,442,398
Total, with var overhead	$ 150,680	$ 262,274	$ 68,659	$ 171,333	$ 41,974	$ 329,184	$ 370,925	$ 154,417	$ 42,961	$ 1,592,407
with carrier-to-carrier	$ 150,973	$ 263,551	$ 69,169	$ 172,799	$ 42,381	$ 332,574	$ 374,939	$ 156,028	$ 43,485	$ 1,605,899
Tandem Switching										
Annual Capital Cost	$ 25,985	$ 97,760	$ 33,705	$ 83,192	$ 23,580	$ 192,376	$ 240,915	$ 104,505	$ 30,527	$ 832,544
Network Expenses	$ 11,600	$ 44,956	$ 15,601	$ 38,537	$ 10,958	$ 89,443	$ 112,023	$ 48,571	$ 14,178	$ 385,864
Direct expense, w/ per-line amt	$ 37,585	$ 142,716	$ 49,306	$ 121,728	$ 34,535	$ 281,819	$ 352,938	$ 153,075	$ 44,705	$ 1,218,408
Investment	$ 178,381	$ 678,246	$ 234,393	$ 578,696	$ 164,204	$ 1,339,992	$ 1,678,158	$ 727,830	$ 212,553	$ 5,792,453
Support expenses	$ 12,695	$ 48,205	$ 16,654	$ 41,116	$ 11,665	$ 95,189	$ 119,211	$ 51,704	$ 15,100	$ 411,539
Subtotal, with misc spt	$ 50,280	$ 190,921	$ 65,960	$ 162,844	$ 46,200	$ 377,008	$ 472,149	$ 204,779	$ 59,805	$ 1,629,947
Total, with var overhead	$ 55,510	$ 210,777	$ 72,820	$ 179,780	$ 51,005	$ 416,217	$ 521,253	$ 226,076	$ 66,025	$ 1,799,462
with carrier-to-carrier	$ 55,617	$ 211,803	$ 73,361	$ 181,318	$ 51,489	$ 420,504	$ 526,894	$ 228,435	$ 66,829	$ 1,816,261
Operator Systems										
Annual Capital Cost	$ 311,838	$ 401,245	$ 109,453	$ 283,820	$ 69,244	$ 564,399	$ 683,797	$ 293,221	$ 84,509	$ 2,801,526
Network Expenses	$ 139,145	$ 178,759	$ 48,745	$ 126,428	$ 30,835	$ 251,329	$ 304,443	$ 130,534	$ 37,615	$ 1,247,832
Direct expense, w/ per-line amt	$ 450,983	$ 580,005	$ 158,198	$ 410,248	$ 100,078	$ 815,728	$ 988,240	$ 423,755	$ 122,124	$ 4,049,358
Investment	$ 1,869,274	$ 2,115,071	$ 543,090	$ 1,425,251	$ 332,089	$ 2,703,525	$ 3,240,176	$ 1,385,060	$ 397,806	$ 14,011,433
Support expenses	$ 153,103	$ 196,904	$ 53,706	$ 139,274	$ 33,975	$ 276,929	$ 335,495	$ 143,859	$ 41,460	$ 1,374,706
Subtotal, with misc spt	$ 604,085	$ 776,909	$ 211,904	$ 549,522	$ 134,053	$ 1,092,657	$ 1,323,736	$ 567,615	$ 163,583	$ 5,424,064
Total, with var overhead	$ 666,910	$ 857,708	$ 233,942	$ 606,672	$ 147,995	$ 1,206,294	$ 1,461,494	$ 626,646	$ 180,596	$ 5,988,167
with carrier-to-carrier	$ 668,204	$ 861,879	$ 235,679	$ 611,857	$ 149,425	$ 1,218,701	$ 1,477,200	$ 633,177	$ 182,792	$ 6,038,915
Public Telephone										
Annual Capital Cost	$ 61,715	$ 242,321	$ 97,914	$ 242,797	$ 73,762	$ 650,058	$ 1,084,699	$ 569,321	$ 209,055	$ 3,231,643
Network Expenses	$ 0	$ 2	$ 1	$ 2	$ 0	$ 4	$ 7	$ 4	$ 1	$ 22
Direct expense, w/ per-line amt	$ 61,715	$ 242,323	$ 97,915	$ 242,799	$ 73,763	$ 650,062	$ 1,084,706	$ 569,325	$ 209,057	$ 3,231,665
Investment	$ 415,353	$ 1,630,874	$ 658,985	$ 1,634,080	$ 496,437	$ 4,375,033	$ 7,300,265	$ 3,831,659	$ 1,406,990	$ 21,749,677
Support expenses	$ 20,951	$ 82,265	$ 33,241	$ 82,427	$ 25,042	$ 220,688	$ 368,244	$ 193,279	$ 70,972	$ 1,097,109
Subtotal, with misc spt	$ 82,667	$ 324,588	$ 131,156	$ 325,226	$ 98,804	$ 870,750	$ 1,452,950	$ 762,604	$ 280,029	$ 4,328,774
Total, with var overhead	$ 91,264	$ 358,345	$ 144,796	$ 359,050	$ 109,080	$ 961,308	$ 1,604,057	$ 841,915	$ 309,152	$ 4,778,967
with carrier-to-carrier	$ 91,441	$ 360,088	$ 145,872	$ 362,118	$ 110,135	$ 971,196	$ 1,621,395	$ 850,688	$ 312,912	$ 4,825,844
Totals										
Annual Capital Cost	$ 39,524,557	$ 65,794,521	$ 15,269,238	$ 33,027,129	$ 8,454,408	$ 65,278,254	$ 79,539,558	$ 37,490,205	$ 9,748,943	$ 354,117,814
Network Expenses	$ 8,270,853	$ 16,504,497	$ 3,900,259	$ 8,544,944	$ 2,157,680	$ 16,300,187	$ 19,332,619	$ 8,457,197	$ 2,301,992	$ 85,770,227
Total	$ 47,795,410	$ 82,299,018	$ 19,169,497	$ 41,572,073	$ 10,612,088	$ 81,578,441	$ 98,872,177	$ 45,947,402	$ 12,050,935	$ 439,888,041
Investment	$ 246,272,434	$ 403,179,371	$ 94,135,616	$ 205,483,185	$ 53,249,345	$ 419,959,693	$ 523,196,263	$ 258,469,419	$ 68,383,389	$ 2,272,328,715
Supporting Network Expenses										
Capital Cost - Genl Support	$ 1,258,529	$ 2,060,372	$ 481,062	$ 1,050,083	$ 272,121	$ 2,146,125	$ 2,673,696	$ 1,320,859	$ 349,460	$ 11,612,307
Network Operations	$ 2,305,403	$ 9,851,486	$ 3,538,328	$ 8,833,407	$ 2,550,487	$ 20,862,915	$ 26,570,969	$ 11,905,345	$ 3,643,711	$ 90,162,050
Network Support	$ 94,973	$ 163,534	$ 38,073	$ 82,607	$ 21,887	$ 162,102	$ 196,466	$ 91,301	$ 23,946	$ 874,089
Other Taxes	$ 2,806,635	$ 5,141,967	$ 1,261,490	$ 2,798,221	$ 730,072	$ 5,681,281	$ 6,957,122	$ 3,213,910	$ 870,526	$ 29,461,224
Misc Expenses	$ 1,871,749	$ 3,222,969	$ 750,357	$ 1,628,033	$ 415,587	$ 3,194,750	$ 3,872,002	$ 1,799,378	$ 471,935	$ 17,226,760
Subtotal	$ 8,337,289	$ 20,540,328	$ 6,069,312	$ 14,392,350	$ 3,989,254	$ 32,047,172	$ 40,270,254	$ 18,330,792	$ 5,359,578	$ 149,338,429
Carrier-carrier customer svc	$ 137,118	$ 591,884	$ 210,449	$ 525,384	$ 151,695	$ 1,240,863	$ 1,580,361	$ 708,994	$ 216,717	$ 5,362,566
Interoffice/Switching Net Ops	$ (5,564)	$ (24,017)	$ (8,540)	$ (21,319)	$ (6,155)	$ (50,351)	$ (64,127)	$ (28,733)	$ (8,794)	$ (217,600)
Interoffice/Sw Exp	$ 9,063,880	$ 16,971,168	$ 5,081,503	$ 12,792,009	$ 3,309,801	$ 26,854,318	$ 33,415,447	$ 14,691,262	$ 4,388,261	$ 126,567,650
Total Network Costs	$ 56,127,135	$ 102,815,328	$ 25,221,270	$ 55,943,105	$ 14,595,286	$ 113,575,261	$ 139,078,305	$ 64,249,461	$ 17,401,720	$ 589,006,870
Other costs										
Other Taxes	$ 2,806,635	$ 5,141,967	$ 1,261,490	$ 2,798,221	$ 730,072	$ 5,681,281	$ 6,957,122	$ 3,213,910	$ 870,526	$ 29,461,224
Monthly Cost Factors										
Loop	0.02468	0.02596	0.02586	0.02576	0.02505	0.02409	0.02311	0.02123	0.02073	0.02433
Port	0.00941	0.01458	0.01593	0.01595	0.01653	0.01657	0.01652	0.01634	0.01597	0.01586
Switching	0.00472	0.00731	0.00798	0.00799	0.00828	0.00830	0.00828	0.00819	0.00800	0.00794
Signaling	0.00598	0.01461	0.01625	0.01595	0.01672	0.01670	0.01680	0.01685	0.01688	0.01567
Transport	0.00097	0.00420	0.00642	0.00590	0.00864	0.00897	0.00945	0.00907	0.00875	0.00641
Billing/Bill Inquiries (per line)	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Inverse Carrier to Carrier Expense Factors	99.8061%	99.5154%	99.2618%	99.1516%	99.0414%	98.9806%	98.9293%	98.9673%	98.7970%	99.4404%

Use this sheet to vary the proportion of expenses assigned to loop-related network elements on the basis of lines and on the basis of direct expenses, respectively. Change only the % assigned "per line" -- the "per direct cost" will be calculated.

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	$ 57,599	0%	100%	$ -	$ 57,599
Furniture - Expenses	$ 850,653	0%	100%	$ -	$ 850,653
Office Equipment - Capital Costs	$ 460,344	0%	100%	$ -	$ 460,344
Office Equipment - Expenses	$ 1,012,376	0%	100%	$ -	$ 1,012,376
General Purpose Computer - Capital Costs	$ 3,828,196	0%	100%	$ -	$ 3,828,196
General Purpose Computer - Expenses	$ 6,991,761	0%	100%	$ -	$ 6,991,761
Motor Vehicles - Capital Costs	$ 2,084,044	0%	100%	$ -	$ 2,084,044
Motor Vehicles - Expenses	$ 608,122	0%	100%	$ -	$ 608,122
Buildings - Capital Costs	$ 1,648,744	0%	100%	$ -	$ 1,648,744
Buildings - Expenses	$ 3,130,230	0%	100%	$ -	$ 3,130,230
Garage Work Eqpt. - Capital Costs	$ 0	0%	100%	$ -	$ 0
Garage Work Eqpt. - Expenses	$ -	0%	100%	$ -	$ -
Other Work Eqpt. - Capital Costs	$ 0	0%	100%	$ -	$ 0
Other Work Eqpt. - Expenses	$ -	0%	100%	$ -	$ -
Total General Support	$ 20,672,068			$ -	$ 20,672,068
Network Operations	$ 62,727,636	0%	100%	$ -	$ 62,727,636
Other Taxes	$ 20,496,793	0%	100%	$ -	$ 20,496,793
Variable Overhead	$ 42,633,330	0%	100%	$ -	$ 42,633,330
Totals	$ 103,896,497			$ -	$ 146,529,827

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Costs										
Loop-related direct costs	$ 38,218,833	$ 64,505,523	$ 13,822,881	$ 28,127,017	$ 7,128,446	$ 53,258,332	$ 63,383,783	$ 30,263,060	$ 7,331,493	$ 306,039,368
Non-Loop-related direct costs	$ 9,576,577	$ 17,793,495	$ 5,337,616	$ 13,445,056	$ 3,483,642	$ 28,320,108	$ 35,488,394	$ 15,684,342	$ 4,719,442	$ 133,848,673
Total	$ 47,795,410	$ 82,299,018	$ 19,160,497	$ 41,572,073	$ 10,612,088	$ 81,578,441	$ 98,872,177	$ 45,947,402	$ 12,050,935	$ 439,888,041
Loop Fraction	79.96%	78.38%	72.14%	67.66%	67.17%	65.28%	64.11%	65.86%	60.84%	69.57%
Network Operations	$ 2,305,403	$ 9,951,486	$ 3,538,328	$ 8,833,407	$ 2,550,487	$ 20,862,915	$ 26,570,969	$ 11,905,345	$ 3,643,711	$ 90,162,050

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	$ 82,791	$ 57,599	$ 25,191
Furniture - Expenses	$ 1,222,692	$ 850,653	$ 372,039
Office Equipment - Capital Costs	$ 661,679	$ 460,344	$ 201,335
Office Equipment - Expenses	$ 1,455,147	$ 1,012,376	$ 442,771

$ 11,612,307

General Purpose Computer - Capital Costs	$ 5,502,486	$ 3,828,196	$ 1,674,291		$ 18,100,848
General Purpose Computer - Expenses	$ 10,049,661	$ 6,991,761	$ 3,057,900		
Motor Vehicles - Capital Costs	$ 2,995,517	$ 2,084,044	$ 911,473		
Motor Vehicles - Expenses	$ 874,089	$ 608,122	$ 265,967		
Buildings - Capital Costs	$ 2,369,834	$ 1,648,744	$ 721,091		
Buildings - Expenses	$ 4,499,260	$ 3,130,230	$ 1,369,030		
Garage Work Eqpt. - Capital Costs	$ 0	$ 0	$ 0		
Garage Work Eqpt. - Expenses	$ -	$ -	$ -		
Other Work Eqpt. - Capital Costs	$ 0	$ 0	$ 0		
Other Work Eqpt. - Expenses	$ -	$ -	$ -		
Total General Support	$ 29,713,156	$ 20,672,068	$ 9,041,088		
Network Operations	$ 90,162,050	$ 62,727,636	$ 27,434,414		
Other Taxes Calculation					
Total Direct Costs	$ 439,888,041	$ 306,039,368	$ 133,848,673	$ 439,888,041	
Total Network Operations	$ 90,162,050	$ 62,727,636	$ 27,434,414	$ 90,162,050	
Total General Support	$ 29,713,156	$ 20,672,068	$ 9,041,088	$ 47,562,072	
Total	$ 559,763,247	$ 389,439,072	$ 170,324,175		
Other Taxes	$ 29,461,224	$ 20,496,793	$ 8,964,430	$ 77,023,295	
Total Expenses and Other Taxes	$ 589,224,470	$ 409,935,865	$ 179,288,605		
Variable Overhead Calculation					
Variable Overhead	$ 61,279,345	$ 42,633,330	$ 18,646,015		
Total Cost with Variable Overhead	650,503,815	452,569,195	197,934,620		

UNE Expense Asssignment		**Totals**
NID		
	per line cost	$ -
	per direct cost	$ 7,337,036
	total	$ 7,337,036
Distribution (DLC)		
	per line cost	$ -
	per direct cost	$ 66,667,903
	total	$ 66,667,903
Distribution (non-DLC)		
	per line cost	$ -
	per direct cost	$ 15,843,888
	total	$ 15,843,888
Concentrator (DLC)		
	per line cost	$ -
	per direct cost	$ 38,694,298
	total	$ 38,694,298
Concentrator (non-DLC)		
	per line cost	$ -
	per direct cost	$ 1,116,659
	total	$ 1,116,659
Feeder (DLC)		

per line cost	$	-
per direct cost	$	10,862,142
total	$	10,862,142
Feeder (non-DLC)		
per line cost	$	-
per direct cost	$	6,007,900
total	$	6,007,900
End Office Switching	$	143,013,916
Signaling	$	2,840,900
Dedicated Transport	$	9,065,065
Dedicated Transport Transmission	$	15,835,463
Direct Transport	$	4,683,941
Direct Transport Transmission	$	6,993,200
Common Transport	$	1,338,773
Common Transport Transmission	$	1,594,454
Tandem Switching	$	1,801,775
Operator Systems	$	5,988,167
Public Telephone	$	4,778,967

COST SUMMARY

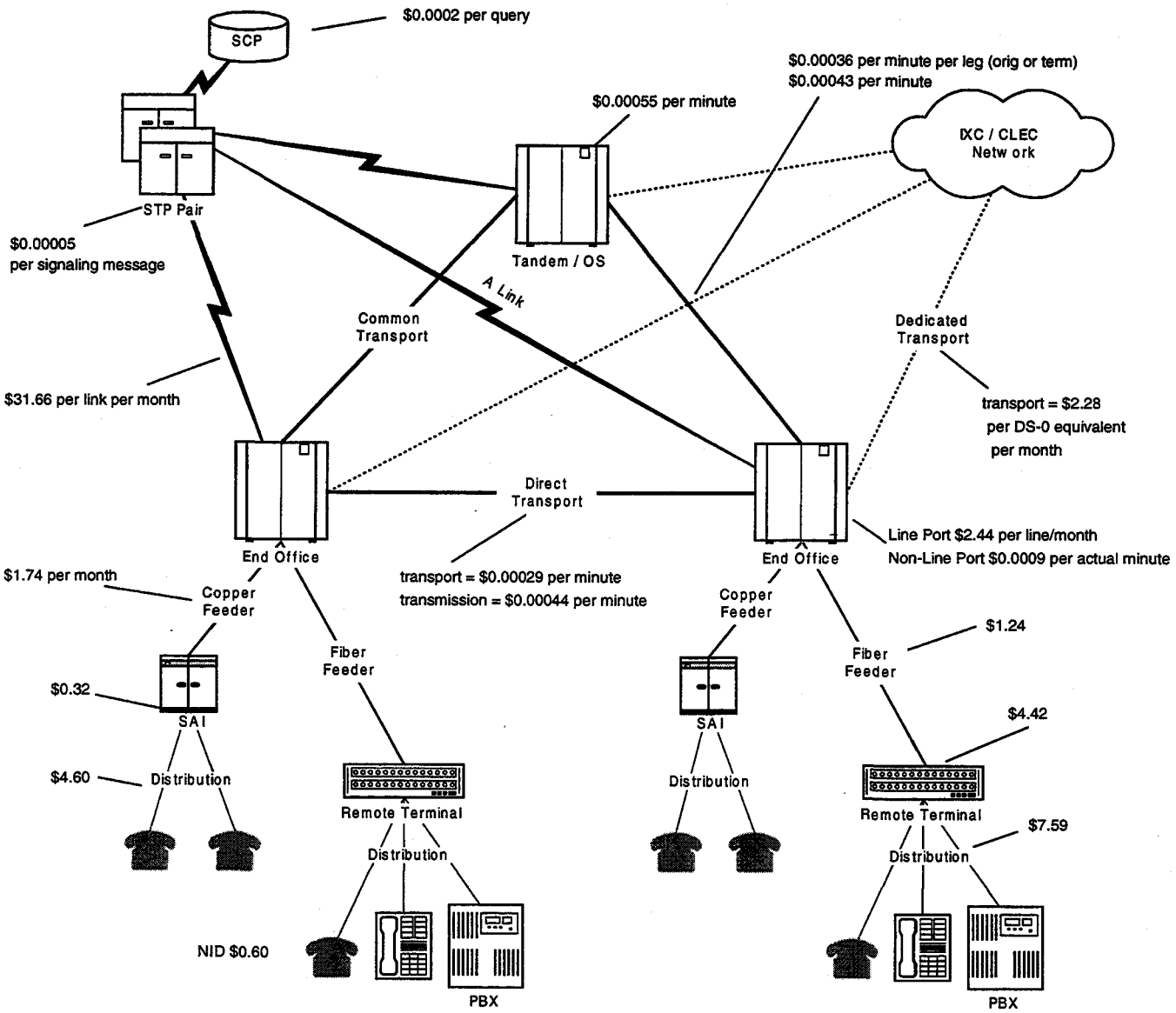
Arizona
Mountain Bell-Arizona

Network Element	Investment *	% of total invesment	1 Annual Capital Cost	2 Network Expenses	1 + 2 Direct Expense	3 Support & Overhead Expense	1 + 2 + 3 Subtotal	Total (with carrier-to-carrier)
NID	$ 71,539,484	3.1%	$ 12,392,819	$ 2,931,173	$ 15,323,992	$ 7,337,036	$ 22,661,028	$ 22,872,423
Distribution (DLC)	666,825,453	29.3%	108,797,366	30,443,929	139,241,295	66,667,903	205,909,198	207,340,800
Distribution (non-DLC)	171,031,130	7.5%	26,152,462	6,938,777	33,091,239	15,843,888	48,935,127	49,406,979
Distribution (all)	837,856,583	36.9%	134,949,828	37,382,706	172,332,534	82,511,791	254,844,325	256,747,779
Concentrator (DLC)	446,834,458	19.7%	71,157,269	9,658,896	80,816,165	38,694,298	119,510,464	120,563,134
Concentrator (non-DLC)	10,718,332	0.5%	1,856,742	475,492	2,332,233	1,116,659	3,448,893	3,483,656
Concentrator (all)	457,552,790	20.1%	73,014,010	10,134,388	83,148,398	39,810,958	122,959,356	124,046,790
Feeder (DLC)	164,915,305	7.3%	21,512,291	1,174,169	22,686,460	10,862,142	33,548,602	33,765,140
Feeder (non-DLC)	70,144,874	3.1%	10,590,086	1,957,897	12,547,984	6,007,900	18,555,884	18,741,254
Feeder (all)	235,060,179	10.3%	32,102,377	3,132,067	35,234,444	16,870,042	52,104,486	52,506,393
End Office Switching	462,319,402	20.3%	69,038,317	27,671,510	96,709,827	46,120,530	142,830,357	144,141,872
Signaling	9,002,343	0.4%	1,388,716	532,376	1,921,092	916,161	2,837,254	2,862,668
Dedicated Transport	38,958,760	1.7%	5,830,485	299,554	6,130,039	2,923,391	9,053,430	9,107,763
Dedicated Transport Transmission	60,073,649	2.6%	9,506,890	1,201,473	10,708,363	5,106,775	15,815,138	15,959,951
Direct Transport	20,099,327	0.9%	3,012,227	155,178	3,167,406	1,510,523	4,677,929	4,704,252
Direct Transport Transmission	26,529,508	1.2%	4,198,398	530,590	4,728,988	2,255,236	6,984,224	7,045,518
Common Transport	5,734,384	0.3%	860,795	44,519	905,314	431,741	1,337,055	1,343,822
Common Transport Transmission	6,048,743	0.3%	957,237	120,975	1,078,212	514,195	1,592,407	1,605,899
Tandem Switching	5,792,453	0.3%	832,544	385,864	1,218,408	581,054	1,799,462	1,816,261
Operator Systems	14,011,433	0.6%	2,801,526	1,247,832	4,049,358	1,938,809	5,988,167	6,038,915
Public Telephone	21,749,677	1.0%	3,231,643	22	3,231,665	1,547,302	4,778,967	4,825,844

							Total Network Cost	
Total	$ 2,272,328,715	100%	$ 354,117,814	$ 85,770,227	$ 439,888,041	$ 210,375,544	$ 650,263,585	$ 655,626,151

* Post sharing

Arizona / Mountain Bell-Arizona



USOA Detail Breakdown of HAI Model Costs

Mountain Bell-Arizona
Arizona

USOA	INVESTMENT DESCRIPTION	Cost
		$(000)
	Telecommunications Plant In Service	
2111	LAND	13,890
2112	MOTOR VEHICLES	19,010
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	0
2116	OTHER WORK EQUIPMENT	0
2121	BUILDINGS	100,755
2122	FURNITURE	484
2123.1	OFFICE SUPPORT EQUIPMENT	3,129
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	21,580
2110	*TOTAL LAND & SUPPORT ASSETS*	*158,848*
2212	DIGITAL ELECTRONIC SWITCHING	384,094
2220	OPERATOR SYSTEMS	8,906
2232	CIRCUIT EQUIPMENT	510,544
2351	PUBLIC TEL TERMINAL EQUIPMENT	21,750
2411	POLES	37,681
2421.1	AERIAL CABLE - METALLIC	117,692
2421.2	AERIAL CABLE - NonMETALLIC	19,703
2422.1	UNDERGROUND CABLE - METALLIC	83,916
2422.2	UNDERGROUND CABLE - NonMETALLIC	104,038
2423.1	BURIED CABLE - METALLIC	608,089
2423.2	BURIED CABLE - NonMETALLIC	105,521
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	176,481
2410	*TOTAL CABLE & WIRE FACILITIES*	*1,253,121*
	Total TPIS (before amortizable assets)*	**2,337,261**

* This calculation of total plant includes GSF investment. GSF investment is not included in the total investment that is reported in the "Summary" sheet.

USOA	EXPENSE DESCRIPTION	Cost
		$(000)
	Plant Specific Expenses	
6112	MOTOR VEHICLES	579
6113	AIRCRAFT	4
6114	SPECIAL PURPOSE VEHICLES	295
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	0
6110	*NETWORK SUPPORT*	*878*
6121	LAND & BUILDINGS	7,256
6122	FURNITURE	1,448
6123	OFFICE EQUIPMENT	1,724
6124	GENERAL PURPOSE COMPUTERS	11,904
6120	*LAND & SUPPORT ASSETS*	*22,332*
6212	DIGITAL ELECTRONIC SWITCHING	21,432
6220	OPERATOR SYSTEMS	856
6232	CIRCUIT EQUIPMENT	10,247
6351	PUBLIC TEL TERMINAL EQUIPMENT	0
6411	POLES	851
6421	AERIAL CABLE	9,020
6422	UNDERGROUND CABLE	3,169
6423	BURIED CABLE	31,910
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	1,035
6410	*TOTAL CABLE & WIRE FACILITIES*	*45,985*
	Total Plant Specific Expenses	**101,730**
	Plant Nonspecific Operations	
	TOTAL NETWORK OPERATIONS SUPPORT	89,944
6561	DEPRECIATION TPIS	366,445
6623	CUSTOMER SERVICES	5,363
	Total Plant Nonspecific Operations	**461,752**
	TOTAL CORPORATE OPERATIONS	61,257
	TOTAL OPERATING EXPENSES	**624,739**
7240	OPERATING OTHER TAXES	29,461
	TOTAL EXPENSES & OPERATING TAXES	**654,200**

USOA	Depreciation Calculations		
	Depl.life	DepFact	Dep Exp
2111			
2112	10.24	0.15758	2,996
2113			
2114			
2115	13.17	0.14051	0
2116	12.37	0.14164	0
2121	40.57	0.11432	11,518
2122	9.50	0.17120	83
2123.1	7.00	0.21144	662
2123.2	8.30	0.18114	-
2124	5.26	0.25498	5,502
2110			
2212	10.31	0.15699	60,299
2220	10.39	0.15624	1,391
2232	10.20	0.15825	80,796
2351	11.29	0.14858	3,232
2411	19.50	0.13182	4,967
2421.1	9.45	0.19258	22,665
2421.2	11.42	0.17117	3,373
2422.1	14.15	0.15218	12,771
2422.2	12.36	0.16370	17,031
2423.1	11.21	0.17300	105,201
2423.2	16.45	0.14125	14,905
2426.1	19.00	0.12803	-
2426.2	11.50	0.16392	-
2441	47.17	0.10797	19,054
	Total Depreciation		*366,445*

Network Element Disaggregations

Investment Disaggregations:

Terminal, Drop, and NID	*289,926,910*
Aerial-m portion	43,754,045
Buried-m portion	246,172,866
OS Trks + Signaling links	*4,211,036*
Circuit Eqpt. portion	701,839
Pole portion	142,251
Aerial-nm portion	283,812
Underground-nm portion	1,254,244
Buried-nm portion	1,498,040
Conduit portion	230,850
SAI	*40,362,598*
Aerial-m portion	2,045,535
Aerial-nm portion	2,404,328
Underground-m portion	7,453,163
Underground-nm portion	13,172,480
Buried-m portion	2,337,680
Buried-nm portion	12,949,413

Expense Disaggregations:

Terminal, Drop, and NID	*18,425,449*
Aerial portion	3,870,151
Buried portion	14,555,298
OS Trks + Signaling links	*298,767*
Circuit Eqpt. portion	49,794
Pole portion	28,685
Aerial-nm portion	19,077
Underground-nm portion	104,743
Buried-nm portion	84,140
Conduit portion	12,328
SAI	*1,790,584*
Aerial portion	197,407
Underground portion	915,004
Buried portion	678,173

General Support

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
General Support Investment										
furniture	$ 52,411	$ 85,804	$ 20,034	$ 43,731	$ 11,332	$ 89,375	$ 111,346	$ 55,007	$ 14,553	$ 483,593
office equipment	339,161	555,250	129,642	282,987	73,334	578,360	720,535	355,959	94,176	3,129,403
general purpose computers	2,338,810	3,828,931	893,991	1,951,441	505,701	3,988,291	4,968,712	2,454,643	649,426	21,579,947
motor vehicles	2,060,257	3,372,904	787,516	1,719,024	445,471	3,513,284	4,376,937	2,162,294	572,079	19,009,766
buildings	2,246,676	3,678,096	858,774	1,874,567	485,779	3,831,178	4,772,977	2,357,946	623,843	20,729,837
garage work equipment	0	0	0	0	0	0	0	0	0	0
orther work equipment	0	0	0	0	0	0	0	0	0	0
TOTAL	$ 7,037,316	$ 11,520,984	$ 2,689,956	$ 5,871,750	$ 1,521,618	$ 12,000,487	$ 14,950,507	$ 7,385,849	$ 1,954,078	$ 64,932,546
Levelized Cost of Capital										
furniture	8972.766807	14689.56318	3429.766432	7486.638569	1940.10326	15300.94266	19062.29612	9417.155556	2491.501756	$ 82,791
office equipment	71712.01945	117401.7182	27411.33057	59834.60646	15505.66573	122287.9767	152349.4123	75263.6569	19912.54495	661,679
general purpose computers	596353.3008	976306.3811	227951.1523	497581.3725	128944.2831	1016940.244	1266929.527	625888.527	165591.6539	5,502,486
motor vehicles	324650.7743	531494.7065	124095.0926	270879.9929	70196.41091	553615.5114	689708.0162	340729.5552	90146.99608	2,995,517
buildings	256839.9652	420479.767	98174.96766	214300.4528	55534.26994	437980.131	545646.5744	269560.3215	71317.71482	2,369,834
garage work equipment	4.06783E-06	6.65955E-06	1.55489E-06	3.39409E-06	8.79551E-07	6.93672E-06	8.64194E-06	4.26929E-06	1.12953E-06	0
orther work equipment	4.1004E-06	6.71288E-06	1.56734E-06	3.42127E-06	8.86594E-07	6.99227E-06	8.71114E-06	4.30348E-06	1.13857E-06	0
TOTAL	$ 1,258,529	$ 2,060,372	$ 481,062	$ 1,050,083	$ 272,121	$ 2,146,125	$ 2,673,696	$ 1,320,859	$ 349,460	$ 11,612,307

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Distribution Investment										
buried cable	$ 47,168,118	$ 81,562,356	$ 14,281,497	$ 20,930,708	$ 4,806,709	$ 19,795,775	$ 12,086,209	$ 2,167,005	$ -	$ 202,798,377
aerial cable	10,638,838	18,625,362	3,302,654	4,965,712	1,202,943	5,928,031	5,383,749	1,882,712	238,829	52,168,829
underground cable	1,685	977,517	347,525	1,043,935	506,502	6,237,732	11,330,415	5,942,638	1,018,166	27,405,515
buried trenching	37,014,155	34,625,809	4,955,371	6,399,559	1,366,811	9,667,341	6,044,641	2,640,936	-	102,714,624
conduit	2,054	489,785	126,682	366,694	160,061	2,057,508	3,276,336	1,427,886	230,942	8,137,947
underground trenching	11,386	2,490,880	726,074	1,942,739	819,897	14,633,482	29,748,157	29,029,598	7,073,617	86,475,831
poles	7,234,282	7,058,003	1,215,563	1,620,684	386,917	2,043,431	1,902,184	375,325	30,203	21,866,593
terminal	5,986,945	25,590,248	4,441,206	9,230,354	2,710,589	21,297,451	27,038,484	10,018,144	1,716,069	108,029,489
drop	4,172,170	17,722,193	4,050,324	7,761,842	1,046,910	8,423,763	9,754,999	3,249,516	1,046,532	57,228,249
										-
TOTAL	$ 112,229,032	$ 189,142,153	$ 33,446,896	$ 54,262,226	$ 13,007,339	$ 90,084,511	$ 106,565,175	$ 56,733,761	$ 11,354,358	$ 666,825,453
	16.83%	28.36%	5.02%	8.14%	1.95%	13.51%	15.98%	8.51%	1.70%	100.00%
Levelized Cost of Capital										
buried cable	$ 8,160,212	$ 14,110,509	$ 2,470,738	$ 3,621,069	$ 831,574	$ 3,424,723	$ 2,090,947	$ 374,898	$ -	$ 35,084,669
aerial cable	2,048,851	3,586,914	636,032	956,308	231,666	1,141,633	1,036,814	362,577	45,994	10,046,790
underground cable	165	148,762	52,887	158,870	77,081	1 949,279	1,724,302	904,371	154,948	4,170,665
buried trenching	6,403,549	5,990,359	857,293	1,107,141	236,462	1,672,476	1,045,739	456,889	-	17,769,909
conduit	222	52,881	13,678	39,591	17,281	222,143	353,736	154,165	24,934	878,630
underground trenching	1,229	268,933	78,392	209,752	88,522	1,579,934	3,211,821	3,134,241	763,718	9,336,542
poles	953,632	930,395	160,237	213,641	51,904	269,368	250,748	49,476	3,981	2,882,483
terminal	1,037,121	4,433,011	769,352	1,598,979	469,557	3,689,368	4,683,890	1,735,448	297,275	18,714,000
drop	722,747	3,070,024	701,640	1,344,588	181,357	1,459,253	1,689,863	562,915	181,291	9,913,677
TOTAL	$ 19,327,730	$ 32,591,787	$ 5,740,249	$ 9,249,937	$ 2,184,503	$ 14,408,177	$ 16,087,861	$ 7,734,979	$ 1,472,142	$ 108,797,366
Network Expenses										
buried cable	2,103,698	3,637,681	636,955	933,510	214,379	882,892	539,045	96,648	-	9,044,808
aerial cable	711,738	1,246,037	220,948	332,206	80,477	396,585	360,173	125,953	15,978	3,490,095
underground cable	23	20,528	7,298	21,923	10,637	130,992	237,939	124,795	21,381	575,516
buried trenching	1,650,831	1,544,311	221,010	285,420	60,960	431,163	269,591	117,786	-	4,581,072
conduit	12	2,841	735	2,127	928	11,934	19,003	8,282	1,339	47,200
underground trenching	66	14,447	4,211	11,268	4,755	84,874	172,539	168,372	41,027	501,560
*	158,431	154,570	26,621	35,493	8,473	44,751	41,658	8,220	661	478,878
terminal	424,765	1,815,592	315,097	654,880	192,312	1,511,024	1,918,342	710,773	121,753	7,664,538
drop	296,010	1,257,364	287,365	550,692	74,277	597,654	692,103	230,549	74,250	4,060,263
TOTAL	$ 5,345,574	$ 9,693,371	$ 1,720,239	$ 2,827,518	$ 647,199	$ 4,091,869	$ 4,250,392	$ 1,591,378	$ 276,390	$ 30,443,929
Summary										
Cost of Capital	$ 19,327,730	$ 32,591,787	$ 5,740,249	$ 9,249,937	$ 2,184,503	$ 14,408,177	$ 16,087,861	$ 7,734,979	$ 1,472,142	$ 108,797,366
Network Expense	5,345,574	9,693,371	1,720,239	2,827,518	647,199	4,091,869	4,250,392	1,591,378	276,390	30,443,929
TOTAL	$ 24,673,304	$ 42,285,158	$ 7,460,487	$ 12,077,456	$ 2,831,702	$ 18,500,046	$ 20,338,254	$ 9,326,357	$ 1,748,532	$ 139,241,295

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Distribution Investment										
buried cable	$ 1,800,861	$ 3,838,138	$ 2,128,300	$ 6,493,146	$ 1,381,244	$ 7,867,108	$ 5,065,315	$ 1,336,623	$ -	$ 29,910,734
aerial cable	406,177	876,498	492,182	1,540,582	345,675	2,356,164	2,257,059	1,162,813	269,734	9,706,883
underground cable	-	46,131	51,809	324,333	145,547	2,480,173	4,751,702	3,672,042	1,086,291	12,558,028
buried trenching	479,888	1,155,301	594,293	2,198,369	435,125	3,488,958	2,537,600	1,817,318	-	12,706,853
conduit	-	15,501	17,609	108,365	49,945	750,991	1,404,192	975,133	247,977	3,569,711
underground trenching	-	83,931	87,442	673,051	261,015	5,293,801	12,528,754	20,015,341	7,528,409	46,471,742
poles	104,875	233,433	155,098	519,257	121,293	743,248	803,106	262,157	35,023	2,977,490
terminal	585,813	2,781,565	602,805	3,362,960	925,160	8,443,003	10,838,787	6,953,147	2,951,825	37,444,164
drop	365,478	1,501,449	518,751	2,517,151	325,562	2,853,546	4,156,982	2,332,228	1,114,377	15,685,525
TOTAL	$ 3,743,092	$ 10,531,947	$ 4,648,290	$ 17,736,313	$ 3,990,565	$ 34,276,991	$ 44,343,497	$ 38,526,801	$ 13,233,634	$ 171,031,130
	2.19%	6.16%	2.72%	10.37%	2.33%	20.04%	25.93%	22.53%	7.74%	100.00%
Levelized Cost of Capital										
buried cable	$ 311,554	$ 664,008	$ 368,202	$ 1,123,332	$ 238,959	$ 1,361,031	$ 876,313	$ 231,239	$ -	$ 5,174,638
aerial cable	78,222	168,798	84,786	296,689	66,571	453,755	434,669	223,937	51,946	1,869,373
underground cable	-	7,020	7,884	49,358	22,150	377,441	723,130	558,824	165,315	1,911,124
buried trenching	83,022	199,870	102,814	380,324	75,278	603,599	439,012	314,401	-	2,198,320
conduit	-	1,674	1,901	11,700	5,392	81,082	151,607	105,282	26,773	385,411
underground trenching	-	9,062	9,441	72,667	28,181	571,556	1,352,693	2,160,998	812,820	5,017,418
poles	13,825	30,771	20,445	68,449	15,989	97,976	105,866	34,558	4,617	392,497
terminal	101,481	481,852	104,424	582,411	160,266	1,462,585	1,877,608	1,204,497	511,346	6,486,470
drop	63,312	260,097	89,864	436,047	56,397	494,321	720,116	404,013	193,044	2,717,211
TOTAL	$ 651,416	$ 1,823,152	$ 799,761	$ 3,020,977	$ 669,183	$ 5,503,348	$ 6,681,015	$ 5,237,749	$ 1,765,862	$ 26,152,462
Network Expenses										
buried cable	$ 80,318	$ 171,181	$ 94,922	$ 289,594	$ 61,603	$ 350,873	$ 225,913	$ 59,613	$ -	$ 1,334,019
aerial cable	27,173	58,638	32,927	103,065	23,126	157,627	150,997	77,792	18,045	649,390

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	969	1,088	6,811	3,056	52,084	99,786	77,113	22,812	263,719
buried trenching	$ 21,403	$ 51,526	$ 26,505	$ 98,047	$ 19,407	$ 155,608	$ 113,177	$ 81,052	$ -	566,726
conduit	-	99	102	629	290	4,356	8,144	5,656	1,438	20,704
underground trenching	-	487	507	3,904	1,514	30,704	72,667	116,089	43,665	269,536
poles	2,297	5,112	3,397	11,372	2,656	16,277	17,588	5,741	767	65,207
terminal	41,563	197,348	42,768	238,533	65,639	599,019	768,996	493,316	209,428	2,656,610
drop	25,930	106,526	36,805	178,588	23,098	202,455	294,932	165,468	79,063	1,112,866
TOTAL	$ 198,684	$ 591,876	$ 239,021	$ 930,543	$ 200,389	$ 1,569,002	$ 1,752,200	$ 1,081,841	$ 375,219	$ 6,938,777
Summary										
Cost of Capital	$ 651,416	$ 1,823,152	$ 799,761	$ 3,020,977	$ 669,183	$ 5,503,348	$ 6,681,015	$ 5,237,749	$ 1,765,862	$ 26,152,462
Network Expense	198,684	591,876	239,021	930,543	200,389	1,569,002	1,752,200	1,081,841	375,219	6,938,777
TOTAL	$ 850,100	$ 2,415,029	$ 1,038,782	$ 3,951,520	$ 869,572	$ 7,072,350	$ 8,433,215	$ 6,319,590	$ 2,141,080	$ 33,091,239

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Distribution Investment										
buried cable	$ 48,968,979	$ 85,400,494	$ 16,409,797	$ 27,423,854	$ 6,187,952	$ 27,662,883	$ 17,151,524	$ 3,503,628	$ -	$ 232,709,110
aerial cable	11,045,015	19,501,860	3,784,836	6,506,294	1,548,618	8,284,195	7,640,807	3,045,525	508,563	61,875,712
underground cable	1,085	1,023,649	399,333	1,368,268	652,050	8,717,905	16,082,118	9,614,680	2,104,456	39,963,543
buried trenching	37,494,043	35,781,110	5,549,665	8,597,928	1,801,936	13,156,299	8,582,241	4,458,254	-	115,421,476
conduit	2,054	505,286	144,292	475,058	210,006	2,808,496	4,680,528	2,403,019	478,919	11,707,659
underground trenching	11,386	2,574,811	813,516	2,615,790	1,080,912	19,927,283	42,276,911	49,044,939	14,602,026	132,947,573
poles	7,339,157	7,291,436	1,370,661	2,139,942	508,210	2,786,679	2,705,290	637,482	65,226	24,844,084
terminal	6,572,758	28,371,813	5,044,011	12,592,413	3,635,749	29,740,454	37,877,271	16,971,291	4,667,893	145,473,653
drop	4,537,648	19,223,642	4,569,075	10,278,993	1,372,472	11,277,309	13,911,981	5,581,744	2,160,909	72,913,774
TOTAL	$ 115,972,125	$ 199,674,100	$ 38,095,186	$ 71,998,539	$ 16,997,905	$ 124,361,503	$ 150,908,671	$ 95,260,562	$ 24,587,993	$ 837,856,583
	13.84%	23.83%	4.55%	8.59%	2.03%	14.84%	18.01%	11.37%	2.93%	100.00%
Levelized Cost of Capital										
buried cable	$ 8,471,766	$ 14,774,517	$ 2,838,939	$ 4,744,401	$ 1,070,533	$ 4,785,754	$ 2,967,260	$ 606,137	$ -	$ 40,259,308
aerial cable	2,127,074	3,755,712	730,818	1,252,997	298,236	1,595,389	1,471,484	586,514	97,940	11,916,163
underground cable	165	155,782	60,772	208,228	99,231	1,326,721	2,447,432	1,463,195	320,263	6,081,789
buried trenching	6,486,571	6,190,229	960,107	1,487,465	311,740	2,276,075	1,484,751	771,290	-	19,968,229
conduit	222	54,554	15,579	51,291	22,674	303,225	505,343	259,447	51,707	1,264,042
underground trenching	1,229	277,995	87,833	282,419	116,703	2,151,490	4,564,514	5,295,238	1,576,538	14,353,960
poles	967,457	961,167	180,682	282,090	66,993	367,344	356,615	84,034	8,598	3,274,979
terminal	1,138,602	4,914,863	873,776	2,181,390	629,823	5,151,953	6,561,498	2,939,945	808,621	25,200,471
drop	786,059	3,330,121	791,503	1,780,635	237,754	1,953,574	2,409,979	966,928	374,335	12,630,888
TOTAL	$ 19,979,145	$ 34,414,940	$ 6,540,010	$ 12,270,915	$ 2,853,686	$ 19,911,525	$ 22,768,876	$ 12,972,728	$ 3,238,004	$ 134,949,828
Network Expenses										
buried cable	$ 2,184,016	$ 3,808,862	$ 731,877	$ 1,223,104	$ 275,983	$ 1,233,765	$ 764,958	$ 156,262	$ -	$ 10,378,826
aerial cable	738,911	1,304,674	253,875	435,271	103,603	554,213	511,170	203,746	34,023	4,139,485
underground cable	23	21,497	8,386	28,734	13,693	183,076	337,724	201,908	44,194	839,234
buried trenching	1,672,234	1,595,838	247,515	383,468	80,366	586,771	382,768	198,638	-	5,147,798
conduit	12	2,931	837	2,755	1,218	16,289	27,147	13,938	2,778	67,904
underground trenching	66	14,934	4,718	15,172	6,269	115,578	245,206	284,461	84,692	771,096
poles	160,728	159,682	30,017	46,865	11,130	61,026	59,246	13,961	1,428	544,085
terminal	468,328	2,012,940	357,865	893,414	257,951	2,110,043	2,687,338	1,204,089	331,180	10,321,148
drop	321,940	1,363,890	324,169	729,280	97,375	800,109	987,035	396,017	153,313	5,173,128
TOTAL	$ 5,544,258	$ 10,285,247	$ 1,959,260	$ 3,758,061	$ 847,588	$ 5,660,872	$ 6,002,593	$ 2,673,218	$ 651,608	$ 37,382,706
Summary										
Cost of Capital	$ 19,979,145	$ 34,414,940	$ 6,540,010	$ 12,270,915	$ 2,853,686	$ 19,911,525	$ 22,768,876	$ 12,972,728	$ 3,238,004	$ 134,949,828
Network Expense	5,544,258	10,285,247	1,959,260	3,758,061	847,588	5,660,872	6,002,593	2,673,218	651,608	37,382,706
TOTAL	$ 25,523,403	$ 44,700,187	$ 8,499,270	$ 16,028,976	$ 3,701,274	$ 25,572,396	$ 28,771,469	$ 15,645,947	$ 3,889,612	$ 172,332,534
NID Cost										
NID Investment	$ 1,971,640	$ 8,519,559	$ 3,010,044	$ 7,357,704	$ 2,092,698	$ 17,129,286	$ 20,870,470	$ 8,482,789	$ 2,105,294	$ 71,539,484
Levelized Cost of Capital	341,548	1,475,847	521,431	1,274,579	362,519	2,967,314	3,615,402	1,469,478	364,701	12,392,819
Network Expenses	77,342	334,006	118,429	292,963	84,043	687,658	859,553	370,206	106,972	2,931,173
TOTAL	$ 418,890	$ 1,809,854	$ 639,861	$ 1,567,541	$ 446,562	$ 3,654,972	$ 4,474,955	$ 1,839,684	$ 471,673	$ 15,323,992

Concentrator

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Concentrator Investment										
DLC Investment	$ 25,563,764	$ 64,729,864	$ 19,785,648	$ 40,637,481	$ 11,559,026	$ 91,252,151	$ 114,079,047	$ 42,189,668	$ 7,393,542	$ 417,190,192
SAI Investment	1,412,588	4,593,634	1,493,296	3,035,610	892,829	6,813,311	8,148,435	2,787,635	466,928	29,644,266
										$ -
TOTAL	$ 26,976,352	$ 69,323,498	$ 21,278,944	$ 43,673,091	$ 12,451,855	$ 98,065,462	$ 122,227,482	$ 44,977,303	$ 7,860,470	$ 446,834,458
	6.04%	15.51%	4.76%	9.77%	2.79%	21.95%	27.35%	10.07%	1.76%	100.00%
Levelized Cost of Capital										
DLC	$ 4,045,566	$ 10,243,754	$ 3,131,156	$ 6,431,040	$ 1,829,261	$ 14,441,010	$ 18,053,455	$ 6,676,680	$ 1,170,057	$ 66,021,978
SAI	244,703	795,757	258,684	525,860	154,665	1,180,273	1,411,557	482,903	80,886	5,135,290
TOTAL	$ 4,290,269	$ 11,039,511	$ 3,389,841	$ 6,956,900	$ 1,983,926	$ 15,621,283	$ 19,465,012	$ 7,159,583	$ 1,250,943	$ 71,157,269
Network Expenses										
DLC	$ 511,275	$ 1,294,597	$ 395,713	$ 812,750	$ 231,181	$ 1,825,043	$ 2,281,581	$ 843,793	$ 147,871	$ 8,343,804
SAI	62,666	203,785	66,246	134,667	39,608	302,255	361,485	123,666	20,714	1,315,093
TOTAL	$ 573,941	$ 1,498,382	$ 461,959	$ 947,417	$ 270,789	$ 2,127,298	$ 2,643,066	$ 967,460	$ 168,585	$ 9,658,896
Summary.										
Cost of Capital	$ 4,290,269	$ 11,039,511	$ 3,389,841	$ 6,956,900	$ 1,983,926	$ 15,621,283	$ 19,465,012	$ 7,159,583	$ 1,250,943	$ 71,157,269
Network Expense	573,941	1,498,382	461,959	947,417	270,789	2,127,298	2,643,066	967,460	168,585	9,658,896
TOTAL	$ 4,864,210	$ 12,537,894	$ 3,851,800	$ 7,904,317	$ 2,254,715	$ 17,748,581	$ 22,108,078	$ 8,127,043	$ 1,419,528	$ 80,816,165

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Concentrator Investment										
DLC Investment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI Investment	96,443	433,768	205,704	1,032,552	262,691	2,596,777	3,353,477	1,950,557	786,363	10,718,332
TOTAL	$ 96,443	$ 433,768	$ 205,704	$ 1,032,552	$ 262,691	$ 2,596,777	$ 3,353,477	$ 1,950,557	$ 786,363	$ 10,718,332
	0.90%	4.05%	1.92%	9.63%	2.45%	24.23%	31.29%	18.20%	7.34%	100.00%
Levelized Cost of Capital										
DLC	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI	16,707	75,142	35,634	178,869	45,506	449,841	580,924	337,896	136,222	1,856,742
TOTAL	$ 16,707	$ 75,142	$ 35,634	$ 178,869	$ 45,506	$ 449,841	$ 580,924	$ 337,896	$ 136,222	$ 1,856,742
Network Expenses										
DLC	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI	4,278	19,243	9,126	45,807	11,654	115,199	148,768	86,532	34,885	475,492
TOTAL	$ 4,278	$ 19,243	$ 9,126	$ 45,807	$ 11,654	$ 115,199	$ 148,768	$ 86,532	$ 34,885	$ 475,492
Summary										
Cost of Capital	$ 16,707	$ 75,142	$ 35,634	$ 178,869	$ 45,506	$ 449,841	$ 580,924	$ 337,896	$ 136,222	$ 1,856,742
Network Expense	4,278	19,243	9,126	45,807	11,654	115,199	148,768	86,532	34,885	475,492
TOTAL	$ 20,985	$ 94,385	$ 44,760	$ 224,676	$ 57,160	$ 565,040	$ 729,693	$ 424,427	$ 171,107	$ 2,332,233

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Concentrator Investment										
DLC Investment	$ 25,563,764	$ 64,729,864	$ 19,785,648	$ 40,637,481	$ 11,559,026	$ 91,252,151	$ 114,079,047	$ 42,189,668	$ 7,393,542	$ 417,190,192

Concentrator

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
SAI Investment	1,509,031	5,027,402	1,699,000	4,068,162	1,155,520	9,410,088	11,501,912	4,738,192	1,253,291	40,362,598
TOTAL	$ 27,072,795	$ 69,757,266	$ 21,484,648	$ 44,705,643	$ 12,714,546	$ 100,662,239	$ 125,580,959	$ 46,927,860	$ 8,646,833	$ 457,552,790
	5.92%	15.25%	4.70%	9.77%	2.78%	22.00%	27.45%	10.26%	1.89%	100.00%
Levelized Cost of Capital										
DLC	$ 4,045,566	$ 10,243,754	$ 3,131,156	$ 6,431,040	$ 1,829,261	$ 14,441,010	$ 18,053,455	$ 6,676,680	$ 1,170,057	$ 66,021,978
SAI	261,410	870,899	294,319	704,730	200,171	1,630,114	1,992,482	820,799	217,108	6,992,032
TOTAL	$ 4,306,976	$ 11,114,653	$ 3,425,475	$ 7,135,770	$ 2,029,432	$ 16,071,124	$ 20,045,937	$ 7,497,479	$ 1,387,165	$ 73,014,010
Network Expenses										
DLC	$ 511,275	$ 1,294,597	$ 395,713	$ 812,750	$ 231,181	$ 1,825,043	$ 2,281,581	$ 843,793	$ 147,871	$ 8,343,804
SAI	66,944	223,028	75,372	180,474	51,262	417,455	510,253	210,198	55,599	1,790,584
TOTAL	$ 578,220	$ 1,517,625	$ 471,085	$ 993,223	$ 282,442	$ 2,242,498	$ 2,791,834	$ 1,053,991	$ 203,470	$ 10,134,388
Summary										
Cost of Capital	$ 4,306,976	$ 11,114,653	$ 3,425,475	$ 7,135,770	$ 2,029,432	$ 16,071,124	$ 20,045,937	$ 7,497,479	$ 1,387,165	$ 73,014,010
Network Expense	578,220	1,517,625	471,085	993,223	282,442	2,242,498	2,791,834	1,053,991	203,470	10,134,388
TOTAL	$ 4,885,195	$ 12,632,278	$ 3,896,559	$ 8,128,993	$ 2,311,875	$ 18,313,621	$ 22,837,771	$ 8,551,470	$ 1,590,635	$ 83,148,398

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Feeder Investment										
copper u/g cable	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	1,395,928	860,256	86,758	563,934	292,000	2,897,735	3,705,324	1,218,511	292,741	11,253,085
fiber buried cable	23,863,282	14,736,179	1,480,014	1,937,480	936,665	1,131,578	929,832	-	-	43,815,030
fiber aerial cable	5,304,527	3,268,972	329,872	535,643	138,700	917,616	938,592	285,824	54,593	11,774,229
conduit	1,089,952	788,590	116,731	485,463	242,172	2,147,252	2,704,993	874,130	168,279	8,615,561
manholes	254,098	554,777	172,658	430,357	229,071	1,803,914	2,607,321	976,454	151,997	7,180,646
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	3,493,990	2,850,937	513,179	1,982,516	965,609	11,364,563	17,718,612	11,183,120	3,181,920	53,253,836
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	9,950,910	6,821,866	744,446	817,771	147,100	808,691	292,270	13,938	3,119	19,599,511
poles	3,586,023	2,346,240	382,862	510,515	139,082	949,142	1,109,780	334,289	65,483	9,423,408
TOTAL	$ 48,938,709	$ 32,227,216	$ 3,826,316	$ 7,263,579	$ 2,490,399	$ 22,020,481	$ 29,406,816	$ 14,895,659	$ 3,858,131	$ 164,915,305
	29.68%	19.54%	2.32%	4.40%	1.51%	13.35%	17.83%	9.03%	2.34%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	228,514	140,824	14,202	92,300	47,801	474,361	606,564	199,471	38,100	1,842,136
fiber buried cable	3,370,726	2,081,508	209,054	273,672	47,554	159,837	46,589	-	-	6,188,942
fiber aerial cable	907,985	559,555	56,431	91,687	23,742	157,070	160,676	48,925	9,345	2,015,414
conduit	117,679	85,142	12,603	52,414	26,147	231,933	292,050	94,377	17,953	930,197
manholes	27,434	59,898	18,641	46,464	24,732	194,763	281,505	105,425	16,411	775,273
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	377,236	307,743	55,406	214,046	104,254	1,226,997	1,913,027	1,207,409	343,543	5,749,661
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	1,405,582	963,599	105,154	115,511	20,778	114,229	41,284	1,884	441	2,768,462
poles	472,714	309,284	50,469	67,297	18,334	125,117	146,293	44,066	8,632	1,242,206
TOTAL	$ 6,907,870	$ 4,507,554	$ 521,961	$ 953,392	$ 313,341	$ 2,684,207	$ 3,487,987	$ 1,701,556	$ 434,423	$ 21,512,291
Network Expenses										
copper u/g cable	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	11,726	7,226	729	4,736	2,453	24,341	31,125	10,235	1,955	94,526
fiber buried cable	145,566	89,891	9,028	11,819	2,064	6,903	2,012	-	-	267,272
fiber aerial cable	38,723	23,863	2,407	3,910	1,013	6,693	6,862	2,087	399	85,952
conduit	6,322	4,574	677	2,816	1,405	12,454	15,689	5,070	984	49,970
manholes	1,474	3,218	1,001	2,496	1,329	10,463	15,122	5,663	882	41,648
copper u/g placement	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
fiber u/g placement	20,265	16,532	2,976	11,499	5,601	65,914	102,768	64,862	18,455	308,872
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	60,701	41,613	4,541	4,988	897	4,933	1,783	81	19	119,557
poles	78,534	51,383	8,385	11,180	3,046	20,786	24,304	7,321	1,494	208,373
TOTAL	$ 363,310	$ 238,300	$ 29,744	$ 53,444	$ 17,798	$ 152,493	$ 199,655	$ 95,320	$ 24,188	$ 1,174,159
Summary										
Cost of Capital	$ 6,907,870	$ 4,507,554	$ 521,961	$ 953,392	$ 313,341	$ 2,684,207	$ 3,487,987	$ 1,701,556	$ 434,423	$ 21,512,291
Network Expense	363,310	238,300	29,744	53,444	17,798	152,493	199,655	95,320	24,108	1,174,169
TOTAL	$ 7,271,180	$ 4,745,854	$ 551,705	$ 1,006,836	$ 331,137	$ 2,836,700	$ 3,687,642	$ 1,796,876	$ 458,531	$ 22,688,460

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Feeder Investment										
copper u/g cable	$ 25,056	$ 129,957	$ 48,611	$ 1,173,687	$ 594,495	$ 7,467,928	$ 11,820,629	$ 7,687,088	$ 2,934,000	$ 31,871,450
copper buried cable	396,084	2,054,368	768,449	3,722,934	623,072	2,718,325	993,476	-	-	11,256,708
copper aerial cable	95,212	493,898	184,723	1,115,002	277,635	2,364,843	2,994,559	1,803,139	688,229	10,017,183
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	2,228	15,485	12,040	95,129	39,508	471,221	665,471	380,390	117,348	1,798,819
manholes	9,135	45,996	29,497	313,050	147,813	2,023,463	3,032,079	3,208,184	929,937	9,737,153
copper u/g placement	3,882	14,780	15,451	152,065	30,682	587,896	1,065,748	1,789,148	958,759	4,627,410
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	8,767	28,232	12,926	69,608	5,868	41,585	15,074	826	55	181,140
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	8,978	34,357	17,057	84,804	17,378	145,692	185,927	111,524	39,684	645,000
TOTAL	$ 548,742	$ 2,816,013	$ 1,088,754	$ 6,726,479	$ 1,726,451	$ 15,821,151	$ 20,762,964	$ 14,987,279	$ 5,688,041	$ 70,144,874
	0.78%	4.01%	1.55%	9.59%	2.46%	22.55%	29.60%	21.37%	8.08%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ 3,813	$ 19,777	$ 7,398	$ 178,618	$ 88,950	$ 1,136,495	$ 1,798,904	$ 1,169,844	$ 448,511	$ 4,850,308
copper buried cable	68,524	355,411	132,944	644,078	107,793	470,278	170,144	-	-	1,949,171
copper aerial cable	18,336	95,105	35,574	214,730	53,468	455,427	576,699	347,253	132,541	1,929,132
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	241	1,672	1,300	10,271	4,266	50,876	71,849	41,070	12,870	194,213
manholes	986	4,966	3,185	33,799	15,959	218,467	327,365	346,162	100,403	1,051,292
copper u/g placement	419	1,596	1,668	16,418	3,313	63,473	115,066	194,141	103,514	499,608
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	1,517	4,538	2,236	12,077	1,015	7,194	2,608	149	10	31,338

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	1,104	4,529	2,248	11,179	2,291	19,232	24,509	14,701	5,231	85,025
TOTAL	$ 94,940	$ 487,594	$ 186,553	$ 1,121,167	$ 277,054	$ 2,421,442	$ 3,087,143	$ 2,113,314	$ 800,879	$ 10,590,086
Network Expenses										
copper u/g cable	$ 526	$ 2,729	$ 1,021	$ 24,647	$ 12,274	$ 156,826	$ 248,233	$ 161,428	$ 61,615	$ 669,301
copper buried cable	17,665	91,625	34,273	166,043	27,789	121,237	43,863	-	-	502,495
copper aerial cable	6,370	33,038	12,358	74,594	18,574	158,208	200,336	120,630	46,043	670,150
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	13	90	70	552	229	2,733	3,860	2,205	681	10,433
manholes	53	267	171	1,816	857	11,736	17,596	18,596	5,394	56,475
copper u/g placement	$ 23	$ 86	$ 90	$ 882	$ 178	$ 3,410	$ 6,181	$ 10,429	$ 5,561	26,839
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	391	1,170	577	3,113	262	1,855	672	37	2	8,079
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	183	752	374	1,857	381	3,195	4,072	2,442	859	14,128
TOTAL	$ 25,224	$ 129,756	$ 48,932	$ 273,504	$ 60,544	$ 459,200	$ 524,804	$ 315,769	$ 120,164	$ 1,957,897
Summary										
Cost of Capital	$ 94,940	$ 487,594	$ 186,553	$ 1,121,167	$ 277,054	$ 2,421,442	$ 3,087,143	$ 2,113,314	$ 800,879	$ 10,590,086
Network Expense	25,224	129,756	48,932	273,504	60,544	459,200	524,804	315,769	120,164	1,957,897
TOTAL	$ 120,164	$ 617,350	$ 235,486	$ 1,394,671	$ 337,598	$ 2,880,643	$ 3,611,947	$ 2,429,083	$ 921,043	$ 12,547,984

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment										
copper u/g cable	$ 25,056	$ 129,957	$ 48,611	$ 1,173,687	$ 584,495	$ 7,467,926	$ 11,820,629	$ 7,587,068	$ 2,934,090	$ 31,871,460
copper buried cable	398,084	2,054,356	768,449	3,722,934	623,072	2,718,325	983,476	-	-	11,266,708
copper aerial cable	95,212	493,836	184,723	1,115,002	277,635	2,364,843	2,994,659	1,803,139	688,229	10,017,183
fiber u/g cable	1,395,928	860,256	66,756	583,934	292,000	2,897,735	3,705,324	1,218,511	232,741	11,253,085
fiber buried cable	23,863,282	14,738,179	1,480,014	1,937,480	336,665	1,131,578	929,632	-	-	43,815,030
fiber aerial cable	5,304,527	3,268,972	329,672	535,643	138,700	917,616	938,682	285,924	54,593	11,774,229
conduit	1,092,180	804,075	128,771	580,591	281,679	2,618,473	3,370,465	1,254,521	283,625	10,414,380
manholes	263,233	600,773	202,155	743,407	376,884	3,927,377	5,639,399	4,182,639	1,081,934	16,917,799
copper u/g placement	3,862	14,780	15,451	152,065	30,682	587,898	1,065,748	1,798,148	959,759	4,627,410
fiber u/g placement	3,493,990	2,850,337	513,178	1,982,516	355,609	11,364,553	17,718,612	11,183,120	3,181,920	53,253,836
copper buried placement	8,767	26,232	12,926	69,808	5,868	41,585	15,074	828	55	181,140
fiber buried placement	9,950,910	6,821,866	744,446	817,771	147,100	808,591	292,270	13,338	3,119	19,599,511
poles	3,594,401	2,380,596	399,918	595,319	156,460	1,095,034	1,295,707	445,806	105,167	10,068,408
TOTAL	$ 49,487,451	$ 35,042,229	$ 4,915,070	$ 13,990,058	$ 4,216,850	$ 37,841,632	$ 50,169,778	$ 29,872,939	$ 9,524,172	$ 235,060,179
	21.05%	14.91%	2.09%	5.95%	1.79%	16.10%	21.34%	12.71%	4.05%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ 3,813	$ 19,777	$ 7,398	$ 178,515	$ 88,950	$ 1,136,495	$ 1,798,904	$ 1,169,844	$ 446,511	$ 4,850,308
copper buried cable	58,524	355,411	132,944	644,078	107,793	470,278	170,144	-	-	1,949,171
copper aerial cable	18,338	95,105	35,574	214,730	53,468	455,427	576,699	347,253	132,541	1,929,132
fiber u/g cable	228,514	140,824	14,202	92,300	47,801	474,361	606,564	199,471	38,100	1,842,136
fiber buried cable	3,370,728	2,081,608	209,054	273,572	47,554	159,837	46,689	-	-	6,188,942
fiber aerial cable	907,985	559,555	56,431	91,687	23,742	157,070	160,678	48,925	9,345	2,015,414
conduit	117,920	86,814	13,903	62,685	30,412	282,709	363,899	135,447	30,822	1,124,410
manholes	28,420	64,864	21,826	80,263	40,691	413,231	608,869	451,597	116,813	1,826,565
copper u/g placement	419	1,596	1,668	16,418	3,313	63,473	115,066	194,141	103,514	499,608
fiber u/g placement	377,238	307,743	55,406	214,046	104,254	1,226,997	1,913,027	1,207,409	343,543	5,749,661
copper buried placement	1,517	4,538	2,236	12,077	1,016	7,194	2,608	143	10	31,338
fiber buried placement	1,405,582	963,599	105,154	115,511	20,778	114,229	41,284	1,884	441	2,768,462
poles	473,819	313,813	52,718	78,476	20,625	144,349	170,802	58,787	13,863	1,327,231
TOTAL	$ 7,002,810	$ 4,995,148	$ 708,515	$ 2,074,559	$ 590,396	$ 5,105,649	$ 6,575,130	$ 3,814,870	$ 1,235,302	$ 32,102,377
Network Expenses										
copper u/g cable	$ 526	$ 2,729	$ 1,021	$ 24,647	$ 12,274	$ 156,826	$ 248,233	$ 161,428	$ 61,615	$ 669,301
copper buried cable	17,665	91,625	34,273	166,043	27,789	121,237	43,863	-	-	502,495
copper aerial cable	6,370	33,038	12,358	74,594	18,574	158,208	200,336	120,630	46,043	670,150
fiber u/g cable	11,726	7,228	729	4,736	2,453	24,341	31,125	10,235	1,955	94,528
fiber buried cable	145,566	89,891	9,028	11,819	2,054	6,903	2,012	-	-	267,272
fiber aerial cable	38,723	23,863	2,407	3,910	1,013	6,699	6,852	2,087	399	85,952
conduit	6,335	4,664	747	3,367	1,634	15,187	19,549	7,278	1,645	60,403
manholes	1,527	3,484	1,172	4,312	2,186	22,199	32,709	24,259	6,275	98,123
copper u/g placement	23	86	90	882	178	3,410	6,181	10,429	5,561	26,839
fiber u/g placement	20,265	16,532	2,976	11,499	5,601	65,914	102,768	64,862	18,455	308,872
copper buried placement	391	1,170	577	3,113	262	1,855	672	37	2	8,079
fiber buried placement	50,701	41,613	4,541	4,988	897	4,933	1,783	81	19	119,557
poles	78,717	52,195	8,758	13,037	3,426	23,981	28,376	9,783	2,303	220,498
TOTAL	$ 388,534	$ 368,056	$ 78,676	$ 326,948	$ 78,340	$ 611,693	$ 724,459	$ 411,089	$ 144,272	$ 3,132,067
Summary										
Cost of Capital	$ 7,002,810	$ 4,995,148	$ 708,515	$ 2,074,559	$ 590,396	$ 5,105,649	$ 6,575,130	$ 3,814,870	$ 1,235,302	$ 32,102,377
Network Expense	388,534	368,056	78,676	326,948	78,340	611,693	724,459	411,089	144,272	3,132,067
TOTAL	$ 7,391,344	$ 5,363,204	$ 787,191	$ 2,401,507	$ 668,735	$ 5,717,342	$ 7,299,589	$ 4,225,959	$ 1,379,573	$ 35,234,444

End Office Switching

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
EO Switching Investment										
end office switching	$ 17,630,463	$ 48,830,323	$ 15,559,861	$ 37,978,339	$ 10,326,980	$ 83,231,880	$ 102,169,740	$ 43,896,574	$ 12,680,253	$ 372,304,412
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	2,407,187	6,843,326	2,483,820	6,536,543	1,962,795	17,182,056	23,747,505	11,177,712	3,784,046	76,124,990
land	436,658	1,377,060	476,565	1,309,683	403,065	3,189,782	4,260,344	1,916,404	520,439	13,890,000
TOTAL	$ 20,474,307	$ 57,050,709	$ 18,520,246	$ 45,824,565	$ 12,692,840	$ 103,603,718	$ 130,177,589	$ 56,990,691	$ 16,984,738	$ 462,319,402
	4.43%	12.34%	4.01%	9.91%	2.75%	22.41%	28.16%	12.33%	3.67%	100.00%
Levelized Cost of Capital										
end office switching	$ 2,767,803	$ 7,665,863	$ 2,442,740	$ 5,962,212	$ 1,621,231	$ 13,066,557	$ 16,039,608	$ 6,891,315	$ 1,990,670	$ 58,447,998
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	275,189	782,329	283,950	747,257	224,387	1,964,252	2,714,814	1,277,836	432,592	8,702,606
land	59,343.75	187,148.53	64,767.36	177,991.81	54,778.32	433,506	578,999.67	260,447.91	70,730.03	1,887,713
TOTAL	$ 3,102,336	$ 8,635,340	$ 2,791,457	$ 6,887,461	$ 1,900,396	$ 15,464,314	$ 19,333,421	$ 8,429,598	$ 2,493,992	$ 69,038,317
Network Expenses										
end office switching	$ 983,780	$ 2,724,732	$ 868,240	$ 2,119,191	$ 576,245	$ 4,644,339	$ 5,701,072	$ 2,449,429	$ 707,558	$ 20,774,586
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	218,091	620,005	225,034	592,211	177,829	1,556,694	2,151,524	1,012,701	342,835	6,896,924
land	-	-	-	-	-	-	-	-	-	-
TOTAL	$ 1,201,871	$ 3,344,737	$ 1,093,274	$ 2,711,402	$ 754,075	$ 6,201,033	$ 7,852,596	$ 3,462,130	$ 1,050,393	$ 27,671,510
Summary										
Cost of Capital	$ 3,102,336	$ 8,635,340	$ 2,791,457	$ 6,887,461	$ 1,900,396	$ 15,464,314	$ 19,333,421	$ 8,429,598	$ 2,493,992	$ 69,038,317
Network Expense	1,201,871	3,344,737	1,093,274	2,711,402	754,075	6,201,033	7,852,596	3,462,130	1,050,393	27,671,510
TOTAL	$ 4,304,207	$ 11,980,078	$ 3,884,731	$ 9,598,863	$ 2,654,470	$ 21,665,348	$ 27,186,017	$ 11,891,728	$ 3,544,385	$ 96,709,827

Signaling

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Signaling Investment										
SCP	$ 20,412	$ 88,147	$ 31,265	$ 77,429	$ 22,230	$ 181,887	$ 227,892	$ 98,656	$ 28,729	$ 776,649
SCP wire center	15,768	68,092	24,152	59,813	17,173	140,505	176,043	76,210	22,193	599,950
STP	200,428	809,545	283,479	701,293	200,192	1,635,268	2,046,834	885,762	257,789	7,020,590
signaling links	384,957	129,683	10,568	43,147	1,852	19,955	12,157	2,427	409	605,154
TOTAL	$ 621,566	$ 1,095,467	$ 349,463	$ 881,682	$ 241,447	$ 1,977,616	$ 2,462,927	$ 1,063,056	$ 309,120	$ 9,002,343
	6.90%	12.17%	3.88%	9.79%	2.68%	21.97%	27.36%	11.81%	3.43%	100.00%
Levelized Cost of Capital										
SCP	$ 3,205	$ 13,838	$ 4,908	$ 12,156	$ 3,490	$ 28,554	$ 35,777	$ 15,488	$ 4,510	$ 121,926
SCP wire center	1,803	7,784	2,761	6,838	1,963	16,063	20,125	8,712	2,537	68,586
STP	31,465	127,090	44,503	110,096	31,428	256,720	321,332	139,056	40,470	1,102,161
signaling links	61,096	20,582	1,677	6,848	294	3,167	1,929	385	65	96,043
TOTAL	$ 97,568	$ 169,294	$ 53,850	$ 135,937	$ 37,175	$ 304,504	$ 379,164	$ 163,641	$ 47,582	$ 1,388,716
Network Expenses										
SCP	$ 1,139	$ 4,919	$ 1,745	$ 4,321	$ 1,240	$ 10,149	$ 12,716	$ 5,505	$ 1,603	$ 43,337
SCP wire center	1,429	6,169	2,188	5,419	1,556	12,730	15,950	6,905	2,011	54,355
STP	11,184	45,173	15,818	39,132	11,171	91,248	114,213	49,426	14,385	391,749
signaling links	27,312	9,201	750	3,061	131	1,416	862	172	29	42,935
TOTAL	$ 41,064	$ 65,461	$ 20,501	$ 51,933	$ 14,098	$ 115,543	$ 143,742	$ 62,007	$ 18,027	$ 532,376
Summary										
Cost of Capital	$ 97,568	$ 169,294	$ 53,850	$ 135,937	$ 37,175	$ 304,504	$ 379,164	$ 163,641	$ 47,582	$ 1,388,716
Network Expense	41,064	65,461	20,501	51,933	14,098	115,543	143,742	62,007	18,027	532,376
TOTAL	$ 138,632	$ 234,756	$ 74,350	$ 187,870	$ 51,274	$ 420,047	$ 522,905	$ 225,649	$ 65,610	$ 1,921,092

Dedicated Transport

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Dedicated Transport Investment										
underground cable	$ 5,670,718	$ 3,512,003	$ 589,007	$ 1,875,898	$ 188,608	$ 1,277,107	$ 1,117,266	$ 491,671	$ 123,961	$ 14,846,240
buried cable	4,808,202	3,500,910	696,471	2,015,337	257,752	1,984,535	2,231,056	1,069,284	307,832	16,871,378
aerial cable	1,089,907	737,030	132,196	386,322	44,991	309,715	278,022	120,993	31,031	3,130,208
poles	582,580	351,279	61,233	209,648	20,723	143,355	128,054	56,291	14,294	1,567,457
conduit	769,119	520,101	93,287	272,615	31,751	218,557	196,191	85,377	21,894	2,208,893
manholes	133,996	76,808	12,290	40,803	4,036	28,062	24,944	10,859	2,786	334,584
TOTAL	$ 13,054,523	$ 8,698,131	$ 1,584,484	$ 4,800,623	$ 547,861	$ 3,961,331	$ 3,975,533	$ 1,834,476	$ 501,798	$ 38,958,760
Levelized Cost of Capital										
underground cable	$ 928,300	$ 574,917	$ 96,421	$ 307,086	$ 30,875	$ 209,063	$ 182,897	$ 80,487	$ 20,293	$ 2,430,338
buried cable	679,166	494,509	98,378	284,669	36,408	280,319	315,140	151,038	43,482	2,383,109
aerial cable	186,561	126,159	22,628	66,127	7,701	53,014	47,589	20,711	5,312	535,803
poles	76,796	46,306	8,072	27,636	2,732	18,897	16,880	7,420	1,884	206,624
conduit	83,040	56,154	10,072	29,433	3,428	23,597	21,182	9,218	2,364	238,488
manholes	14,467	8,293	1,327	4,405	436	3,030	2,693	1,172	301	36,124
TOTAL	$ 1,968,330	$ 1,306,337	$ 236,897	$ 719,357	$ 81,580	$ 587,920	$ 586,382	$ 270,046	$ 73,635	$ 5,830,485
Network Expenses										
underground cable	$ 47,634	$ 29,501	$ 4,948	$ 15,758	$ 1,584	$ 10,728	$ 9,385	$ 4,130	$ 1,041	$ 124,708
buried cable	29,330	21,356	4,248	12,294	1,572	12,106	13,609	6,523	1,878	102,915
aerial cable	7,956	5,380	965	2,820	328	2,261	2,030	883	227	22,851
poles	12,759	7,693	1,341	4,591	454	3,139	2,804	1,233	313	34,327
conduit	4,461	3,017	541	1,581	184	1,268	1,138	495	127	12,812
manholes	777	445	71	237	23	163	145	63	16	1,941
TOTAL	$ 102,917	$ 67,392	$ 12,115	$ 37,280	$ 4,146	$ 29,664	$ 29,111	$ 13,327	$ 3,602	$ 299,554
Summary										
Cost of Capital	$ 1,968,330	$ 1,306,337	$ 236,897	$ 719,357	$ 81,580	$ 587,920	$ 586,382	$ 270,046	$ 73,635	$ 5,830,485
Network Expense	102,917	67,392	12,115	37,280	4,146	29,664	29,111	13,327	3,602	299,554
TOTAL	$ 2,071,247	$ 1,373,729	$ 249,012	$ 756,638	$ 85,726	$ 617,584	$ 615,493	$ 283,373	$ 77,237	$ 6,130,039
Transmission Terminal										
investment	$ 3,124,433	$ 7,330,604	$ 2,329,056	$ 5,682,018	$ 1,541,749	$ 12,595,434	$ 16,896,885	$ 7,978,324	$ 2,595,147	$ 60,073,649
levelized cost of capital	494,454	1,160,097	368,582	899,202	243,988	1,993,277	2,673,998	1,262,601	410,692	9,506,890
network expenses	62,489	146,612	46,581	113,640	30,835	251,909	337,938	159,566	51,903	1,201,473
TOTAL	$ 556,942	$ 1,306,709	$ 415,163	$ 1,012,842	$ 274,823	$ 2,245,185	$ 3,011,936	$ 1,422,167	$ 462,595	$ 10,708,363

Direct Transport

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Transport Investment										
underground cable	$ 3,121,141	$ 2,093,924	$ 298,874	$ 959,787	$ 87,161	$ 627,271	$ 454,625	$ 172,201	$ 36,096	$ 7,851,078
buried cable	2,636,174	2,051,925	349,237	1,022,117	121,563	955,393	866,910	363,081	89,416	8,455,815
aerial cable	600,986	435,105	66,714	198,656	21,020	152,362	113,038	42,169	9,033	1,639,083
poles	318,123	208,373	30,958	105,980	9,681	70,494	52,062	19,674	4,162	819,507
conduit	424,100	307,039	47,077	140,187	14,833	107,516	79,768	29,758	6,377	1,156,655
manholes	73,804	45,965	6,226	20,759	1,885	13,830	10,136	3,777	807	177,189
TOTAL	$ 7,174,327	$ 5,142,331	$ 799,086	$ 2,447,486	$ 256,142	$ 1,926,866	$ 1,576,540	$ 630,659	$ 145,891	$ 20,099,327
Levelized Cost of Capital										
underground cable	$ 510,932	$ 342,777	$ 48,926	$ 157,118	$ 14,268	$ 102,685	$ 74,422	$ 28,189	$ 5,909	$ 1,285,226
buried cable	372,364	289,838	49,330	144,376	17,171	134,951	122,452	51,286	12,630	1,194,397
aerial cable	102,872	74,478	11,419	34,004	3,598	26,080	19,349	7,218	1,546	280,565
poles	41,935	27,468	4,081	13,970	1,276	9,293	6,863	2,593	549	108,028
conduit	45,789	33,150	5,083	15,136	1,601	11,608	8,612	3,213	688	124,881
manholes	7,968	4,963	672	2,241	204	1,493	1,094	408	87	19,131
TOTAL	$ 1,081,861	$ 772,673	$ 119,511	$ 366,845	$ 38,118	$ 286,109	$ 232,793	$ 92,907	$ 21,410	$ 3,012,227
Network Expenses										
underground cable	$ 26,218	$ 17,589	$ 2,511	$ 8,062	$ 732	$ 5,269	$ 3,819	$ 1,446	$ 303	$ 65,949
buried cable	16,081	12,517	2,130	6,235	742	5,828	5,288	2,215	545	51,580
aerial cable	4,387	3,176	487	1,450	153	1,112	825	308	66	11,965
poles	6,967	4,563	678	2,321	212	1,544	1,140	431	91	17,947
conduit	2,460	1,781	273	813	86	624	463	173	37	6,709
manholes	428	267	36	120	11	80	59	22	5	1,028
TOTAL	$ 56,540	$ 39,893	$ 6,115	$ 19,002	$ 1,936	$ 14,457	$ 11,594	$ 4,594	$ 1,047	$ 155,178
Summary										
Cost of Capital	$ 1,081,861	$ 772,673	$ 119,511	$ 366,845	$ 38,118	$ 286,109	$ 232,793	$ 92,907	$ 21,410	$ 3,012,227
Network Expense	56,540	39,893	6,115	19,002	1,936	14,457	11,594	4,594	1,047	155,178
TOTAL	$ 1,138,401	$ 812,565	$ 125,627	$ 385,847	$ 40,054	$ 300,566	$ 244,387	$ 97,502	$ 22,457	$ 3,167,406
Transmission Terminal										
investment	$ 1,784,937	$ 4,046,081	$ 1,159,647	$ 2,882,758	$ 738,365	$ 5,786,722	$ 6,597,739	$ 2,762,300	$ 770,960	$ 26,529,508
levelized cost of capital	282,473	640,308	183,519	456,208	116,849	915,771	1,044,118	437,145	122,007	4,198,398
network expenses	35,699	80,922	23,193	57,655	14,767	115,734	131,955	55,246	15,419	530,590
TOTAL	$ 318,172	$ 721,230	$ 206,712	$ 513,863	$ 131,616	$ 1,031,506	$ 1,176,073	$ 492,391	$ 137,427	$ 4,728,988

Common Transport

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Common Transport Investment										
underground cable	$ 1,093,132	$ 579,045	$ 72,421	$ 248,705	$ 19,403	$ 146,739	$ 102,935	$ 36,891	$ 7,648	$ 2,306,919
buried cable	911,791	550,926	82,663	255,308	26,836	217,260	190,957	77,361	18,939	2,332,041
aerial cable	208,645	118,755	16,052	50,685	4,673	35,581	25,585	9,022	1,914	470,911
poles	112,120	57,147	7,446	27,306	2,152	16,457	11,784	4,209	879	239,499
conduit	147,236	83,802	11,326	35,768	3,298	25,112	18,058	6,367	1,352	332,319
manholes	26,043	12,785	1,510	5,402	420	3,246	2,299	815	175	52,694
TOTAL	$ 2,498,967	$ 1,402,459	$ 191,418	$ 623,174	$ 56,782	$ 444,394	$ 351,619	$ 134,665	$ 30,906	$ 5,734,384
Levelized Cost of Capital										
underground cable	$ 178,946	$ 94,790	$ 11,855	$ 40,713	$ 3,176	$ 24,021	$ 16,851	$ 6,039	$ 1,252	$ 377,644
buried cable	128,792	77,819	11,676	36,063	3,791	30,688	26,973	10,927	2,675	329,405
aerial cable	35,714	20,327	2,748	8,676	800	6,090	4,379	1,544	328	80,607
poles	14,780	7,533	982	3,599	284	2,169	1,553	555	116	31,571
conduit	15,897	9,048	1,223	3,862	356	2,711	1,950	687	146	35,879
manholes	2,812	1,380	163	583	45	350	248	88	19	5,689
TOTAL	$ 376,941	$ 210,898	$ 28,647	$ 93,496	$ 8,452	$ 66,031	$ 51,954	$ 19,841	$ 4,535	$ 860,795
Network Expenses										
underground cable	$ 9,182	$ 4,864	$ 608	$ 2,089	$ 163	$ 1,233	$ 865	$ 310	$ 64	$ 19,378
buried cable	5,562	3,361	504	1,557	164	1,325	1,165	472	116	14,225
aerial cable	1,523	867	117	370	34	260	187	66	14	3,438
poles	2,455	1,252	163	598	47	360	258	92	19	5,245
conduit	854	486	66	207	19	146	105	37	8	1,927
manholes	151	74	9	31	2	19	13	5	1	306
TOTAL	$ 19,728	$ 10,903	$ 1,467	$ 4,853	$ 429	$ 3,343	$ 2,592	$ 981	$ 222	$ 44,519
Summary										
Cost of Capital	$ 376,941	$ 210,898	$ 28,647	$ 93,496	$ 8,452	$ 66,031	$ 51,954	$ 19,841	$ 4,535	$ 860,795
Network Expense	19,728	10,903	1,467	4,853	429	3,343	2,592	981	222	44,519
TOTAL	$ 396,668	$ 221,801	$ 30,114	$ 98,349	$ 8,881	$ 69,374	$ 54,547	$ 20,822	$ 4,757	$ 905,314
Transmission Terminal										
investment	$ 572,356	$ 996,245	$ 260,800	$ 650,807	$ 159,439	$ 1,250,403	$ 1,408,954	$ 586,550	$ 163,189	$ 6,048,743
levelized cost of capital	90,578	157,660	41,273	102,993	25,232	197,881	222,972	92,824	25,825	957,237
network expenses	11,447	19,925	5,216	13,016	3,189	25,008	28,179	11,731	3,264	120,975
TOTAL	$ 102,025	$ 177,585	$ 46,489	$ 116,009	$ 28,421	$ 222,889	$ 251,152	$ 104,555	$ 29,089	$ 1,078,212

Tandem Switching

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Tandem Switching Investment										
tandem switching	$ 131,068	$ 473,937	$ 161,925	$ 399,227	$ 112,678	$ 918,407	$ 1,149,941	$ 499,161	$ 145,963	$ 3,992,308
wire center	47,312	204,310	72,467	179,469	51,526	421,585	528,217	228,669	66,590	1,800,145
TOTAL	$ 178,381	$ 678,246	$ 234,393	$ 578,696	$ 164,204	$ 1,339,992	$ 1,678,158	$ 727,830	$ 212,553	$ 5,792,453
Levelized Cost of Capital										
tandem switching	$ 20,576	$ 74,403	$ 25,421	$ 62,675	$ 17,689	$ 144,181	$ 180,529	$ 78,363	$ 22,915	$ 626,752
wire center	5,409	23,357	8,284	20,517	5,890	48,196	60,386	26,141	7,613	205,792
TOTAL	$ 25,985	$ 97,760	$ 33,705	$ 83,192	$ 23,580	$ 192,376	$ 240,915	$ 104,505	$ 30,527	$ 832,544
Network Expenses										
tandem switching	$ 7,314	$ 26,446	$ 9,035	$ 22,277	$ 6,287	$ 51,247	$ 64,167	$ 27,853	$ 8,145	$ 222,771
wire center	4,287	18,510	6,566	16,260	4,668	38,196	47,856	20,717	6,033	163,093
TOTAL	$ 11,600	$ 44,956	$ 15,601	$ 38,537	$ 10,956	$ 89,443	$ 112,023	$ 48,571	$ 14,178	$ 385,864
Summary										
Cost of Capital	$ 25,985	$ 97,760	$ 33,705	$ 83,192	$ 23,580	$ 192,376	$ 240,915	$ 104,505	$ 30,527	$ 832,544
Network Expense	11,600	44,956	15,601	38,537	10,956	89,443	112,023	48,571	14,178	385,864
TOTAL	$ 37,585	$ 142,716	$ 49,306	$ 121,728	$ 34,535	$ 281,819	$ 352,938	$ 153,075	$ 44,705	$ 1,218,408

Operator Services

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Operator Investment										
OS Tandem Switching	$ 66,808	$ 253,314	$ 87,586	$ 216,419	$ 61,485	$ 502,898	$ 631,042	$ 273,839	$ 80,094	$ 2,173,485
OS Tandem Wire Center	39,424	170,247	60,386	149,547	42,936	351,297	440,152	190,545	55,488	1,500,022
OS Trunks	1,586,106	927,449	124,111	388,221	34,966	272,720	193,596	65,517	13,197	3,605,881
OS Position	176,936	764,062	271,008	671,163	192,694	1,576,610	1,975,386	855,159	249,028	6,732,045
TOTAL	$ 1,869,274	$ 2,115,071	$ 543,090	$ 1,425,351	$ 332,080	$ 2,703,525	$ 3,240,176	$ 1,385,060	$ 397,806	$ 14,011,433
Levelized Cost of Capital										
OS Tandem Switching	$ 10,488	$ 39,768	$ 13,750	$ 33,976	$ 9,652	$ 78,950	$ 99,067	$ 42,990	$ 12,574	$ 341,215
OS Tandem Wire Center	4,507	19,463	6,903	17,096	4,908	40,160	50,318	21,783	6,343	171,482
OS Trunks	251,728	147,193	19,697	61,614	5,549	43,283	30,725	10,398	2,094	572,282
OS Position	45,115	194,822	69,102	171,134	49,133	402,006	503,687	218,050	63,498	1,716,547
TOTAL	$ 311,838	$ 401,245	$ 109,453	$ 283,820	$ 69,244	$ 564,399	$ 683,797	$ 293,221	$ 84,509	$ 2,801,526
Network Expenses										
OS Tandem Switching	$ 3,728	$ 14,135	$ 4,887	$ 12,076	$ 3,431	$ 28,062	$ 35,212	$ 15,280	$ 4,469	$ 121,280
OS Tandem Wire Center	3,572	15,424	5,471	13,549	3,890	31,828	39,878	17,263	5,027	135,902
OS Trunks	112,532	65,801	8,805	27,544	2,481	19,349	13,735	4,648	936	255,832
OS Position	-	-	-	-	-	-	-	-	-	-
Operator Wages	19,313	83,399	29,581	73,259	21,033	172,090	215,618	93,342	27,182	734,817
TOTAL	$ 139,145	$ 178,759	$ 48,745	$ 126,428	$ 30,835	$ 251,329	$ 304,443	$ 130,534	$ 37,615	$ 1,247,832
Summary										
Cost of Capital	$ 311,838	$ 401,245	$ 109,453	$ 283,820	$ 69,244	$ 564,399	$ 683,797	$ 293,221	$ 84,509	$ 2,801,526
Network Expense	139,145	178,759	48,745	126,428	30,835	251,329	304,443	130,534	37,615	1,247,832
TOTAL	$ 450,983	$ 580,005	$ 158,198	$ 410,248	$ 100,078	$ 815,728	$ 988,240	$ 423,755	$ 122,124	$ 4,049,358

Public Telephone

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Public Telephone Investment	$ 415,353	$ 1,630,874	$ 658,985	$ 1,634,080	$ 496,437	$ 4,375,033	$ 7,300,265	$ 3,831,659	$ 1,406,990	$ 21,749,677
	1.91%	7.50%	3.03%	7.51%	2.28%	20.12%	33.56%	17.62%	6.47%	100.00%
Levelized Cost of Capital	$ 61,715	$ 242,321	$ 97,914	$ 242,797	$ 73,762	$ 650,058	$ 1,084,699	$ 569,321	$ 209,055	$ 3,231,643
Network Expenses	$ 0	$ 2	$ 1	$ 2	$ 0	$ 4	$ 7	$ 4	$ 1	$ 22
Summary										
Cost of Capital	$ 61,715	$ 242,321	$ 97,914	$ 242,797	$ 73,762	$ 650,058	$ 1,084,699	$ 569,321	$ 209,055	$ 3,231,643
Network Expense	0	2	1	2	0	4	7	4	1	22
TOTAL	$ 61,715	$ 242,323	$ 97,915	$ 242,799	$ 73,763	$ 650,062	$ 1,084,706	$ 569,325	$ 209,057	$ 3,231,665

	GrUpROR 13.59%				DefTax:	TRUE	Capital Annual Charge Factors (RegDeprec/TaxDeprec)				
Account	USOA Category	Economic Life	Net Salvage Percent	Adjusted Projection Life	Regulatory Deprec Method	IRS Deprec Category	SL/SL	SL/Accel	ELG/ELG	ELG/Accel	**Selected KACF**
2112	Motor Vehicles	8.60	16.00%	10.24	elg	2	0.17640	0.15845	0.17659	0.15758	**0.15758**
2115	Garage Work Equipment	13.70	-4.00%	13.17	elg	3	0.15749	0.14091	0.15613	0.14051	**0.14051**
2116	Other Work Equipment	11.50	7.00%	12.37	elg	2	0.16168	0.14155	0.15795	0.14164	**0.14164**
2121	Buildings	43.00	-6.00%	40.57	elg	6	0.12765	0.11473	0.12699	0.11432	**0.11432**
2122	Furniture	9.50	0.00%	9.50	elg	3	0.18328	0.17131	0.18167	0.17120	**0.17120**
2123.1	Office Support Equipment	7.00	0.00%	7.00	elg	3	0.21834	0.21172	0.21827	0.21144	**0.21144**
2123.2	Company Comm Equipment	8.30	0.00%	8.30	elg	2	0.19731	0.18198	0.19783	0.18114	**0.18114**
2124	Computers	5.00	5.00%	5.26	elg	2	0.26388	0.25558	0.26468	0.25498	**0.25498**
2212	Digital Switching	10.00	3.00%	10.31	elg	2	0.17580	0.15776	0.17560	0.15699	**0.15699**
2220	Operator Systems	10.70	-3.00%	10.39	elg	2	0.17514	0.15701	0.17493	0.15624	**0.15624**
2232.2	Digital Circuit Equipment	10.00	2.00%	10.20	elg	2	0.17669	0.15878	0.17561	0.15825	**0.15825**
2351	Public Telephone	7.90	30.00%	11.29	elg	2	0.16836	0.14927	0.16767	0.14858	**0.14858**
	NID, SAI, Drop			11.21	elg	5	0.16888	0.17216	0.16787	0.17323	**0.17323**
2411	Poles	46.40	-138.00%	19.50	elg	5	0.13874	0.13146	0.13619	0.13182	**0.13182**
2421-m	Aerial Cable - Metallic	12.00	-27.00%	9.45	elg	5	0.18380	0.19002	0.18375	0.19258	**0.19258**
2421-nm	Aerial Cable - Non-Metallic	14.50	-27.00%	11.42	elg	5	0.16747	0.17030	0.16709	0.17117	**0.17117**
2422-m	Underground - Metallic	15.00	-6.00%	14.15	elg	5	0.15318	0.15184	0.15167	0.15218	**0.15218**
2422-nm	Underground - Non-Metallic	13.10	-6.00%	12.36	elg	5	0.16171	0.16305	0.16048	0.16370	**0.16370**
2423-m	Buried - Metallic	12.00	-7.00%	11.21	elg	5	0.16885	0.17211	0.16851	0.17300	**0.17300**
2423-nm	Buried - Non-Metallic	17.60	-7.00%	16.45	elg	5	0.14547	0.14118	0.14450	0.14125	**0.14125**
2426-m	Intrabuilding - Metallic	19.00	0.00%	19.00	elg	5	0.13963	0.13279	0.15595	0.12803	**0.12803**
2426-nm	Intrabuilding - Non-Metallic	11.50	0.00%	11.50	elg	5	0.16692	0.16958	0.19057	0.16392	**0.16392**
2441	Conduit Systems	56.60	-20.00%	47.17	elg	5	0.12776	0.10866	0.12708	0.10797	**0.10797**

CGS Curve Analysis

Account	2112	2115	2116	2121	2122	2123	2123	2124	2212	2220	2232	2351		2411	2421-m	2421-nm	2422-m	2422-nm	2423-m	2423-nm	2426-m	2426-nm	2441
USOA Category	Motor Vehicles	Garage Work Equipment	Other Work Equipment	Buildings	Furniture	Office Support Equipment	Company Comm Equipment	Computers	Digital Switching	Operator Systems	Digital Circuit Equipment	Public Telephone	NID, SAI	Poles	Aerial Cable - Metallic	Aerial Cable - Non-Metallic	Underground - Metallic	Underground - Non-Metallic	Buried - Metallic	Buried - Non-Metallic	Intrabuilding - Metallic	Intrabuilding - Non-Metallic	Conduit Systems
c	1.26213880	1.02766470	0.00000000	1.49906820	1.01954060	1.02010290	1.26213880	1.02766470	1.13339740	1.13339740	1.02010290	1.10249400	1.02766470	1.02010290	1.13339740	1.13339740	1.02766470	1.02766470	1.13339740	1.13339740	0.96000000	0.96000000	1.49906820
Ln g	-0.03960009	-5.71031270	0.00000000	-0.00491005	-4.48721980	-8.97443950	-0.03960009	-5.71031270	-0.21745512	-0.21745512	-8.97443950	-0.33410041	-5.71031270	-8.97443950	-0.21745512	-0.21745512	-5.71031270	-5.71031270	-0.21745512	-0.21745512	-0.19488615	-0.19488615	-0.00491005
Ln s	0.00855372	0.14552408	-0.04344112	0.00177395	0.05859083	0.16316108	0.00855372	0.14552408	0.02396884	0.02396884	0.16316108	0.02401188	0.14552408	0.16316108	0.02396884	0.02396884	0.14552408	0.14552408	0.02396884	0.02396884	-0.01125187	-0.01125187	0.00177395
h	0.97674419	0.75912409	0.80869565	0.24651163	1.05263158	1.42857143	1.20481928	1.90000000	0.97000000	0.96261682	0.98000000	0.88607595	0.89206066	0.51293103	1.05833333	0.87586207	0.70666667	0.80916031	0.89166667	0.60795455	0.52631579	0.86956522	0.21201413
Adj Proj Life	10.24	13.17	12.37	40.57	9.50	7.00	8.30	5.26	10.31	10.39	10.20	11.29	11.21	19.50	9.45	11.42	14.15	12.36	11.21	16.45	19.00	11.50	47.17

Fraction of Original Plant Surviving Through Given Year

Given Yr																							
1	0.99596	0.97936	0.92229	0.99982	0.93181	0.94243	0.99422	0.93888	0.98893	0.98904	0.96190	0.97973	0.97522	0.98084	0.98753	0.99035	0.98096	0.97782	0.99011	0.99397	0.99591	0.99314	0.99985
2	0.98607	0.95364	0.85063	0.99952	0.86449	0.87304	0.97908	0.84928	0.96985	0.97020	0.91786	0.95386	0.94349	0.95996	0.96547	0.97421	0.95749	0.94989	0.97350	0.98488	0.99164	0.98580	0.99961
3	0.96901	0.92315	0.78453	0.99907	0.79845	0.79458	0.95204	0.73869	0.94221	0.94294	0.86871	0.92235	0.90535	0.93747	0.93312	0.95117	0.92985	0.91659	0.94972	0.97258	0.98719	0.97799	0.99928
4	0.94337	0.88829	0.72356	0.99848	0.73411	0.71013	0.91037	0.61649	0.90567	0.90691	0.81536	0.88525	0.86151	0.91346	0.89011	0.92092	0.89834	0.87842	0.91846	0.95693	0.98258	0.96975	0.99883
5	0.90767	0.84952	0.66734	0.99772	0.67181	0.62289	0.85143	0.49261	0.86013	0.86203	0.75881	0.84276	0.81278	0.88808	0.83648	0.88334	0.86332	0.83597	0.87959	0.93784	0.97778	0.96111	0.99827
6	0.86053	0.80737	0.61548	0.99678	0.61189	0.53594	0.77327	0.37599	0.80588	0.80854	0.70009	0.79523	0.76008	0.86145	0.77276	0.83850	0.82522	0.78989	0.83322	0.91524	0.97283	0.95209	0.99758
7	0.80085	0.76242	0.56766	0.99563	0.55463	0.45208	0.67552	0.27346	0.74355	0.74706	0.64023	0.74316	0.70442	0.83370	0.70011	0.78673	0.78447	0.74091	0.77972	0.88909	0.96774	0.94273	0.99676
8	0.72818	0.71530	0.52355	0.99426	0.50024	0.37365	0.56054	0.18904	0.67428	0.67867	0.58024	0.68722	0.64683	0.80499	0.62032	0.72862	0.74158	0.68979	0.71976	0.85943	0.96250	0.93305	0.99578
9	0.64305	0.66663	0.48286	0.99264	0.44891	0.30241	0.43451	0.12386	0.59963	0.60487	0.52105	0.62823	0.58838	0.77545	0.53582	0.66509	0.69705	0.63730	0.65434	0.82634	0.95712	0.92308	0.99464
10	0.54743	0.61707	0.44534	0.99075	0.40078	0.23953	0.30778	0.07671	0.52160	0.52760	0.46354	0.56715	0.53000	0.74523	0.44959	0.59736	0.65139	0.58422	0.58480	0.78995	0.95161	0.91283	0.99332
11	0.44507	0.56724	0.41074	0.98856	0.35594	0.18556	0.19349	0.04477	0.44256	0.44915	0.40846	0.50507	0.47271	0.71448	0.38495	0.52693	0.60512	0.53129	0.51277	0.75049	0.94597	0.90235	0.99180
12	0.34155	0.51775	0.37882	0.98604	0.31442	0.14051	0.10387	0.02454	0.36508	0.37202	0.35643	0.44313	0.41734	0.68336	0.28524	0.45553	0.55875	0.47922	0.44012	0.70823	0.94021	0.89164	0.99008
13	0.24377	0.46917	0.34938	0.98316	0.27623	0.10392	0.04523	0.01260	0.29174	0.29875	0.30795	0.38252	0.36463	0.65200	0.21351	0.38505	0.51276	0.42866	0.38886	0.66354	0.93434	0.88073	0.98813
14	0.15884	0.42202	0.32223	0.97989	0.24132	0.07502	0.01494	0.00603	0.22493	0.23167	0.26339	0.32441	0.31519	0.62055	0.15213	0.31741	0.46761	0.38018	0.30100	0.61682	0.92836	0.86965	0.98593
15	0.09233	0.37676	0.29719	0.97618	0.20963	0.05283	0.00342	0.00269	0.16653	0.17272	0.22296	0.26987	0.26948	0.58915	0.10246	0.25443	0.42371	0.33424	0.23840	0.56859	0.92228	0.85841	0.98347
16	0.04649	0.33377	0.27410	0.97200	0.18104	0.03626	0.00048	0.00111	0.11778	0.12318	0.18675	0.21982	0.22783	0.55794	0.06471	0.19768	0.38144	0.29125	0.18263	0.51938	0.91610	0.84703	0.98071
17	0.01956	0.29337	0.25280	0.96729	0.15543	0.02424	0.00004	0.00042	0.07911	0.08355	0.15476	0.17499	0.19042	0.52704	0.03798	0.14832	0.34110	0.25147	0.13478	0.46979	0.90982	0.83554	0.97764
18	0.00656	0.25580	0.23316	0.96202	0.13263	0.01577	0.00000	0.00015	0.05012	0.05356	0.12685	0.13586	0.15728	0.49658	0.02050	0.10704	0.30297	0.21512	0.09541	0.42047	0.90346	0.82395	0.97423
19	0.00166	0.22122	0.21504	0.95613	0.11248	0.00998	0.00000	0.00005	0.02974	0.03221	0.10281	0.10264	0.12835	0.46667	0.01005	0.07397	0.26725	0.18227	0.06446	0.37204	0.89702	0.81228	0.97045
20	0.00029	0.18973	0.19833	0.94956	0.09479	0.00614	0.00000	0.00001	0.01638	0.01803	0.08239	0.07527	0.10345	0.43742	0.00442	0.04870	0.23408	0.15294	0.04134	0.32516	0.89050	0.80054	0.96628
21	0.00003	0.16133	0.18292	0.94225	0.07937	0.00366	0.00000	0.00000	0.00829	0.00930	0.06526	0.05344	0.08234	0.40892	0.00172	0.03037	0.20355	0.12705	0.02501	0.28043	0.88391	0.78875	0.96168
22	0.00000	0.13599	0.16870	0.93414	0.06602	0.00212	0.00000	0.00000	0.00382	0.00438	0.05109	0.03662	0.06468	0.38126	0.00058	0.01783	0.17572	0.10448	0.01418	0.23840	0.87725	0.77693	0.95662
23	0.00000	0.11362	0.15559	0.92517	0.05455	0.00119	0.00000	0.00000	0.00158	0.00186	0.03951	0.02415	0.05014	0.35451	0.00017	0.00979	0.15056	0.08503	0.00747	0.19956	0.87053	0.76508	0.95106
24	0.00000	0.09407	0.14350	0.91525	0.04476	0.00065	0.00000	0.00000	0.00058	0.00070	0.03018	0.01527	0.03835	0.32874	0.00004	0.00499	0.12802	0.06846	0.00363	0.16427	0.86375	0.75323	0.94496
25	0.00000	0.07716	0.13235	0.90433	0.03648	0.00034	0.00000	0.00000	0.00019	0.00023	0.02277	0.00922	0.02892	0.30401	0.00001	0.00233	0.10802	0.05453	0.00161	0.13281	0.85692	0.74138	0.93829
26	0.00000	0.06270	0.12207	0.89231	0.02951	0.00017	0.00000	0.00000	0.00005	0.00007	0.01696	0.00530	0.02150	0.28036	0.00000	0.00100	0.09042	0.04295	0.00064	0.10530	0.85004	0.72955	0.93100
27	0.00000	0.05045	0.11258	0.87913	0.02371	0.00009	0.00000	0.00000	0.00001	0.00002	0.01247	0.00288	0.01575	0.25782	0.00000	0.00038	0.07508	0.03344	0.00023	0.08175	0.84311	0.71775	0.92305
28	0.00000	0.04020	0.10383	0.86470	0.01890	0.00004	0.00000	0.00000	0.00000	0.00000	0.00904	0.00148	0.01136	0.23642	0.00000	0.00013	0.06183	0.02574	0.00007	0.06205	0.83615	0.70599	0.91440
29	0.00000	0.03171	0.09577	0.84894	0.01496	0.00002	0.00000	0.00000	0.00000	0.00000	0.00647	0.00071	0.00807	0.21618	0.00000	0.00004	0.05050	0.01958	0.00002	0.04595	0.82915	0.69427	0.90500
30	0.00000	0.02476	0.08832	0.83177	0.01174	0.00001	0.00000	0.00000	0.00000	0.00000	0.00457	0.00032	0.00565	0.19710	0.00000	0.00001	0.04089	0.01471	0.00000	0.03315	0.82211	0.68261	0.89479
31	0.00000	0.01913	0.08146	0.81311	0.00915	0.00000	0.00000	0.00000	0.00000	0.00000	0.00318	0.00013	0.00389	0.17918	0.00000	0.00000	0.03282	0.01092	0.00000	0.02324	0.81505	0.67101	0.88372
32	0.00000	0.01462	0.07513	0.79291	0.00707	0.00000	0.00000	0.00000	0.00000	0.00000	0.00218	0.00005	0.00263	0.16240	0.00000	0.00000	0.02611	0.00800	0.00000	0.01580	0.80798	0.65949	0.87176
33	0.00000	0.01105	0.06929	0.77108	0.00542	0.00000	0.00000	0.00000	0.00000	0.00000	0.00147	0.00002	0.00175	0.14676	0.00000	0.00000	0.02059	0.00579	0.00000	0.01039	0.80085	0.64805	0.85884
34	0.00000	0.00826	0.06391	0.74758	0.00412	0.00000	0.00000	0.00000	0.00000	0.00000	0.00098	0.00001	0.00115	0.13223	0.00000	0.00000	0.01608	0.00413	0.00000	0.00659	0.79372	0.63669	0.84491
35	0.00000	0.00611	0.05894	0.72237	0.00310	0.00000	0.00000	0.00000	0.00000	0.00000	0.00064	0.00000	0.00074	0.11877	0.00000	0.00000	0.01244	0.00291	0.00000	0.00402	0.78657	0.62543	0.82993
36	0.00000	0.00446	0.05436	0.69543	0.00232	0.00000	0.00000	0.00000	0.00000	0.00000	0.00042	0.00000	0.00046	0.10636	0.00000	0.00000	0.00954	0.00202	0.00000	0.00236	0.77942	0.61426	0.81385
37	0.00000	0.00322	0.05014	0.66675	0.00172	0.00000	0.00000	0.00000	0.00000	0.00000	0.00026	0.00000	0.00029	0.09494	0.00000	0.00000	0.00724	0.00138	0.00000	0.00132	0.77225	0.60320	0.79662
38	0.00000	0.00230	0.04624	0.63638	0.00126	0.00000	0.00000	0.00000	0.00000	0.00000	0.00017	0.00000	0.00017	0.08449	0.00000	0.00000	0.00544	0.00093	0.00000	0.00070	0.76508	0.59225	0.77819
39	0.00000	0.00162	0.04265	0.60436	0.00091	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00010	0.07494	0.00000	0.00000	0.00405	0.00062	0.00000	0.00036	0.75791	0.58142	0.75855
40	0.00000	0.00113	0.03933	0.57079	0.00066	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00006	0.06627	0.00000	0.00000	0.00298	0.00041	0.00000	0.00017	0.75074	0.57070	0.73764
41	0.00000	0.00077	0.03628	0.53580	0.00047	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00003	0.05841	0.00000	0.00000	0.00217	0.00026	0.00000	0.00008	0.74357	0.56010	0.71547
42	0.00000	0.00052	0.03346	0.49957	0.00033	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00002	0.05131	0.00000	0.00000	0.00156	0.00017	0.00000	0.00003	0.73640	0.54962	0.69201
43	0.00000	0.00035	0.03086	0.46234	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.04492	0.00000	0.00000	0.00111	0.00010	0.00000	0.00001	0.72924	0.53928	0.66727
44	0.00000	0.00023	0.02846	0.42438	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.03920	0.00000	0.00000	0.00079	0.00006	0.00000	0.00000	0.72210	0.52906	0.64127
45	0.00000	0.00015	0.02625	0.38600	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03410	0.00000	0.00000	0.00055	0.00004	0.00000	0.00000	0.71496	0.51897	0.61405
46	0.00000	0.00010	0.02421	0.34758	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02955	0.00000	0.00000	0.00038	0.00002	0.00000	0.00000	0.70784	0.50902	0.58565
47	0.00000	0.00006	0.02233	0.30953	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02553	0.00000	0.00000	0.00026	0.00001	0.00000	0.00000	0.70074	0.49921	0.55616
48	0.00000	0.00004	0.02059	0.27228	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02197	0.00000	0.00000	0.00017	0.00001	0.00000	0.00000	0.69365	0.48953	0.52567
49	0.00000	0.00002	0.01899	0.23629	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01885	0.00000	0.00000	0.00011	0.00000	0.00000	0.00000	0.68659	0.47999	0.49431
50	0.00000	0.00001	0.01752	0.20200	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01611	0.00000	0.00000	0.00008	0.00000	0.00000	0.00000	0.67955	0.47059	0.46223
51	0.00000	0.00001	0.01616	0.16986	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01372	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.67253	0.46133	0.42961
52	0.00000	0.00000	0.01490	0.14024	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01164	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.66554	0.45221	0.39665
53	0.00000	0.00000	0.01374	0.11347	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00984	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.65858	0.44323	0.36358
54	0.00000	0.00000	0.01267	0.08978	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00829	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.65165	0.43439	0.33065
55	0.00000	0.00000	0.01169	0.06930	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00696	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.64475	0.42569	0.29813
56	0.00000	0.00000	0.01078	0.05206	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00582	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.63788	0.41713	0.26631
57	0.00000	0.00000	0.00994	0.03794	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00484	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.63105	0.40871	0.23547
58	0.00000	0.00000	0.00917	0.02675	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00402	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.62425	0.40044	0.20590
59	0.00000	0.00000	0.00846	0.01818	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00332	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.61748	0.39230	0.17788
60	0.00000	0.00000	0.00780	0.01186	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00273	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.61076	0.38430	0.15166
61	0.00000	0.00000	0.00719	0.00740	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00224	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.60407	0.37644	0.12746
62	0.00000	0.00000	0.00664	0.00439	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00183	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.59743	0.36871	0.10545
63	0.00000	0.00000	0.00612	0.00247	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00149	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.59082	0.36112	0.08577

64	0.00000	0.00000	0.00564	0.00131	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00121	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.58426	0.35367	0.06848
65	0.00000	0.00000	0.00521	0.00065	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00097	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.57774	0.34635	0.05358
66	0.00000	0.00000	0.00480	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00078	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.57128	0.33916	0.04100
67	0.00000	0.00000	0.00443	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00063	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.56482	0.33210	0.03063
68	0.00000	0.00000	0.00408	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.55844	0.32518	0.02230
69	0.00000	0.00000	0.00377	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00039	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.55209	0.31838	0.01577
70	0.00000	0.00000	0.00347	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00031	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.54580	0.31171	0.01081
71	0.00000	0.00000	0.00320	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.53955	0.30516	0.00717
72	0.00000	0.00000	0.00296	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00019	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.53336	0.29874	0.00458
73	0.00000	0.00000	0.00273	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.52719	0.29244	0.00281
74	0.00000	0.00000	0.00251	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.52109	0.28628	0.00165
75	0.00000	0.00000	0.00232	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.51503	0.28020	0.00092
76	0.00000	0.00000	0.00214	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50902	0.27426	0.00049
77	0.00000	0.00000	0.00197	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50307	0.26843	0.00025
78	0.00000	0.00000	0.00182	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49716	0.26272	0.00012
79	0.00000	0.00000	0.00168	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49130	0.25712	0.00005
80	0.00000	0.00000	0.00155	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48549	0.25163	0.00002
81	0.00000	0.00000	0.00143	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.47974	0.24625	0.00001

Given Yr	Fraction of Original Plant Being Retired in Given Year																						
1	0.00404	0.02064	0.07771	0.00018	0.06819	0.05757	0.00578	0.06112	0.01107	0.01096	0.03810	0.02027	0.02478	0.01916	0.01247	0.00965	0.01904	0.02218	0.00989	0.00603	0.00409	0.00686	0.00015
2	0.00990	0.02572	0.07167	0.00030	0.06733	0.06939	0.01515	0.08960	0.01908	0.01884	0.04404	0.02587	0.03173	0.02088	0.02207	0.01614	0.02347	0.02793	0.01661	0.00909	0.00427	0.00735	0.00024
3	0.01706	0.03049	0.06610	0.00044	0.06604	0.07846	0.02704	0.11060	0.02764	0.02726	0.04915	0.03151	0.03813	0.02250	0.03235	0.02304	0.02764	0.03330	0.02378	0.01230	0.00445	0.00781	0.00034
4	0.02564	0.03487	0.06096	0.00059	0.06435	0.08445	0.04167	0.12219	0.03655	0.03603	0.05335	0.03710	0.04385	0.02400	0.04301	0.03024	0.03151	0.03817	0.03126	0.01564	0.00462	0.00824	0.00044
5	0.03570	0.03877	0.05623	0.00076	0.06229	0.08724	0.05894	0.12388	0.04553	0.04488	0.05655	0.04249	0.04873	0.02538	0.05363	0.03758	0.03501	0.04245	0.03886	0.01909	0.00479	0.00864	0.00056
6	0.04714	0.04215	0.05186	0.00094	0.05992	0.08695	0.07816	0.11662	0.05426	0.05349	0.05872	0.04753	0.05270	0.02663	0.06372	0.04484	0.03811	0.04608	0.04637	0.02261	0.00494	0.00902	0.00069
7	0.05967	0.04494	0.04783	0.00115	0.05727	0.08386	0.09775	0.10253	0.06232	0.06147	0.05986	0.05207	0.05566	0.02774	0.07265	0.05178	0.04074	0.04898	0.05350	0.02615	0.00510	0.00936	0.00083
8	0.07267	0.04712	0.04411	0.00137	0.05439	0.07843	0.11498	0.08443	0.06927	0.06839	0.05999	0.05594	0.05759	0.02872	0.07979	0.05811	0.04289	0.05112	0.05996	0.02966	0.00524	0.00968	0.00098
9	0.08513	0.04867	0.04068	0.00162	0.05133	0.07124	0.12603	0.06517	0.07465	0.07380	0.05918	0.05899	0.05848	0.02954	0.08450	0.06353	0.04454	0.05249	0.06542	0.03309	0.00538	0.00997	0.00114
10	0.09562	0.04956	0.03752	0.00189	0.04813	0.06288	0.12673	0.04715	0.07803	0.07727	0.05751	0.06108	0.05836	0.03022	0.08623	0.06773	0.04566	0.05308	0.06954	0.03638	0.00551	0.01024	0.00132
11	0.10236	0.04983	0.03461	0.00219	0.04484	0.05397	0.11429	0.03194	0.07904	0.07845	0.05509	0.06209	0.05729	0.03075	0.08465	0.07043	0.04627	0.05293	0.07203	0.03946	0.00564	0.01049	0.00151
12	0.10353	0.04949	0.03192	0.00252	0.04152	0.04506	0.08962	0.02023	0.07748	0.07713	0.05203	0.06194	0.05537	0.03113	0.07971	0.07140	0.04637	0.05206	0.07265	0.04226	0.00576	0.01071	0.00172
13	0.09778	0.04858	0.02944	0.00288	0.03819	0.03659	0.05863	0.01195	0.07333	0.07327	0.04848	0.06061	0.05271	0.03136	0.07173	0.07048	0.04599	0.05056	0.07126	0.04470	0.00587	0.01091	0.00195
14	0.08492	0.04715	0.02715	0.00327	0.03491	0.02890	0.03030	0.00657	0.06682	0.06707	0.04457	0.05811	0.04944	0.03145	0.06138	0.06764	0.04515	0.04849	0.06786	0.04671	0.00598	0.01108	0.00220
15	0.06651	0.04526	0.02504	0.00371	0.03169	0.02219	0.01152	0.00335	0.05840	0.05895	0.04043	0.05454	0.04571	0.03140	0.04967	0.06298	0.04390	0.04593	0.06260	0.04824	0.00608	0.01124	0.00247
16	0.04583	0.04299	0.02309	0.00418	0.02859	0.01657	0.00294	0.00158	0.04875	0.04955	0.03620	0.05005	0.04165	0.03121	0.03775	0.05676	0.04227	0.04300	0.05577	0.04921	0.00618	0.01138	0.00276
17	0.02694	0.04040	0.02130	0.00470	0.02562	0.01202	0.00045	0.00069	0.03867	0.03963	0.03200	0.04483	0.03742	0.03090	0.02673	0.04936	0.04034	0.03977	0.04785	0.04958	0.00627	0.01149	0.00307
18	0.01299	0.03757	0.01964	0.00527	0.02280	0.00847	0.00003	0.00027	0.02898	0.02999	0.02791	0.03913	0.03314	0.03046	0.01748	0.04128	0.03813	0.03636	0.03937	0.04933	0.00636	0.01159	0.00341
19	0.00490	0.03458	0.01812	0.00589	0.02015	0.00579	0.00000	0.00010	0.02039	0.02135	0.02403	0.03322	0.02893	0.02991	0.01044	0.03307	0.03573	0.03285	0.03095	0.04842	0.00644	0.01167	0.00378
20	0.00136	0.03150	0.01671	0.00657	0.01769	0.00384	0.00000	0.00003	0.01336	0.01418	0.02042	0.02737	0.02490	0.02925	0.00563	0.02527	0.03317	0.02933	0.02312	0.04688	0.00652	0.01174	0.00417
21	0.00026	0.02840	0.01541	0.00731	0.01542	0.00247	0.00000	0.00001	0.00808	0.00872	0.01713	0.02183	0.02112	0.02850	0.00270	0.01832	0.03052	0.02588	0.01633	0.04473	0.00659	0.01179	0.00460
22	0.00003	0.02534	0.01421	0.00811	0.01335	0.00154	0.00000	0.00000	0.00447	0.00492	0.01418	0.01682	0.01765	0.02766	0.00114	0.01254	0.02784	0.02257	0.01083	0.04203	0.00666	0.01182	0.00506
23	0.00000	0.02237	0.01311	0.00897	0.01147	0.00093	0.00000	0.00000	0.00224	0.00252	0.01158	0.01247	0.01454	0.02675	0.00041	0.00804	0.02516	0.01945	0.00671	0.03884	0.00672	0.01184	0.00556
24	0.00000	0.01955	0.01209	0.00991	0.00979	0.00054	0.00000	0.00000	0.00100	0.00116	0.00933	0.00888	0.01180	0.02577	0.00013	0.00480	0.02254	0.01656	0.00384	0.03529	0.00678	0.01185	0.00610
25	0.00000	0.01691	0.01115	0.01093	0.00829	0.00031	0.00000	0.00000	0.00039	0.00047	0.00741	0.00605	0.00943	0.02473	0.00003	0.00265	0.02000	0.01393	0.00202	0.03146	0.00683	0.01185	0.00667
26	0.00000	0.01446	0.01028	0.01202	0.00696	0.00017	0.00000	0.00000	0.00013	0.00017	0.00581	0.00392	0.00742	0.02365	0.00001	0.00134	0.01760	0.01158	0.00096	0.02751	0.00688	0.01183	0.00729
27	0.00000	0.01224	0.00949	0.01318	0.00581	0.00009	0.00000	0.00000	0.00004	0.00005	0.00449	0.00242	0.00575	0.02254	0.00000	0.00061	0.01534	0.00950	0.00041	0.02355	0.00692	0.01180	0.00795
28	0.00000	0.01025	0.00875	0.01443	0.00481	0.00004	0.00000	0.00000	0.00001	0.00001	0.00342	0.00140	0.00438	0.02140	0.00000	0.00025	0.01325	0.00770	0.00016	0.01970	0.00697	0.01177	0.00865
29	0.00000	0.00849	0.00807	0.01576	0.00395	0.00002	0.00000	0.00000	0.00000	0.00000	0.00257	0.00077	0.00329	0.02024	0.00000	0.00009	0.01134	0.00616	0.00005	0.01609	0.00700	0.01172	0.00941
30	0.00000	0.00695	0.00744	0.01717	0.00321	0.00001	0.00000	0.00000	0.00000	0.00000	0.00190	0.00039	0.00243	0.01908	0.00000	0.00003	0.00961	0.00487	0.00002	0.01281	0.00703	0.01166	0.01021
31	0.00000	0.00563	0.00686	0.01865	0.00260	0.00000	0.00000	0.00000	0.00000	0.00000	0.00139	0.00019	0.00176	0.01792	0.00000	0.00001	0.00807	0.00379	0.00000	0.00991	0.00706	0.01160	0.01106
32	0.00000	0.00451	0.00633	0.02021	0.00208	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00008	0.00126	0.01677	0.00000	0.00000	0.00671	0.00292	0.00000	0.00744	0.00709	0.01152	0.01196
33	0.00000	0.00357	0.00584	0.02183	0.00165	0.00000	0.00000	0.00000	0.00000	0.00000	0.00071	0.00003	0.00088	0.01564	0.00000	0.00000	0.00553	0.00221	0.00000	0.00541	0.00711	0.01144	0.01292
34	0.00000	0.00279	0.00538	0.02350	0.00130	0.00000	0.00000	0.00000	0.00000	0.00000	0.00049	0.00001	0.00061	0.01453	0.00000	0.00000	0.00451	0.00166	0.00000	0.00380	0.00713	0.01136	0.01393
35	0.00000	0.00216	0.00497	0.02521	0.00101	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034	0.00000	0.00041	0.01346	0.00000	0.00000	0.00364	0.00122	0.00000	0.00257	0.00714	0.01126	0.01498
36	0.00000	0.00165	0.00458	0.02694	0.00079	0.00000	0.00000	0.00000	0.00000	0.00000	0.00023	0.00000	0.00027	0.01242	0.00000	0.00000	0.00291	0.00089	0.00000	0.00167	0.00716	0.01116	0.01608
37	0.00000	0.00124	0.00422	0.02867	0.00060	0.00000	0.00000	0.00000	0.00000	0.00000	0.00015	0.00000	0.00018	0.01141	0.00000	0.00000	0.00230	0.00064	0.00000	0.00104	0.00716	0.01106	0.01723
38	0.00000	0.00092	0.00390	0.03038	0.00046	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00011	0.01045	0.00000	0.00000	0.00180	0.00045	0.00000	0.00062	0.00717	0.01095	0.01842
39	0.00000	0.00068	0.00359	0.03202	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00007	0.00954	0.00000	0.00000	0.00139	0.00031	0.00000	0.00035	0.00717	0.01084	0.01965
40	0.00000	0.00049	0.00331	0.03357	0.00026	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00004	0.00868	0.00000	0.00000	0.00107	0.00021	0.00000	0.00019	0.00717	0.01072	0.02090
41	0.00000	0.00035	0.00306	0.03499	0.00019	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00003	0.00786	0.00000	0.00000	0.00081	0.00014	0.00000	0.00009	0.00717	0.01060	0.02218
42	0.00000	0.00025	0.00282	0.03622	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00002	0.00710	0.00000	0.00000	0.00061	0.00010	0.00000	0.00004	0.00717	0.01047	0.02346
43	0.00000	0.00017	0.00260	0.03723	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.00638	0.00000	0.00000	0.00045	0.00006	0.00000	0.00002	0.00716	0.01035	0.02474
44	0.00000	0.00012	0.00240	0.03797	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00572	0.00000	0.00000	0.00033	0.00004	0.00000	0.00001	0.00715	0.01022	0.02600
45	0.00000	0.00008	0.00221	0.03838	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00511	0.00000	0.00000	0.00024	0.00003	0.00000	0.00000	0.00713	0.01009	0.02723
46	0.00000	0.00005	0.00204	0.03842	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00454	0.00000	0.00000	0.00017	0.00002	0.00000	0.00000	0.00712	0.00995	0.02840
47	0.00000	0.00004	0.00188	0.03805	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00403	0.00000	0.00000	0.00012	0.00001	0.00000	0.00000	0.00710	0.00982	0.02949
48	0.00000	0.00002	0.00174	0.03725	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00355	0.00000	0.00000	0.00008	0.00001	0.00000	0.00000	0.00708	0.00968	0.03049
49	0.00000	0.00001	0.00160	0.03599	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00313	0.00000	0.00000	0.00006	0.00000	0.00000	0.00000	0.00706	0.00954	0.03136
50	0.00000	0.00001	0.00148	0.03428	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00274	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00704	0.00940	0.03208
51	0.00000	0.00001	0.00136	0.03215	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00239	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00702	0.00926	0.03262
52	0.00000	0.00000	0.00126	0.02962	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00208	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00699	0.00912	0.03296
53	0.00000	0.00000	0.00116	0.02677	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00180	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00696	0.00898	0.03307
54	0.00000	0.00000	0.00107	0.02369	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00155	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00693	0.00884	0.03293

55		0.00000	0.00000	0.00098	0.02048	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00133	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00690	0.00870	0.03252
56		0.00000	0.00000	0.00091	0.01724	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00114	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00687	0.00856	0.03182
57		0.00000	0.00000	0.00084	0.01411	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00097	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00683	0.00842	0.03084
58		0.00000	0.00000	0.00077	0.01119	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00083	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00680	0.00828	0.02957
59		0.00000	0.00000	0.00071	0.00857	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00676	0.00814	0.02802
60		0.00000	0.00000	0.00066	0.00632	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00059	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00673	0.00800	0.02622
61		0.00000	0.00000	0.00061	0.00446	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00669	0.00786	0.02420
62		0.00000	0.00000	0.00056	0.00301	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00041	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00665	0.00772	0.02200
63		0.00000	0.00000	0.00052	0.00192	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00661	0.00759	0.01968
64		0.00000	0.00000	0.00048	0.00116	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00028	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00656	0.00745	0.01729
65		0.00000	0.00000	0.00044	0.00066	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00652	0.00732	0.01490
66		0.00000	0.00000	0.00040	0.00035	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00019	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00648	0.00719	0.01257
67		0.00000	0.00000	0.00037	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00643	0.00706	0.01037
68		0.00000	0.00000	0.00034	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00639	0.00693	0.00834
69		0.00000	0.00000	0.00032	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00634	0.00680	0.00653
70		0.00000	0.00000	0.00029	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00630	0.00667	0.00496
71		0.00000	0.00000	0.00027	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00625	0.00655	0.00365
72		0.00000	0.00000	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00620	0.00642	0.00259
73		0.00000	0.00000	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00615	0.00630	0.00177
74		0.00000	0.00000	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00611	0.00618	0.00116
75		0.00000	0.00000	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00606	0.00606	0.00073
76		0.00000	0.00000	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00601	0.00594	0.00043
77		0.00000	0.00000	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00596	0.00583	0.00024
78		0.00000	0.00000	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00591	0.00571	0.00013
79		0.00000	0.00000	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00586	0.00560	0.00006
80		0.00000	0.00000	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00581	0.00549	0.00003
81		0.00000	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00576	0.00538	0.00001

Given Yr	SL Depr	Fraction of Original Plant Depreciating Away in Given Year																						
1	1.0000	0.11417	0.12675	0.21524	0.02789	0.21330	0.22546	0.13812	0.26108	0.12814	0.12729	0.16970	0.13411	0.14453	0.10199	0.13823	0.11718	0.11953	0.13353	0.11904	0.08474	0.02684	0.04418	0.02407
2	0.5000	0.11014	0.10612	0.13753	0.02771	0.14511	0.16789	0.13234	0.19995	0.11707	0.11633	0.13160	0.11383	0.11975	0.08283	0.12577	0.10753	0.10048	0.11135	0.10915	0.07871	0.02255	0.03733	0.02392
3	0.3333	0.10519	0.09326	0.10170	0.02756	0.11145	0.13320	0.12477	0.15515	0.10753	0.10691	0.10958	0.10090	0.10388	0.07239	0.11473	0.09946	0.08875	0.09739	0.10084	0.07416	0.02042	0.03365	0.02380
4	0.2500	0.09950	0.08309	0.07966	0.02741	0.08944	0.10704	0.11576	0.11828	0.09832	0.09783	0.09319	0.09040	0.09117	0.06489	0.10395	0.09178	0.07954	0.08629	0.09292	0.07006	0.01893	0.03105	0.02369
5	0.2000	0.09309	0.07438	0.06442	0.02727	0.07335	0.08593	0.10534	0.08773	0.08918	0.08882	0.07986	0.08112	0.08021	0.05889	0.09320	0.08422	0.07166	0.07675	0.08510	0.06615	0.01778	0.02899	0.02358
6	0.1667	0.08595	0.06662	0.05318	0.02711	0.06089	0.06848	0.09355	0.06296	0.08008	0.07984	0.06855	0.07262	0.07046	0.05381	0.08247	0.07670	0.06465	0.06826	0.07733	0.06233	0.01682	0.02726	0.02347
7	0.1429	0.07810	0.05960	0.04453	0.02696	0.05090	0.05399	0.08053	0.04352	0.07103	0.07093	0.05876	0.06470	0.06168	0.04938	0.07185	0.06923	0.05830	0.06058	0.06960	0.05857	0.01600	0.02576	0.02335
8	0.1250	0.06957	0.05318	0.03770	0.02679	0.04272	0.04201	0.06656	0.02887	0.06213	0.06214	0.05021	0.05726	0.05373	0.04541	0.06148	0.06183	0.05248	0.05358	0.06196	0.05483	0.01527	0.02442	0.02323
9	0.1111	0.06049	0.04729	0.03219	0.02662	0.03592	0.03221	0.05219	0.01832	0.05347	0.05359	0.04271	0.05027	0.04653	0.04182	0.05150	0.05457	0.04712	0.04719	0.05446	0.05112	0.01461	0.02321	0.02311
10	0.1000	0.05103	0.04188	0.02767	0.02644	0.03022	0.02429	0.03819	0.01108	0.04517	0.04540	0.03614	0.04372	0.04003	0.03854	0.04211	0.04751	0.04217	0.04136	0.04719	0.04745	0.01402	0.02210	0.02299
11	0.0909	0.04147	0.03692	0.02392	0.02625	0.02541	0.01801	0.02551	0.00636	0.03737	0.03767	0.03038	0.03761	0.03420	0.03552	0.03349	0.04074	0.03761	0.03605	0.04024	0.04381	0.01347	0.02108	0.02285
12	0.0833	0.03216	0.03239	0.02077	0.02605	0.02133	0.01310	0.01512	0.00346	0.03019	0.03054	0.02538	0.03196	0.02899	0.03272	0.02580	0.03434	0.03340	0.03124	0.03369	0.04022	0.01295	0.02013	0.02272
13	0.0769	0.02353	0.02827	0.01811	0.02584	0.01787	0.00934	0.00765	0.00177	0.02373	0.02411	0.02104	0.02680	0.02438	0.03013	0.01915	0.02839	0.02954	0.02690	0.02764	0.03670	0.01247	0.01923	0.02257
14	0.0714	0.01601	0.02453	0.01585	0.02562	0.01493	0.00653	0.00314	0.00085	0.01809	0.01847	0.01731	0.02214	0.02032	0.02772	0.01364	0.02296	0.02600	0.02301	0.02216	0.03326	0.01202	0.01839	0.02242
15	0.0667	0.00995	0.02116	0.01391	0.02539	0.01244	0.00447	0.00098	0.00038	0.01332	0.01368	0.01413	0.01799	0.01679	0.02547	0.00925	0.01813	0.02277	0.01954	0.01731	0.02992	0.01159	0.01760	0.02227
16	0.0625	0.00551	0.01815	0.01224	0.02514	0.01033	0.00299	0.00021	0.00016	0.00942	0.00975	0.01143	0.01435	0.01374	0.02338	0.00594	0.01393	0.01985	0.01648	0.01314	0.02671	0.01119	0.01685	0.02210
17	0.0588	0.00265	0.01546	0.01079	0.02488	0.00854	0.00195	0.00003	0.00006	0.00638	0.00665	0.00917	0.01123	0.01114	0.02143	0.00358	0.01039	0.01721	0.01379	0.00965	0.02363	0.01080	0.01614	0.02193
18	0.0556	0.00106	0.01308	0.00954	0.02460	0.00703	0.00124	0.00000	0.00002	0.00410	0.00432	0.00729	0.00859	0.00894	0.01961	0.00201	0.00748	0.01483	0.01146	0.00684	0.02072	0.01043	0.01547	0.02175
19	0.0526	0.00034	0.01100	0.00845	0.02431	0.00577	0.00077	0.00000	0.00001	0.00249	0.00266	0.00574	0.00642	0.00710	0.01792	0.00104	0.00519	0.01271	0.00944	0.00465	0.01798	0.01008	0.01482	0.02156
20	0.0500	0.00008	0.00918	0.00750	0.02400	0.00471	0.00047	0.00000	0.00000	0.00142	0.00153	0.00447	0.00467	0.00557	0.01634	0.00049	0.00345	0.01083	0.00771	0.00302	0.01543	0.00974	0.01421	0.02136
21	0.0476	0.00001	0.00760	0.00666	0.02367	0.00382	0.00028	0.00000	0.00000	0.00075	0.00082	0.00345	0.00330	0.00433	0.01488	0.00021	0.00219	0.00918	0.00624	0.00186	0.01308	0.00941	0.01362	0.02115
22	0.0455	0.00000	0.00625	0.00593	0.02332	0.00309	0.00016	0.00000	0.00000	0.00037	0.00041	0.00264	0.00226	0.00332	0.01352	0.00008	0.00131	0.00772	0.00501	0.00109	0.01095	0.00910	0.01306	0.02093
23	0.0435	0.00000	0.00510	0.00528	0.02295	0.00248	0.00009	0.00000	0.00000	0.00018	0.00019	0.00199	0.00149	0.00252	0.01227	0.00002	0.00074	0.00646	0.00398	0.00059	0.00904	0.00880	0.01252	0.02070
24	0.0417	0.00000	0.00413	0.00471	0.02256	0.00198	0.00005	0.00000	0.00000	0.00006	0.00008	0.00149	0.00095	0.00189	0.01110	0.00001	0.00039	0.00536	0.00314	0.00030	0.00735	0.00851	0.01201	0.02046
25	0.0400	0.00000	0.00331	0.00421	0.02215	0.00158	0.00002	0.00000	0.00000	0.00002	0.00003	0.00110	0.00058	0.00140	0.01003	0.00000	0.00019	0.00442	0.00245	0.00014	0.00588	0.00822	0.01151	0.02021
26	0.0385	0.00000	0.00263	0.00376	0.02171	0.00124	0.00001	0.00000	0.00000	0.00001	0.00001	0.00080	0.00034	0.00102	0.00904	0.00000	0.00009	0.00362	0.00189	0.00006	0.00462	0.00795	0.01104	0.01994
27	0.0370	0.00000	0.00208	0.00337	0.02125	0.00098	0.00001	0.00000	0.00000	0.00000	0.00000	0.00058	0.00019	0.00074	0.00813	0.00000	0.00004	0.00295	0.00144	0.00002	0.00357	0.00769	0.01058	0.01966
28	0.0357	0.00000	0.00162	0.00301	0.02076	0.00076	0.00000	0.00000	0.00000	0.00000	0.00000	0.00041	0.00010	0.00052	0.00730	0.00000	0.00001	0.00238	0.00109	0.00001	0.00269	0.00743	0.01015	0.01936
29	0.0345	0.00000	0.00126	0.00270	0.02025	0.00059	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029	0.00005	0.00037	0.00653	0.00000	0.00000	0.00191	0.00082	0.00000	0.00199	0.00718	0.00973	0.01906
30	0.0333	0.00000	0.00097	0.00242	0.01971	0.00045	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00002	0.00026	0.00583	0.00000	0.00000	0.00152	0.00060	0.00000	0.00144	0.00694	0.00932	0.01873
31	0.0323	0.00000	0.00073	0.00218	0.01913	0.00035	0.00000	0.00000	0.00000	0.00000	0.00000	0.00014	0.00001	0.00017	0.00520	0.00000	0.00000	0.00120	0.00044	0.00000	0.00101	0.00670	0.00893	0.01839
32	0.0313	0.00000	0.00055	0.00195	0.01853	0.00026	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00012	0.00462	0.00000	0.00000	0.00093	0.00032	0.00000	0.00069	0.00648	0.00856	0.01803
33	0.0303	0.00000	0.00041	0.00176	0.01790	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00008	0.00409	0.00000	0.00000	0.00073	0.00023	0.00000	0.00046	0.00625	0.00820	0.01766
34	0.0294	0.00000	0.00030	0.00158	0.01724	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00005	0.00362	0.00000	0.00000	0.00056	0.00016	0.00000	0.00029	0.00604	0.00785	0.01727
35	0.0286	0.00000	0.00022	0.00142	0.01655	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00003	0.00319	0.00000	0.00000	0.00043	0.00011	0.00000	0.00018	0.00583	0.00752	0.01686
36	0.0278	0.00000	0.00016	0.00128	0.01583	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00002	0.00281	0.00000	0.00000	0.00032	0.00008	0.00000	0.00011	0.00563	0.00720	0.01643
37	0.0270	0.00000	0.00011	0.00115	0.01508	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.00246	0.00000	0.00000	0.00024	0.00005	0.00000	0.00006	0.00543	0.00689	0.01598
38	0.0263	0.00000	0.00008	0.00104	0.01430	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.00216	0.00000	0.00000	0.00018	0.00003	0.00000	0.00003	0.00523	0.00659	0.01552
39	0.0256	0.00000	0.00006	0.00094	0.01350	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00188	0.00000	0.00000	0.00013	0.00002	0.00000	0.00002	0.00504	0.00630	0.01503
40	0.0250	0.00000	0.00004	0.00084	0.01268	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00164	0.00000	0.00000	0.00010	0.00001	0.00000	0.00001	0.00486	0.00602	0.01453
41	0.0244	0.00000	0.00003	0.00076	0.01184	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00142	0.00000	0.00000	0.00007	0.00001	0.00000	0.00000	0.00468	0.00576	0.01401
42	0.0238	0.00000	0.00002	0.00069	0.01099	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00123	0.00000	0.00000	0.00005	0.00001	0.00000	0.00000	0.00451	0.00550	0.01347
43	0.0233	0.00000	0.00001	0.00062	0.01013	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00108	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00434	0.00525	0.01291
44	0.0227	0.00000	0.00001	0.00056	0.00926	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00091	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00417	0.00501	0.01233

45	0.0222	0.00000	0.00000	0.00050	0.00840	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00078	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00401	0.00477	0.01174
46	0.0217	0.00000	0.00000	0.00045	0.00755	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00067	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00385	0.00455	0.01114
47	0.0213	0.00000	0.00000	0.00041	0.00671	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00057	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00369	0.00433	0.01052
48	0.0208	0.00000	0.00000	0.00037	0.00590	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00048	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00354	0.00413	0.00989
49	0.0204	0.00000	0.00000	0.00033	0.00513	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00041	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00339	0.00392	0.00926
50	0.0200	0.00000	0.00000	0.00030	0.00439	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00325	0.00373	0.00862
51	0.0196	0.00000	0.00000	0.00027	0.00371	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00311	0.00354	0.00798
52	0.0192	0.00000	0.00000	0.00025	0.00307	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00024	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00297	0.00336	0.00734
53	0.0189	0.00000	0.00000	0.00022	0.00251	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00284	0.00318	0.00670
54	0.0185	0.00000	0.00000	0.00020	0.00200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00271	0.00301	0.00608
55	0.0182	0.00000	0.00000	0.00018	0.00156	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00258	0.00285	0.00547
56	0.0179	0.00000	0.00000	0.00016	0.00119	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00245	0.00269	0.00488
57	0.0175	0.00000	0.00000	0.00015	0.00088	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00233	0.00254	0.00431
58	0.0172	0.00000	0.00000	0.00013	0.00063	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00221	0.00239	0.00377
59	0.0169	0.00000	0.00000	0.00012	0.00044	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00209	0.00225	0.00326
60	0.0167	0.00000	0.00000	0.00011	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00198	0.00211	0.00278
61	0.0164	0.00000	0.00000	0.00009	0.00019	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00187	0.00198	0.00235
62	0.0161	0.00000	0.00000	0.00008	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00176	0.00185	0.00195
63	0.0159	0.00000	0.00000	0.00008	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00165	0.00172	0.00159
64	0.0156	0.00000	0.00000	0.00007	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00154	0.00160	0.00128
65	0.0154	0.00000	0.00000	0.00006	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00144	0.00149	0.00101
66	0.0152	0.00000	0.00000	0.00005	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00134	0.00137	0.00078
67	0.0149	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00124	0.00127	0.00059
68	0.0147	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00115	0.00116	0.00044
69	0.0145	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00105	0.00106	0.00031
70	0.0143	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00096	0.00098	0.00022
71	0.0141	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00087	0.00087	0.00015
72	0.0139	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00078	0.00077	0.00010
73	0.0137	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00068	0.00006
74	0.0135	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00061	0.00060	0.00004
75	0.0133	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00053	0.00051	0.00002
76	0.0132	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00045	0.00043	0.00001
77	0.0130	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00037	0.00035	0.00001
78	0.0128	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029	0.00028	0.00000
79	0.0127	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00022	0.00021	0.00000
80	0.0125	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00014	0.00014	0.00000
81	0.0123	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00007	0.00000

Given Yr	Average Net Investment in Given Year																					
1	0.94291	0.93662	0.89238	0.98605	0.89335	0.88727	0.93094	0.86947	0.93593	0.93636	0.91515	0.93295	0.92774	0.94901	0.93088	0.94141	0.94024	0.93323	0.94048	0.95763	0.98668	0.97791	0.98797
2	0.83076	0.82019	0.71600	0.95825	0.71415	0.69059	0.79571	0.63896	0.81332	0.81454	0.76450	0.80898	0.79560	0.85660	0.79888	0.82905	0.83023	0.81079	0.82639	0.87590	0.96208	0.93716	0.96397
3	0.72310	0.72050	0.59639	0.93061	0.58587	0.54005	0.66715	0.46142	0.70102	0.70292	0.64391	0.70161	0.68378	0.77899	0.67863	0.72556	0.73562	0.70642	0.72139	0.79947	0.94059	0.90167	0.94011
4	0.62075	0.63233	0.50571	0.90312	0.48543	0.41993	0.54689	0.32471	0.59810	0.60055	0.54253	0.60596	0.58625	0.71035	0.56929	0.62093	0.65147	0.61458	0.62451	0.72736	0.92092	0.86931	0.91636
5	0.52445	0.55359	0.43366	0.87578	0.40403	0.32344	0.43634	0.22170	0.50435	0.50723	0.45600	0.52020	0.50056	0.64846	0.47071	0.54193	0.57588	0.53307	0.53550	0.65925	0.90256	0.83929	0.89273
6	0.43493	0.48309	0.37486	0.84859	0.33691	0.24623	0.33689	0.14636	0.41972	0.42290	0.38180	0.44333	0.42523	0.59210	0.38287	0.46147	0.50772	0.46057	0.45428	0.59501	0.88526	0.81117	0.86920
7	0.35291	0.41998	0.32601	0.82156	0.28102	0.18499	0.24985	0.09312	0.34417	0.34752	0.31814	0.37467	0.35915	0.54051	0.30571	0.38851	0.44624	0.39615	0.38082	0.53456	0.86885	0.78466	0.84579
8	0.27907	0.36359	0.28489	0.79468	0.23420	0.13699	0.17631	0.05692	0.27759	0.28098	0.26366	0.31368	0.30145	0.49312	0.23904	0.32297	0.39085	0.33908	0.31504	0.47786	0.85322	0.75957	0.82250
9	0.21405	0.31336	0.24994	0.76798	0.19488	0.09988	0.11693	0.03333	0.21979	0.22311	0.21719	0.25992	0.25132	0.44950	0.18255	0.26477	0.34104	0.28869	0.25683	0.42488	0.83828	0.73575	0.79932
10	0.15829	0.26878	0.22001	0.74145	0.16181	0.07163	0.07175	0.01863	0.17046	0.17362	0.17777	0.21292	0.20804	0.40932	0.13575	0.21373	0.29640	0.24442	0.20600	0.37560	0.82397	0.71309	0.77628
11	0.11204	0.22938	0.19422	0.71510	0.13399	0.05048	0.03990	0.00991	0.12919	0.13209	0.14451	0.17226	0.17092	0.37229	0.09795	0.16961	0.25651	0.20572	0.16228	0.32997	0.81022	0.69150	0.75336
12	0.07523	0.19472	0.17188	0.68895	0.11062	0.03493	0.01958	0.00500	0.09541	0.09799	0.11663	0.13747	0.13933	0.33817	0.06830	0.13207	0.22100	0.17208	0.12532	0.28795	0.79702	0.67090	0.73057
13	0.04738	0.16439	0.15244	0.66300	0.09102	0.02371	0.00819	0.00238	0.06845	0.07066	0.09342	0.10809	0.11264	0.30674	0.04583	0.10071	0.18953	0.14301	0.09465	0.24949	0.78430	0.65122	0.70793
14	0.02761	0.13799	0.13546	0.63726	0.07461	0.01577	0.00279	0.00107	0.04754	0.04937	0.07425	0.08362	0.09030	0.27782	0.02943	0.07503	0.16176	0.11806	0.06975	0.21451	0.77206	0.63240	0.68543
15	0.01463	0.11514	0.12058	0.61176	0.06093	0.01027	0.00073	0.00045	0.03184	0.03330	0.05853	0.06355	0.07174	0.25123	0.01799	0.05449	0.13738	0.09678	0.05002	0.18292	0.76025	0.61441	0.66309
16	0.00690	0.09548	0.10751	0.58649	0.04954	0.00655	0.00014	0.00018	0.02047	0.02158	0.04575	0.04738	0.05648	0.22880	0.01040	0.03845	0.11607	0.07677	0.03480	0.15460	0.74886	0.59718	0.64091
17	0.00282	0.07868	0.09600	0.56148	0.04011	0.00408	0.00002	0.00007	0.01257	0.01338	0.03545	0.03459	0.04403	0.20440	0.00564	0.02629	0.09754	0.06363	0.02341	0.12943	0.73786	0.58068	0.61889
18	0.00097	0.06441	0.08583	0.53674	0.03232	0.00248	0.00000	0.00002	0.00733	0.00789	0.02722	0.02468	0.03400	0.18388	0.00284	0.01736	0.08152	0.05101	0.01516	0.10726	0.72724	0.56488	0.59705
19	0.00027	0.05237	0.07683	0.51229	0.02592	0.00147	0.00000	0.00001	0.00404	0.00440	0.02070	0.01718	0.02598	0.16512	0.00132	0.01102	0.06774	0.04056	0.00942	0.08791	0.71699	0.54973	0.57540
20	0.00006	0.04228	0.06886	0.48813	0.02068	0.00085	0.00000	0.00000	0.00208	0.00230	0.01560	0.01164	0.01964	0.14799	0.00056	0.00670	0.05597	0.03199	0.00559	0.07121	0.70708	0.53522	0.55394
21	0.00001	0.03389	0.06178	0.46430	0.01641	0.00048	0.00000	0.00000	0.00100	0.00112	0.01164	0.00765	0.01469	0.13238	0.00021	0.00388	0.04596	0.02502	0.00315	0.05696	0.69750	0.52130	0.53269
22	0.00000	0.02696	0.05549	0.44080	0.01296	0.00026	0.00000	0.00000	0.00044	0.00051	0.00859	0.00488	0.01086	0.11818	0.00007	0.00213	0.03751	0.01939	0.00167	0.04494	0.68824	0.50796	0.51164
23	0.00000	0.02129	0.04988	0.41766	0.01017	0.00014	0.00000	0.00000	0.00018	0.00021	0.00628	0.00300	0.00794	0.10528	0.00002	0.00110	0.03042	0.01490	0.00083	0.03494	0.67929	0.49517	0.49083
24	0.00000	0.01668	0.04489	0.39490	0.00794	0.00007	0.00000	0.00000	0.00006	0.00008	0.00454	0.00178	0.00573	0.09360	0.00001	0.00053	0.02451	0.01134	0.00039	0.02674	0.67064	0.48290	0.47025
25	0.00000	0.01296	0.04043	0.37254	0.00616	0.00004	0.00000	0.00000	0.00002	0.00003	0.00325	0.00101	0.00409	0.08303	0.00000	0.00024	0.01962	0.00855	0.00017	0.02012	0.66228	0.47114	0.44991
26	0.00000	0.00999	0.03644	0.35061	0.00475	0.00002	0.00000	0.00000	0.00001	0.00001	0.00229	0.00055	0.00288	0.07350	0.00000	0.00010	0.01559	0.00638	0.00007	0.01487	0.65419	0.45987	0.42984
27	0.00000	0.00763	0.03288	0.32913	0.00364	0.00001	0.00000	0.00000	0.00000	0.00000	0.00160	0.00028	0.00200	0.06491	0.00000	0.00004	0.01231	0.00472	0.00002	0.01077	0.64637	0.44905	0.41004
28	0.00000	0.00578	0.02969	0.30812	0.00277	0.00000	0.00000	0.00000	0.00000	0.00000	0.00111	0.00014	0.00137	0.05720	0.00000	0.00001	0.00964	0.00345	0.00001	0.00784	0.63882	0.43869	0.39053
29	0.00000	0.00434	0.02683	0.28761	0.00210	0.00000	0.00000	0.00000	0.00000	0.00000	0.00076	0.00006	0.00093	0.05029	0.00000	0.00000	0.00750	0.00250	0.00000	0.00530	0.63151	0.42875	0.37132
30	0.00000	0.00323	0.02427	0.26763	0.00157	0.00000	0.00000	0.00000	0.00000	0.00000	0.00051	0.00003	0.00062	0.04411	0.00000	0.00000	0.00579	0.00179	0.00000	0.00359	0.62445	0.41922	0.35243
31	0.00000	0.00238	0.02197	0.24822	0.00117	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034	0.00001	0.00041	0.03859	0.00000	0.00000	0.00444	0.00126	0.00000	0.00236	0.61763	0.41009	0.33387
32	0.00000	0.00174	0.01991	0.22938	0.00087	0.00000	0.00000	0.00000	0.00000	0.00000	0.00022	0.00000	0.00026	0.03368	0.00000	0.00000	0.00337	0.00088	0.00000	0.00151	0.61104	0.40135	0.31565
33	0.00000	0.00125	0.01805	0.21117	0.00064	0.00000	0.00000	0.00000	0.00000	0.00000	0.00014	0.00000	0.00017	0.02933	0.00000	0.00000	0.00254	0.00061	0.00000	0.00094	0.60467	0.39297	0.29781
34	0.00000	0.00090	0.01638	0.19360	0.00047	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00010	0.02547	0.00000	0.00000	0.00190	0.00042	0.00000	0.00057	0.59853	0.38494	0.28034
35	0.00000	0.00064	0.01488	0.17671	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00006	0.02206	0.00000	0.00000	0.00141	0.00028	0.00000	0.00033	0.59259	0.37725	0.26328

36	0.00000	0.00044	0.01353	0.16052	0.00024	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00004	0.01906	0.00000	0.00000	0.00103	0.00019	0.00000	0.00018	0.58886	0.36989	0.24663
37	0.00000	0.00031	0.01232	0.14507	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00002	0.01642	0.00000	0.00000	0.00075	0.00012	0.00000	0.00010	0.58134	0.36285	0.23043
38	0.00000	0.00021	0.01122	0.13038	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.01411	0.00000	0.00000	0.00054	0.00008	0.00000	0.00005	0.57601	0.35611	0.21467
39	0.00000	0.00014	0.01024	0.11647	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00001	0.01210	0.00000	0.00000	0.00039	0.00005	0.00000	0.00002	0.57087	0.34967	0.19940
40	0.00000	0.00010	0.00935	0.10338	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01034	0.00000	0.00000	0.00027	0.00003	0.00000	0.00001	0.56592	0.34350	0.18462
41	0.00000	0.00006	0.00854	0.09112	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00881	0.00000	0.00000	0.00019	0.00002	0.00000	0.00001	0.56115	0.33762	0.17035
42	0.00000	0.00004	0.00782	0.07970	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00749	0.00000	0.00000	0.00013	0.00001	0.00000	0.00000	0.55655	0.33199	0.15661
43	0.00000	0.00003	0.00717	0.06914	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00635	0.00000	0.00000	0.00009	0.00001	0.00000	0.00000	0.55213	0.32662	0.14342
44	0.00000	0.00002	0.00658	0.05944	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00538	0.00000	0.00000	0.00006	0.00000	0.00000	0.00000	0.54788	0.32149	0.13080
45	0.00000	0.00001	0.00605	0.05061	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00452	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.54379	0.31660	0.11877
46	0.00000	0.00001	0.00557	0.04264	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00380	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.53986	0.31194	0.10733
47	0.00000	0.00000	0.00514	0.03551	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00318	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.53609	0.30750	0.09650
48	0.00000	0.00000	0.00475	0.02921	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00266	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.53247	0.30327	0.08629
49	0.00000	0.00000	0.00440	0.02369	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00221	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.52901	0.29924	0.07672
50	0.00000	0.00000	0.00408	0.01893	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00183	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.52568	0.29542	0.06778
51	0.00000	0.00000	0.00379	0.01489	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00152	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.52250	0.29178	0.05949
52	0.00000	0.00000	0.00353	0.01150	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00125	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.51946	0.28833	0.05183
53	0.00000	0.00000	0.00330	0.00871	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00103	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.51656	0.28506	0.04481
54	0.00000	0.00000	0.00309	0.00645	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00085	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.51378	0.28196	0.03842
55	0.00000	0.00000	0.00290	0.00467	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00069	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.51114	0.27903	0.03265
56	0.00000	0.00000	0.00273	0.00330	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00056	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50863	0.27626	0.02748
57	0.00000	0.00000	0.00258	0.00226	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00046	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50623	0.27364	0.02288
58	0.00000	0.00000	0.00244	0.00150	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00037	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50396	0.27118	0.01885
59	0.00000	0.00000	0.00232	0.00097	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.50181	0.26885	0.01533
60	0.00000	0.00000	0.00221	0.00060	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49978	0.26667	0.01231
61	0.00000	0.00000	0.00211	0.00036	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49786	0.26463	0.00975
62	0.00000	0.00000	0.00202	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49604	0.26272	0.00760
63	0.00000	0.00000	0.00194	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49434	0.26093	0.00583
64	0.00000	0.00000	0.00187	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49274	0.25927	0.00439
65	0.00000	0.00000	0.00180	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.49125	0.25772	0.00325
66	0.00000	0.00000	0.00175	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48986	0.25629	0.00235
67	0.00000	0.00000	0.00170	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48857	0.25497	0.00166
68	0.00000	0.00000	0.00165	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48737	0.25375	0.00115
69	0.00000	0.00000	0.00161	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48627	0.25264	0.00077
70	0.00000	0.00000	0.00158	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48526	0.25163	0.00051
71	0.00000	0.00000	0.00155	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48435	0.25072	0.00032
72	0.00000	0.00000	0.00153	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48352	0.24990	0.00020
73	0.00000	0.00000	0.00150	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48278	0.24917	0.00012
74	0.00000	0.00000	0.00149	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48212	0.24853	0.00007
75	0.00000	0.00000	0.00147	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48155	0.24798	0.00004
76	0.00000	0.00000	0.00146	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48106	0.24751	0.00003
77	0.00000	0.00000	0.00145	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48065	0.24711	0.00002
78	0.00000	0.00000	0.00144	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48032	0.24679	0.00001
79	0.00000	0.00000	0.00143	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.48006	0.24655	0.00001
80	0.00000	0.00000	0.00143	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.47988	0.24638	0.00001
81	0.00000	0.00000	0.00143	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.47977	0.24628	0.00001

Pseudo-IRS Accelerated Depreciation Schedules -- Beginning of Year Placing Convention

Year	Category 1 3 Year	Category 2 5 Year	Category 3 7 Year	Category 4 10 Year	Category 5 15 Year	Category 6 20 Year	Category 7 31.5 Year
1	0.59870	0.36380	0.26090	0.18320	0.09490	0.07120	0.03175
2	0.27780	0.26000	0.21430	0.16500	0.09130	0.07000	0.03175
3	0.12350	0.15600	0.15310	0.13200	0.08210	0.06482	0.03175
4	-	0.11010	0.10930	0.10560	0.07390	0.05996	0.03175
5	-	0.11010	0.08750	0.08450	0.06650	0.05546	0.03175
6	-	-	0.08740	0.06760	0.05990	0.05130	0.03175
7	-	-	0.08750	0.06550	0.05900	0.04746	0.03175
8	-	-	-	0.06550	0.05910	0.04460	0.03175
9	-	-	-	0.06560	0.05900	0.04460	0.03175
10	-	-	-	0.06550	0.05910	0.04460	0.03175
11	-	-	-	-	0.05900	0.04460	0.03175
12	-	-	-	-	0.05910	0.04460	0.03175
13	-	-	-	-	0.05900	0.04460	0.03175
14	-	-	-	-	0.05910	0.04460	0.03175
15	-	-	-	-	0.05900	0.04460	0.03175
16	-	-	-	-	-	0.04460	0.03175
17	-	-	-	-	-	0.04460	0.03175
18	-	-	-	-	-	0.04460	0.03175
19	-	-	-	-	-	0.04460	0.03175
20	-	-	-	-	-	0.04460	0.03175
21	-	-	-	-	-	-	0.03175
22	-	-	-	-	-	-	0.03175
23	-	-	-	-	-	-	0.03175
24	-	-	-	-	-	-	0.03175
25	-	-	-	-	-	-	0.03175
26	-	-	-	-	-	-	0.03175
27	-	-	-	-	-	-	0.03175
28	-	-	-	-	-	-	0.03175
29	-	-	-	-	-	-	0.03175
30	-	-	-	-	-	-	0.03175
31	-	-	-	-	-	-	0.03175
32	-	-	-	-	-	-	0.01575
33	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-

35	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-

72	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-
81	-	-	-	-	-	-	-

EXPENSE MODULE INPUTS

January 7, 2003
9:51 AM

	User Inputs	Calculations
State	Arizona	
Company	Mountain Bell-Arizona	
Cost of Capital Inputs		
Cost of Debt	7.89%	
Debt fraction	47.57%	
Cost of Equity	11.32%	
Equity fraction		52.43%
Weighted equity fraction		63.41%
Overall Cost of Capital		9.61%
Traffic Inputs		
local DEMs, thousands	60,463,071	
intrastate DEMs, thousands	3,006,928	
interstate DEMs, thousands	12,266,000	75,735,999 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	9,107,701	6,375,391 Total local calls completed
Total IntraLATA calls completed	43,737	
Total InterLATA calls completed - Intrastate	190,590	
Total InterLATA calls completed - Interstate	1,249,539	
local DEM fraction	77.83%	
local interoffice traffic fraction	55.03%	
D link investment, per link	$ 835	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	0.9	residential DEMs/line 23188.20502
local direct-routed fraction	98.00%	business DEMs/line 31112.39442
tandem-routed IntraLATA fraction	20.00%	
tandem-routed access fraction	20.00%	
medmum trunk usage, CCS	27.5	
ISUP msgs per l/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	$ 100	
Switch line circuit offset per DLC line	$ -	
Total signaling links	507	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.97%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
business inquiry per line per month	$ 1.22	
directory listing per line per month	$ -	
forward-looking network operations factor	85.00%	
alternative CO switching factor	1.00%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	40.00%	
per-line monthly LNP cost	$ 0.32	
Carrier carrier customer service per line per year	$ 1.00	
NID expense per line per year	$ 1.00	
DS-1/DS-0 terminal factor	10.4	
DS-1/DS-3 terminal factor	9.0	
Average lines per subscriber location	1.00	

Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (Years)	BLS Depr. Category	Regulatory Depreciation Method (SL/EL/G)	ELG Curve Parameters: a	Log a	Log s
2110	Motor Vehicles	8.0	0.15	10.04	2	elg	1.8621688	-3.00000000E-02	3.53720000E-01
2115	Garage Work Equipment	13.7	-0.04	13.17	3	elg	1.0276647	##############	1.45524080E-01
2116	Other Work Equipment	11.3	0.01	10.87	3	elg	0	0.00000000E+00	-4.14413200E-02
2121	Buildings	43	-0.06	40.57	6	elg	1.4990682	-4.91004630E-03	1.77395000E-03
2122	Furniture	9.3	0	9.30	3	elg	0.9185408	##############	2.86908200E-02
2123.1	Office Support Equipmnt	7	0	7.00	3	elg	1.0201029	##############	1.6316108E-01
2123.2	Company Sorted Equipm	8.3	0	8.30	3	elg	1.0621808	-3.00000000E-02	4.85537150E-02
2124	Computers	5	0.05	5.26	2	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2212	Digital Switching	10	0.02	10.21	2	elg	1.1333974	-2.17455120E-01	2.39688400E-02
2220	Operator Systems	10.7	-0.03	10.39	2	elg	1.1333974	-2.17455120E-01	2.39688400E-02
2232.2	Digital Circuit Equipment	10	0.02	10.20	2	elg	1.0201029	-8.97443995E+00	1.6316108E-01
2351	Public Telephone	7.9	0.3	11.29	2	elg	1.102494	-3.34100410E-01	2.40118700E-02
	NID, SAI, Drop			11.81	5	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2411	Poles	48.4	-1.38	19.50	5	elg	1.0201029	-8.9744395E+00	1.6316108E-01
2421-nm	Aerial Cable - Metallic	18	0.27	9.49	5	elg	1.1333974	-2.17455120E-01	2.39688400E-02
2421-nm	Aerial Cable - Non-Metal	14.5	-0.27	11.42	5	elg	1.1333974	-2.17455120E-01	2.39688400E-02
2422-nm	Underground - Metallic	16	0.06	14.16	5	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2422-nm	Underground - Non-Metal	13.1	-0.06	12.36	5	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2423-nm	Buried - Metallic	12	0.01	11.81	5	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2423-nm	Buried - Non-Metallic	17.6	-0.07	18.45	5	elg	1.0276647	-5.71031278E+00	1.4552408E-01
2426-nm	Intrabuilding - Metallic	19	0	19.00	5	elg	0.96	-1.94406310E-01	-1.12518700E-01
2426-nm	Intrabuilding - Non-Metal	11.5	0	11.50	5	elg	0.96	-1.94406310E-01	-1.12518700E-01
2441	Conduit Systems	42.8	0.2	40.11	5	elg	1.4990682	-4.91004630E-03	1.77395000E-03

Accelerated Tax Depreciation: TRUE

MACRS Life (years)	ES Depr. Category
3.0	1
5.0	2
7.0	3
10.0	4
15.0	5
20.0	6
31.5	7

Structure fraction assigned to telephone

density range	dist aerial	dist buried	dist underground	fdr aerial	fdr underground	fdr buried
0-5	50%	50%	50%	50%	50%	50%
5-100	50%	50%	50%	50%	50%	50%
100-200	50%	50%	50%	50%	50%	50%
200-650	50%	50%	50%	50%	50%	50%
650-850	50%	50%	50%	50%	50%	50%
850-2550	50%	50%	50%	50%	50%	50%
2550-5000	50%	50%	50%	50%	50%	50%
5000-10000	50%	50%	50%	50%	50%	50%
>10000	50%	50%	50%	50%	50%	50%

Usage Calculations

Intrastate Toll DEMs	3,006,928,000
Interstate Toll DEMs	12,266,000,000
trunk port usage	75,180,275,136
trk-min/mo	10,044
InterLATA ded. trunks	122,987

Common Transport MOU		
Local	648,815,027	w/o OS usage
Intrastate Toll	601,385,600	
Interstate Toll	2,453,200,000	
	3,703,400,627	
Intrastate IntraLATA Calls	43,737	18.66% SOCCC message counts
Intrastate InterLATA Calls	190,590	81.34%
	234,327	

Calculation of EO Usage

Local DEMs, incl OS	60,463,071,000	79.8% of total DEMs		
Intraoffice Local DEMs	27,188,731,355			
Intraoffice Local Actual Min	13,594,365,677		**Dedicated Transport MOU**	
Interoffice Local Actual Min	33,274,339,645	per end	Local, w/o OS	15,895,968,171
Intrastate Toll Actual Min	3,006,928,000		IntraLATA Toll	224,496,554
Interstate Toll Actual Min	12,266,000,000		InterLATA Toll	14,823,934,892
	62,141,633,323			30,944,399,617
Tandem Switch MOU			Dedicated Trunk-SW	256,731
Local	324,407,514			
IntraLATA Toll	56,124,138			
InterLATA Toll	2,942,337,323			
	3,322,868,975			

Shared Transport Calculation		
Direct	16,120,464,725	82.91%
IXC	2,942,337,323	15.13%
Local Tandem	380,531,652	1.96%

AB
REGULATED

2000 COMPANY NAME: Qwest-Arizona RBOC 1

OTHER TAXES & UNCOLLECTIBLES CALCULATION		EXPENSES	NET REVENUES
7230	OPERATING STATE & LOCAL INCOME TAX-NET	16,049	
7240	OPERATING OTHER TAXES	73,908	
5300	UNCOLLECTIBLE REVENUES		27,912
530	NET REVENUES		1,723,097
	GROSS REVENUES (5300 + 530)		1,751,009
	UNCLL/GROSS REV		0.015941
(5300-4040(p..t))/(5081+520	UNCLL RETAIL RATE		2.24%
(4040(p))/(5082..5084)	UNCLL WHOLESALE RATE		0.09%

EXP	INV	PLANT SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. INVESTMENTS	C. EXP/INV (A/B)
		TPIS GENERAL SUPPORT			
	2111	2111 LAND		10,973	0.000000
	2121	2121 BUILDINGS		170,865	0
6121		TOTAL LAND & BUILDINGS	37,085	181,838	0.203945
6112	2112	2112 MOTOR VEHICLES	1,649	71,167	0.023171
6113	2113	2113 AIRCRAFT	11	0	#DIV/0!
6114	2114	2114 SPECIAL PURPOSE VEHICLES	839	32,609	0.025729
6115	2115	2115 GARAGE WORK EQUIPMENT	0	0	#DIV/0!
6116	2116	2116 OTHER WORK EQUIPMENT	0	0	#DIV/0!
6122	2122	2122 FURNITURE	5,039	1,993	2.528349
6123	2123	2123 OFFICE EQUIPMENT	5,997	12,897	0.464992
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	41,417	88,938	0.465694432
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	89,538	389,440	0.229914749
		TPIS - CENTRAL OFFICE SWITCHING			
		- -			
6211	2211	2211 ANALOG ELECT SWITCH	5,011	13,275	0.377476
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	23,445	985,074	0.023801258
6220	2220	2220 OPERATOR SYSTEMS	0	5,617	0
6210	2210	221022102210221022102210 CENTRAL OFFICE SWITCHCENTRAL OFFICE SWITCH	28,486	998,949	0.028533108
		TPIS - CENTRAL OFFICE TRANSMISSION			
		- -			
6232	2232	2232 CIRCUIT EQUIPMENT	22,498	1,442,053	0.015599981
6230	2230	2230 TRANSMISSION	23,148	1,476,813	0.015672939
		TPIS - INFORMATION ORIG/TERM			
		- -			
6311	2311	2311 STATION APPARATUS	12,951	31,984	0.405234
	2321	2321 CUSTOMER PREMISES WIRING		0	#VALUE!
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0	#DIV/0!
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	0	0	#DIV/0!
6362	2362	2362 OTHER TERMINAL EQUIPMENT	11,939	56,816	0.199574084
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	24,900	88,800	0.279648649
		TPIS - CABLE & WIRE FACILITIES			
		- -			
6411	2411	2411 POLES	279	49,179	0.005791
6421	2421	2421 AERIAL CABLE	24,738	182,563	0.135504
6422	2422	2422 UNDERGROUND CABLE	10,618	472,706	0.022462
6423	2423	2423 BURIED CABLE	135,100	1,381,560	0.097788
6441	2441	2441 CONDUIT SYSTEMS	1,888	348,037	0.005418984
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	175,422	2,485,504	0.070578
	240	240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	340,892	5,444,423	0.062613063

PLANT NON-SPECIFIC OPERATIONS EXPENSES		A. EXPENSES	B. TPIS INVESTMENT	C. EXP/INV (A/B)
=	=	=	=	=
6512	240	6512 PROVISIONING EXPENSES	573	5,444,423	0.000105
6531	240	6531 POWER EXPENSES	12,431	5,444,423	0.002283
6532	240	6532 NETWORK ADMINISTRATION	(258)	5,444,423	-0.000047
6533	240	6533 TESTING	26,290	5,444,423	0.004847
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	61,332	5,444,423	0.011265
6535	240	6535 ENGINEERING	5,347	5,444,423	0.000982
6540	240	6540 ACCESS EXPENSE	42,758	5,444,423	0.007855011
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	105,244	5,444,423	0.019330807
6561	240	65616561656165616561 DEPRECIATION -TPISDEPRECIATION -TPIS	362,984 362,984	5,444,423 5,444,423	0.066707930.066870793

NETWORK SUPPORT FACTOR CALCULATION		A. EXPENSES	B. CABLE & WIRE INV	C. EXP/INV (A/B)
=	=	=	=	=
6112		2112 MOTOR VEHICLES	1,649		
6113		2113 AIRCRAFT	11		
6114		2114 SPECIAL PURPOSE VEHICLES	839		
6115		2115 GARAGE WORK EQUIPMENT	0		
6116		2116 OTHER WORK EQUIPMENT	0		
	2410	TOTAL NETWORK SUPPORT (EXCL 2113)	2,488	2,485,504	0.001001004

CUSTOMER OPERATIONS EXPENSES		A. EXPENSES	B. NET REVENUES	C. EXP/NET REV (A/B)
=	=	=	=	=
6611		6611 PRODUCT MANAGEMENT	29,904	1,723,097	0.016774447
6612		6612 SALES	41,249	1,723,097	0.023939973
6613		6613 PRODUCT ADVERTISING	13,391	1,723,097	0.007771472
6610		6610 TOTAL MARKETING EXPENSES	83,544	1,723,097	0.048486792
6621		6621 CALL COMPLETION SERVICE	3,372	1,723,097	0.001956941
6622		6622 NUMBER SERVICES	14,524	1,723,097	0.008429009
6623		6623 CUSTOMER SERVICES	108,643	1,723,097	0.063051006
6620		6620 TOTAL SERVICES EXPENSES	126,539	1,723,097	0.073436957
*		700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	210,083	1,723,097	0.121921749

	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES	C. EXP/REV (A/B)
6711	6711 EXECUTIVE	19,739	1,751,009	0.011272929
6712	6712 PLANNING	989	1,751,009	0.000564817
6710	6710 TOTAL EXECUTIVE & PLANNING	20,728	1,751,009	0.011837746
6721	6721 ACCOUNTING & FINANCE	10,541	1,751,009	0.006019958
6722	6722 EXTERNAL RELATIONS	19,637	1,751,009	0.011214677
6723	6723 HUMAN RESOURCES	12,306	1,751,009	0.007027949
6724	6724 INFORMATION MANAGEMENT	86,071	1,751,009	0.049155087
6725	6725 LEGAL	8,961	1,751,009	0.005117621
6726	6726 PROCUREMENT	3,427	1,751,009	0.001957157
6727	6727 RESEARCH & DEVELOPMENT	13	1,751,009	7.42429E-06
6728	6729 OTHER GENERAL & ADMINISTRATIVE	67,023	1,751,009	0.038276788
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	207,979	1,751,009	0.11877666
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	228,707	1,751,009	0.130614406
	720 TOTAL OPERATING EXPENSES			
	DEM - LOCAL	60,463,072		
	DEM - INTRASTATE	3,006,928		
	DEM - INTERSTATE	12,266,000		
	MESSAGES - INTRALATA	43,737		
	MESSAGES - INTERLATA - Interstate	1,249,639		
	MESSAGES - INTERLATA - Intrastate	190590		
	LOCAL CALL ATTEMPTS	9,107,701		
	LINES - BUSINESS	867,806		
	RESIDENTIAL	2,063,039		
	PUBLIC	28,622		
	SPECIAL	890,526		
	TOTAL	3,849,993		
	5081 END USER		214,537	
	5082 SWITCHED ACCESS		191,900	
	5083 SPECIAL ACCESS		172,285	
	TOTAL INTER ACCESS		518,722	
	5084 END USER			
	5084 SWITCHED ACCESS			
	5084 SPECIAL ACCESS			
	STATE ACCESS		123,737	
	TOTAL ACCESS REVENUES		642,459	
	LD MESSAGE REVENUE			
	5100 INTERSTATE MESSAGE			
	5100 INTRASTATE MESSAGE			
	5100 INTERSTATE CALLING PLAN			
	5100 INTRASTATE CALLING PLAN			
	LD MSG REV (CLASS A)		20,239	
	UNIDIRECTIONAL LD			
	5110 INTERSTATE			
	INTRASTATE			
	TOTAL		3,295	
	5120 LD PRIVATE NETWORK		6	
	OTHER LD			
	5160 INTERSTATE			
	INTRASTATE			
	TOTAL		0	
	TOTAL LD NETWORK REVENUE			
	INTERSTATE			
	INTRASTATE			
	TOTAL		23,540	
	BASIC LOCAL SERVICE			
	5001 BASIC AREA		737,512	
	5002 OPTIONAL EXTEND AREA		0	
	5003 CELLAR MOBIL		0	
	5004 OTHER MOBIL SVC		0	
	TOTAL BASIC SVC		737,612	
	PUBLIC TELEPHONE REVENUE			
	5010 LOCAL PUBLIC MSG			
	UNIVERSAL			
	PB EXCHANGE IX CARRIER			
	CC COINLESS			
	PUBLIC EXH			
	SEMI-PUBLIC			
	OTHER PUBLIC PHONE REV			
	TOTAL PUBLIC PHONE REVENUE		0	
	5040 LOCAL PRIVATE LINE		(10)	
	CUSTOMER PREMISE			

	5050	STATION APP				
		CUSTOMER PREMISE WIRING				
		TOTAL CUSTOMER PREMISES			0	
		OTHER LOCAL EXCHANGE				
	5060	CO FEATURES				
		INFO TRANSPORT				
		DIRECTORY ASSIST				
		INTERCEPT SRVC				
		OTHER LOC EXCH				
		TOTAL OTHER			254,402	
		TOTAL LOCAL NETWORK SRVC REVENUE				
		INTERSTATE				
		INTRASTATE			992004	
		TOTAL REVENUE		1658003		
CAPITAL STRUCTURE PARAMETERS						
		DEBT/EQUITY RATIODEBT/EQUITY RATIODEBT/EQUITY RATIODEBT/EQUITY RATIODEBT/EQUITY RATIODEBT/EQUITY RATIO				
		COST OF DEBT				
		COST OF EQUITY				
			BALANCE SHEET 43-02,B-1 AVG=(ab+af)/2 A	ACCRUEL 43-02,B-5 (col 2C) B	DEPR LIFE (ASSUMING STRAIGHT LIFE) C = (A/C)	
		-	-	-	-	
		ECONOMIC LIFE				
(2422,21,22,23,41)		FEEDER				
(2422,21,22,23,41)		DISTRIBUTION				
	2121	BUILDINGS			170865	
	2232	DLC ELECTRONIC EQUIPMENT			1442053	
	2212	EO SWITCHING			985074	
	2212	TANDEM SWITCHING			985074	
	2220	OS POSITIONS			5517	
	2220	OS TANDEM			5517	
	2232	TRANSMISSION SYSTEMS			1442053	
	2351	PUBLIC TELEPHONE EQUIPMENT			0	
2122,2124		FURNITURE + GP COMPUTERS				
DATA SOURCE						
ARMIS 4303ARMIS 4303		Jan 2000 To Dec 2000Jan 2000 To Dec 2000Jan 2000 To Dec 2000Jan 2000 To Dec 2000Jan 2000 To Dec 2000Jan 2000 To Dec 2000				
ARMIS 4304		Qwest-Arizona				
ARMIS 4308		MSAZ	(EJ)	(EJ)		
DEM						
=		=	=	=	=	
UNCOLL RATE:		BA Lcl Svc	4303,Ln 520			992004
		LD Ntwk Svs Rev	4303,Ln 525			23540
		End User	4303,Ln 5081			214537
		Sw Acc	4303,Ln 5082			131900
		Spcl Acc	4303,Ln 5083			172285
		St Acc	4303,Ln 5084			129737
		Uncoll Rev	4303,Ln 5300			27912
		Tot Acc	4304,Ln4040 (P)			378
		B&C	4304,Ln4040 (Q)			0
		IX	4304,Ln4040 (R)			3
		Ln4040 (P+Q+R)	Calc (P+Q+R)			381
Unocll -Acc		5300-(4040p..r)	1a			27531
End User+ Revs		5081+520+525	1b			1230081
Unocll Retail Rate			1c=(a/b)			0.022381453
Unocll Wholesale rate		4040p/(5082..5084)	2a			0.000883339
=		=	=	=	=	
* REVENUE, EXP & INV DATA			4308 (DJ)	% to Total		
FROM THE 4303 WERE		Companies:	AccLns	Cosa Group		
?? DERIVED FROM TOT LINE						
?? RATIO FROM 4308						
??						
?? **LINES DERIVED USING						
?? ARMIS 4301 LINE DATA						
266 ?? CALLS DERIVED USING NECA						
267 DEM DATA		USWEST - CO				1
268						1
269 =		=	=	=	=	

Actuals for 1999 ($000s)

		Investments		Expenses	Calculated or User-defined factor	User-defined factor	
Plant-Specific Operations Expenses							
TPIS - General Support							
2111 Land	$	10,973	$	-	0.0276	0.0276	
2112 Motor Vehicles	$	71,167	$	1,649	0.0276	0.0276	
2113 Aircraft	$	0	$	11	0.0276	0.0276	
2114 Special Purpose Vehicles	$	32,609	$	839	0.0276	0.0276	
2115 Garage Work Equipment	$	0	$	-	0.0276	0.0276	
2116 Other Work Equipment	$	0	$	-	0.0276	0.0276	
2121 Buildings	$	170,865	$	37,085	0.0906	0.0906	Land & Bldg Exp Applied to Bldgs
2122 Furniture	$	1,993	$	5,039	0.0906	0.0906	
2123 Office Equipment	$	12,897	$	5,997	0.0906	0.0906	
2124 General Purpose Computers	$	88,936	$	41,417	0.0906	0.0906	
2110 Total Land & Support Assets	$	389,440	$	92,037	0.0528	0.0528	
TPIS - Central Office Switching							
2211 Analog Electronic Switching	$	13,275	$	5,011	0.0558	0.0558	
2212 Digital Electronic Switching	$	985,074	$	23,446	0.0558	0.0558	
2210 Total Central Office Switching	$	998,349	$	28,457	0.0485	0.0485	
2220 Operator Systems	$	5,517	$	-	-		
TPIS - Central Office Transmission							
2231 Satellite & Earth Station Facilities							
2231 Other Radio Facilities							
2231 Radio Systems							
2232 Circuit Equipment	$	1,442,053	$	22,496	0.0200	0.0200	
2230 Total Central Office Transmission	$	1,442,053	$	22,496	0.0200	0.0200	
TPIS - Information Orig/Term							
2311 Station Apparatus	$	31,984	$	12,961	0.4052		
2321 Customer Premises Wiring	$	-			0.0000		
2341 Large Private Branch Exchange	$	-	$	-	0.0000		
2351 Public Telephone Terminal Equipment	$	-	$	-	0.0000		
2362 Other Terminal Equipment	$	56,816	$	11,339	0.1996		
2310 Total Information Orig/Term	$	88,800	$	24,300	0.2736		
TPIS - Cable & Wire Facilities							
2411 Poles	$	48,178	$	279	0.0219	0.0219	
2421 Aerial Cable	$	182,563	$	24,738	0.0669	0.0669	
2422 Underground Cable	$	472,706	$	10,618	0.0210	0.0210	
2423 Buried Cable	$	1,381,560	$	135,100	0.0446	0.0446	
2424 Submarine Cable							
2425 Deep Sea Cable							
2426 Intrabuilding Network Cable							
2431 Aerial Wire							
2441 Conduit Systems	$	348,037	$	1,886	0.0058	0.0058	
2410 Total Cable & Wire Facilities	$	2,433,044	$	172,621	0.0709		
240 Total TPIS (before amortizable assets)	$	4,967,763	$	339,911	0.0684		

Alternative Cable Maintenance Factors

	Fiber	Copper
2411 Poles	0.0073	0.0669
2422 Underground Cable	0.0084	0.0210
2423 Buried Cable	0.0061	0.0446

Plant Non-Specific Operations Expenses

		Expenses		Investment	Factor	
6512 Provisioning Expenses	$	573	$	4,967,763	0.0001	
6531 Power Expenses	$	12,431	$	4,967,763	0.0025	11.75% all
6532 Network Administration	$	(256)	$	4,967,763	-0.0001	-0.24% switching, interoffice
6533 Testing	$	26,390	$	4,967,763	0.0053	24.94% all
6534 Plant Operations Administration	$	61,332	$	4,967,763	0.0123	57.96% all
6535 Engineering	$	5,347	$	4,967,763	0.0011	5.05% all
6540 Access Expense						
6530 Total Network Operations Expenses (includes provisioning)	$	105,817	$	4,967,763	0.0213	

per line network operations		(=total ARMIS 6530/total lines)
total lines (from net. invest. inputs)		3,173,116
annual net ops per line	$	33.35

Network Support Factor Calculation

		Expenses	Cable & Wire Inv	Factor
6112 Motor Vehicles	$	1,649		
6113 Aircraft	$	11		
6114 Special Purpose Vehicles	$	839		
6115 Garage Work Equipment	$	-		
6116 Other Work Equipment	$	-		

Aircraft & Special Purpose Vehicles	$ 2,488		$ 2,433,044	0.0010	

Customer Operations Expenses

	Expenses		Net Revenues	Factor	
6611 Product Management *	$ 28,904	$ 0.7591	$ 977,607	0.0296	
6612 Sales *	$ 41,249	$ 1.0833	$ 977,607	0.0422	
6613 Product Advertising	$ 13,391		$ 977,607	0.0137	
6610 Total Marketing Expenses	$ 83,544			0.0855	
6621 Call Completion Service	$ 3,372		$ 977,607	0.0034	
6622 Number Services	$ 14,524	$ 0.3814	$ 977,607	0.0149	
6623 Customer Services	$ 108,643	$ 2.8532	$ 977,607	0.1111	
6620 Total Services Expenses	$ 126,539	$ 4.70		0.1294	
Billing/bill inquiry (per line/month)	$ 1.22				
Directory listing (per line/month)	-				
700 Total Customer Operations Expenses	$ 210,083.00		$ 977,607	0.2149	0.2375

Corporate Operations Expenses

	Expenses		Revenues	Factor	
6711 Executive	$ 19,739		$ 977,607	0.0202	
6712 Planning	$ 989		$ 977,607	0.0010	
6710 Total Executive & Planning	$ 20,728		$ 977,607	0.0212	
6721 Accounting & Finance	$ 10,541		$ 977,607	0.0108	
6722 External Relations	$ 19,637		$ 977,607	0.0201	
6723 Human Resources	$ 12,306		$ 977,607	0.0126	
6724 Information Management	$ 86,071		$ 977,607	0.0880	
6725 Legal	$ 8,961		$ 977,607	0.0092	
6726 Procurement	$ 3,427		$ 977,607	0.0035	
6727 Research & Development	$ 13		$ 977,607	0.0000	
6728 Other General & Administrative	$ 67,023		$ 977,607	0.0686	
6720 Total General & Administrative	$ 207,979		$ 977,607	0.2127	
710 Total Corporate Operations Expense	$ 228,707		$ 977,607	0.1040	0.2586
720 Total Operating Expenses	$ 884,518				49.61% Total Operations General Support Allocator
note: does not include dep/amort					45.78% "Office Worker" General Support Allocator

Misc Expenses Calculation	2122 Furniture	2123 Office Equipment	2124 GP Computer	2112 Motor Vehicles	2121 Buildings	2115 Garage Work Equipment	2116 Other Work Equipment
Investment	$ 1,993	$ 12,897	$ 88,936	$ 71,167	85432.5000	$ 0	$ 0
Investment/TPIS	0.000	0.003	0.018	0.014	0.0172	0.000	0.000
Expense	$ 5,039	$ 5,997	$ 41,417	$ 1,649	18542.5000	$ -	$ -
Expense Factor	2.528	0.465	0.466	0.023	0.2170	-	-
Model TPIS	$ 2,633,272	$ 2,633,272	$ 2,633,272	$ 2,633,272	2633272.1534	$ 2,633,272	$ 2,633,272
Calculated Investment	$ 1,056	$ 6,836	$ 47,142	$ 37,724	45285.3776	$ 0	$ 0
Calculated Expense	$ 2,671	$ 3,179	$ 21,954	$ 874	9828.8604	$ -	$ -
Subtotal ($s)	$ 17,226,760						
Total Misc Expense	$ 17,226,760						

Other Taxes & Uncollectibles Calculation

	Expenses	Net Revenues	Factor
7230 Operating State & Local Income Tax	$ 16,049	$ (88,423)	
7240 Operating Other Taxes	$ 73,908	$ (88,423)	0.0500
5300 Uncollectible Revenues	$ 27,912	$ 977,607	0.0286
retail			0.0224
wholesale			0.0009

Ratio of Net Plant to TPIS

TPIS	$	4,967,763
Net Plant	$	4,967,763
Ratio	$	1
Model Investment	$	-
Model % of Net Plant	$	-
Model % of TPIS		0%

Actual 1999 Revenue

			% of total
Interstate Access			
5081 End User	$	214,537	13.98%
5082 Switched Access	$	131,900	8.60%
5083 Special Access	$	172,285	11.23%
Total Inter Access	$	518,722	33.81%
State Access Revenue			
5084 End User	$	-	0.00%
5084 Switched Access	$	-	0.00%
5084 Special Access	$	-	0.00%
Total State Access	$	-	0.00%
Total Access Revenue	$	518,722	33.81%
Long Distance Network Revenue			
5100 Interstate Message	$	-	0.00%
5100 Intrastate Message	$	-	0.00%
5100 Interstate Calling Plan	$	-	0.00%
5100 Intrastate Calling Plan	$	-	0.00%
Total LD Msg Revenue	$	20,239	1.32%
Unidirectional LD Revenue			
5110 Interstate	$	-	0.00%
Intrastate	$	-	0.00%
Total	$	3,295	0.21%
LD Private Network Revenue			
5120 Interstate	$	-	0.00%
Intrastate	$	-	0.00%
Total	$	6	0.00%
Other Long Distance Revenue			
5160 Interstate	$	-	0.00%
Intrastate	$	-	0.00%
Total	$	-	0.00%
Total Long Distance Network Rev			
Interstate	$	-	0.00%
Intrastate	$	-	0.00%
Total	$	23,540	1.53%

Basic Local Service				
5001	Basic Area	$	737,612	48.08%
5002	Optional Extended Area	$	-	0.00%
5003	Cellular Mobile	$	-	0.00%
5004	Other Mobile Svcs	$	-	0.00%
	Total Basic Local Service	$	737,612	48.08%
Public Telephone Revenue				
5010	Local Public Msgs	$	-	0.00%
	Universal Public Phone	$	-	0.00%
	Public Exchange - IX Carrier	$	-	0.00%
	Credit Card Coinless	$	-	0.00%
	Public Exchange - CPE	$	-	0.00%
	Semi-Public Msgs	$	-	0.00%
	Other Public Phone Revenue	$	-	0.00%
	Total Public Phone Revenue	$	-	0.00%
Local Private Line Revenue				
5040	Interstate	$	-	0.00%
	Intrastate	$	-	0.00%
	Total Private Line	$	(10)	0.00%
Customer Premises Revenue				
5050	Station Apparatus	$	-	0.00%
	Customer Premises Wiring	$	-	0.00%
	Total Customer Premises	$	-	0.00%
Other Local Exchange Revenue				
5060	Central Office Features	$	-	0.00%
	Information Transport	$	-	0.00%
	Directory Assistance	$	-	0.00%
	Intercept Services	$	-	0.00%
	Other Loc Exchg	$	-	0.00%
	Total Other	$	254,402	16.58%
Total Local Network Service Revenue				
	Interstate	$	-	0.00%
	Intrastate	$	992,004	64.66%
Total Revenue		$	1,534,266	100.00%

Study ID #7243

Compliance Phase IIa 1/08/03 2:04:30 PM

Qwest

Integrated Cost Model Interconnection TELRIC Results

2001 Recurring Cost Study

Market Services & MSEA Economic Analysis

Summary of Results

Compliance Phase IIa 1/08/03 2:04:30 PM

ICM Version 2.2

Recurring Costs
Arizona

Cost Element	Investment	TELRIC	Common	TELRIC + Common
Section C - Line and Trunk Ports				
DS0 Analog Line Port	53.0542	1.2081	0.0455	1.2535
Each Addditional DS0 Analog Line Port	53.0542	1.2081	0.0455	1.2535
DS0 Trunk Port	667.0255	14.9382	0.5623	15.5005
DS1 Trunk Port	2411.1316	53.9414	2.0305	55.9720
ISDN BRI Port	300.1045	10.0007	0.3765	10.3771
ISDN PRI Port	9613.6825	216.5837	8.1529	224.7366
DID/PBX Trunk Port per DS0	142.2429	3.2019	0.1205	3.3224

Summary of Results

Cell: A2
Comment: Results are from the Develop Total Product Costs Spreadsheets which are the first pages in each section.

Cell: A8
Comment: Section C - Line Ports
ANALOG LINE PORT
Description
Analog Line Port provides for the interconnection of individual loops to the switching components of the QWEST network. Ports provide access to the basic functionality of the switch, including signaling digit reception and translations, routing and rating, call supervision as well as access to interoffice services. An analog end office port is a two-wire, POTS type line side switch connection.

Cost Methodology
A monthly End Office Port cost is the cost associated with connecting a CLEC line to a QWEST end office switch. The line is assumed to be a copper DS0 pair - not an ISDN line nor a TR-303 or TR-008 integrated line, which has been traditionally referred to as a digital line. It is assumed to be connected to an analog line unit. This cost element is the NTS COE in the switch itself and the associated use of an OE (office equipment) block on the MDF. The labor to cross connect the OE block to the Tie Pair block which terminates the Expanded Interconnect Channel Termination (EICT) is not included in this rate element.

The methodology was to take the Investment per Analog Line and the Investment per MDF OSP Pair from the Switch Module. Because the Investment per Analog Line includes both the MDF OE block and the MDF OSP block, the OSP block investment was removed by subtracting the Investment per MDF OSP Pair from the Investment per Analog Line. Because the cost for the MDF is only broken down for the 5ESS and DMS host switches, the weighted average Investment per MDF OSP Pair for these two switches was subtracted from the weighted average Investment per Analog Line for all switches.

The following switches were eliminated from the statewide average: switches that had no analog lines - e.g., hosts without any lines directly connected to the host or remote switches that were ISDN only.

Cell: A10
Comment: DS0 Trunk Port
DESCRIPTION
The DS0 analog trunk port connects the co-provider to a metallic interface at the common ICDF (or equivalent) in a Qwest central office. The interfaces support a 2-wire or a 4-wire transmission.
STUDY METHODOLOGY
DS0 ANALOG TRUNK Port investment was developed by dividing the DS1 Trunk Port in the Switch Usage Model (SUM) by 24 channels. Then adding the DS1 – DS0 multiplexing investment divided by 24 channels. The sum of the two was divided by the utilization factor.
Billing and collections are also part of this study.

Cell: A11
Comment: DS1 Trunk Port
DESCRIPTION
A DS1 Trunk Port is an unbundled switching product that provides a Co-Provider 4-wire DS1 metallic interface at the common ICDF (or equivalent) within the Qwest central office. The DS1 unbundled trunk port supports up to 24 DS0 channelized trunks. This DS1 trunk port does not provide ISDN PRI capabilities.

STUDY METHODOLOGY
The DS1 Trunk Port investment was developed in the Switch Model (SM).

Billing and collections are also part of this study.

Cell: A12
Comment: BRI ISDN Port
DESCRIPTION
Basic Rate Interface Integrated Services Digital Network (BRI ISDN) is a digital architecture that provides integrated voice and data capability. The Unbundled BRI- ISDN Digital Line Port provides access for the interconnection of the individual loops to the switching components of the USW BRI ISDN network for access to voice, data, image and facsimile functionality. The serving arrangement conforms to the internationally developed, published and recognized standards generated by International Telegraph and Telephone Union (formerly CCITT).

An Unbundled BRI – ISDN Digital Line Port is a digital 2B+D (2 bearer channels for voice or data and 1 delta channel for signaling and D channel packet) line side switch connection with BRI ISDN voice and data basic elements. The Unbundled BRI – ISDN Digital Line Port has interLATA and intraLATA (where available) carrier choice, access to 911 and USW operator services.

The BRI – ISDN Port includes the following:

Non-traffic Sensitive Central Office Equipment
Software Right to Use
Traffic Sensitive – Originating BRI
Traffic Sensitive – Terminating BRI
Standard Features
D – Channel Packet x.75 Link
Billing and Collections

The standard feature list includes:
2B+D
Primary Directory Numbers (2)
Call Appearances (2)
Normal Ringing
Caller ID Number Blocking per line

Any additional features available in the switch requested by the customer will be handled on an ICB basis.

STUDY METHODOLOGY
Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use Switching Module (SM) for digital stored program controlled central offices. The switch investments include processor time, memory and hardware appropriate for each feature. Feature utilization data pertaining to each type of feature is input into SM to develop an incremental Engineered, Furnished and Installed (EF&I) feature investment. SM input data is projected by using historical traffic data and best estimates of feature utilization. The switch investments are at a 2000 level.

DACs Port and ISDN end office equipment port and Digipac Port investments are calculated by loading vendor-installed price with power, sales tax (where applicable), land and building, and interest during construction. Link investment between end office and ISDN DAC and between DACs is calculated by the Transport Module (TM). Link investments are added to DACs Port and ISDN End Office equipment and Digipac Port investments and averaged over the number of forecasted ISDN lines.

RTU fees include RTU buy out cost which is averaged over all forecasted and actual Qwest ISDN lines in the 14 state area and additional fees paid per BRI ISDN port by switch type. These fees are added together and levelized over 16.5 years.

Billing and collections are also part of this study.

The investments are converted to monthly costs using monthly cost factors. Factors are represented as investment based and expense based.

Cell: A13
Comment: ISDN PRI Port
DESCRIPTION
Primary Rate Interface Digital ISDN trunk port is a switch termination supporting PRI ISDN functionality. PRI trunk port requires a digital four wire full duplex transmission path between ISDN compatible Customer Premises Equipment (CPE) and a PRI ISDN equipped central office.

The PRI central office equipped trunk port is a DS1 which provides 24 64 Kb/s channels. This product is dedicated call type of PRI with a maximum of 23 possible B channels. The 24th channel must be configured as a D channel, which will carry the signaling and control information. The B channels transmit voice and data.

The PRI – ISDN Port includes the following:
Software Right to Use
Standard Features
Billing and Collections

The standard feature list includes:
23B+D
Direct Inward Dialing (DID)
Direct Outward Dialing (DOD)
Calling Number Identification
Calling Number Identification Blocking -- All Calls
Circuit Switched Data

Any additional features available in the switch requested by the customer will be handled on an ICB basis.

STUDY METHODOLOGY
These direct costs occur as a result of providing a PRI ISDN Port.

Summary of Results

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Switch. The switch investments include processor time, memory and hardware appropriate for each feature. Feature utilization data pertaining to each type of feature is input into SM to develop an incremental Engineered, Furnished and Installed (EF&I) feature investment. SM input data is projected by using historical traffic data and best estimates of feature utilization. The switch investments are at a 2000 level.

Billing and collections are also part of this study.

Cell: A14
Comment: DID/PBX Trunk Port

DESCRIPTION OF SERVICE

The DID/PBX Trunk Port is an unbundled switching product that provides a Co- Provider the ability to connect a PBX (Private Branch Exchange) user utilizing the DID (Direct Inward Dialing) functionality to a Qwest DID capable central office.

DID is a special trunking arrangement that permits incoming calls from the exchange network to reach a specific PBX station directly without attendant assistance. DID service is offered with an analog or digital 2-way. If digital, the individual DSO's are 2-way trunks using advanced service that required DID ports. This product allows the Co-Provider to order DID numbers in blocks of 20. Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of incoming calls.

Additional line or trunk features not offered with the basic DID/PBX product, are available to the Co-Provider on an individual case basis. A subsequent order charge will apply to add or change features.

Usage costs are not included in the cost of the DID/PBX Trunk Port. Further, non-recurring charges for the port, first trunk ordered and each additional trunk apply. In addition, recurring and non-recurring charges apply to each DID feature.

STUDY METHODOLOGY: RECURRING COSTS

The costs identified are direct costs that occur as a result of providing a DID/PBX trunk port service. As stated in section "B", above, the analysis studies the trunk termination costs to provide both analog and digital trunk terminations within the central office. The total analog and digital investments are identified separately. The investments are averaged together based relative demand for analog and digital trunks. Central office costs include digital serving wire center offices only.

Costs are included for the following cost components:

Multiplexing Costs: DID analog service requires a trunk side connection which requires DS0 to DS1 muxing to channelize the DS0 to the DS1 level. These investments are acquired from the DS1 Private Line Transport Service Cost Study. Investments associated with multiplexing equipment are acquired from QWEST Network Engineering.

Main Distributing Frame Costs (MDF): The MDF portion of the central office costs include the equipment used in making the loop plant connections at the central office. Included in this cost are the "tip" or riser cables, a portion of the main distributing frame, connecting blocks, protectors, and miscellaneous wiring.

DSX-1 Costs: The Digital Signal Cross Connect (DSX) frame serves as a standard cross connect frame for digital facilities terminating on the trunk side of the switch. Equipment that terminates at the DSX includes D-type banks, Digital Cross Connect Systems, (DCS), digital switches, and digital multiplexers.

Digital Line Trunk Unit (DLTU) Costs: The DLTU provides a direct interface between DS1 facilities and the switch.

Functionality & Processing Costs: DID Functionality & Processing for DID Trunks is part of a business service available to customers with PBX type equipment. DID Functionality & Processing allows incoming calls on digital one-way, analog two-way, analog one-way, and two-way digital primary channels for ISDN from the network to be routed directly to the appropriate station number without the assistance of an attendant. This analysis studies the trunk functionality & processing associated with a DID trunk at the central office.

Section C - Line and Trunk Ports
Port- Develop Total Prod Costs

Row	Compliance Phase IIa 1/08/03 2:04:30 PM Arizona	Line Ports Source or Calculation	Factor Value [AP p1 cB]	Line and Trunk Ports DS0 Analog Line Port	DS0 Trunk Port	DS1 Trunk Port	ISDN BRI Port	ISDN PRI Port	DID/PBX Trunk Port
			A	B	C	D	E	F	G
1	Investment	sC p2-3 cD Total	sC p2-3 cD	53.05	667.03	2411.13	300.10	9613.68	142.24
2									
3	Investment Based Costs (IBC)	sC p2-3 cK Total	sC p2-3 cJ	0.9041741	11.36775658	41.09161485	5.10543674	163.84080346	2.42363736
4	Element Specific Expenses	sC p4	sC p4-5	0.0164665	0.01646653	0.01646653	2.51593765	1.21487177	0.01646653
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		**0.9206406**	**11.3842231**	**41.1080814**	**7.6213744**	**165.0556752**	**2.4401039**
6									
7	***Directly Assigned***								
8	Product Management Expense	cA*r5	0.03428	0.0315605	0.3902626	1.4092261	0.2612683	5.6582736	0.0836492
9	Sales Expense	cA*r5	0.01133	0.0104336	0.1290174	0.4658779	0.0863730	1.8705760	0.0276537
10	Product Advertising Expense	cA*r5	0.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0017789	0.0219977	0.0794329	0.0147267	0.3189362	0.0047150
12	***Directly Assigned Costs***	*Sum r8:r11*		0.0437731	0.5412776	1.9545370	0.3623681	7.8477858	0.1160179
13									
14	***Total Direct***	*r5 + r12*		0.9644137	11.9255007	43.0626183	7.9837425	172.9034610	2.5561218
15									
16	***Directly Attributed***								
17	Network Operations	cA*r14	0.05029	0.0484994	0.5997215	2.1655760	0.4014944	8.6951422	0.1285448
18	Network Support Assets	cA*r14	0.01538	0.0148279	0.1833546	0.6620878	0.1227500	2.6583907	0.0393004
19	General Support Assets	cA*r14	0.08064	0.0777684	0.9616485	3.4724834	0.6437930	13.9425893	0.2061205
20	General Purpose Computers	cA*r14	0.03644	0.0351403	0.4345295	1.5690726	0.2909036	6.3000834	0.0931374
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0009808	0.0121282	0.0437947	0.0081195	0.1758428	0.0025996
22	Accounting and Finance Expense	cA*r14	0.00752	0.0072553	0.0897155	0.3239601	0.0600617	1.3007527	0.0192297
23	Human Resources Expense	cA*r14	0.00726	0.0070045	0.0866149	0.3127638	0.0579859	1.2557978	0.0185651
24	Information Management Expense	cA*r14	0.05157	0.0497348	0.6149981	2.2207392	0.4117216	8.9166315	0.1318192
25	Intangibles	cA*r14	0.00252	0.0024265	0.0300046	0.1083455	0.0200871	0.4350251	0.0064312
26	***Total Directly Attributed Costs***	*Sum r17:r25*		0.2436379	3.0127154	10.8788231	2.0169169	43.6802555	0.6457479
27									
28	*Total Element Long Run Incremental Costs*	*r 14 + r26*		1.2080516	14.9382161	53.9414415	10.0006594	216.5837166	3.2018697
29									
30	***Common***								
31	Executive Expense	cA*r28	0.00579	0.0069898	0.0864325	0.3121052	0.0578638	1.2531534	0.0185260
32	Planning Expense	cA*r28	0.00050	0.0006016	0.0074392	0.0268628	0.0049803	0.1078587	0.0015945
33	External Relations Expense	cA*r28	0.00817	0.0098698	0.1220452	0.4407016	0.0817054	1.7694890	0.0261593
34	Legal Expense	cA*r28	0.00535	0.0064655	0.0799493	0.2886946	0.0535235	1.1591561	0.0171364
35	Other Procurement Expense	cA*r28	0.00203	0.0024463	0.0302499	0.1092314	0.0202513	0.4385820	0.0064838
36	Research and Development Expense	cA*r28	0.00003	0.0000374	0.0004631	0.0016722	0.0003100	0.0067141	0.0000993
37	Other General and Admin Exp	cA*r28	0.01578	0.0190643	0.2357400	0.8512499	0.1578204	3.4179076	0.0505287
38	*Total Common Costs*	*Sum r31:r37*		0.0454747	0.5623193	2.0305177	0.3764548	8.1528608	0.1205280
39									
40	*TELRIC + Common*	*r27 + r38*		1.2535	15.5005	55.9720	10.3771	224.7366	3.3224

c = column, r = row, s = section, p = page, AP = Appendix

Section C - Line and Trunk Ports
Port-Investment Cost Calc

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Arizona

Line and Trunk Ports

Acct	FRC	Account Name	Investment	Depreciation cD*(AP p7 cA)	Cost of Money cD*(AP p7 cB)	Income Tax cD*(AP p7 cC)	Ad Valorem cD*(AP p7 cD)	Maintenance cD*(AP p7 cE)	Digital Electronic Expense - RTU 377C cD*(AP p1 B5)	Total Capital Costs sum(cE:cJ)
DS0 Analog Line Port										
2111	20C	Land	0.1827000	0.0000000	0.0013957	0.0005768	0.0002074	0.0007179		0.0028978
2121	110C	Building	2.1213500	0.0052739	0.0120769	0.0049909	0.0024078	0.0083357		0.0330853
2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
2212	377C	Digital Switch	50.7500000	0.4407531	0.1775611	0.0733788	0.0576035	0.1188919	0.0000000	0.8681885
		Total	**53.0541623**	**0.4460289**	**0.1910341**	**0.0789466**	**0.0602189**	**0.1279456**	**0.0000000**	**0.9041741**
DS0 Trunk Port										
2111	20C	Land	2.297007333	0.0000000	0.0175478	0.0072518	0.0026072	0.0090260		0.036432801
2121	110C	Building	26.670807370	0.0663066	0.1518376	0.0627483	0.0302726	0.1048017		0.415966749
2212	377C	Digital Switch	638.06	5.5413968	2.2323980	0.9225594	0.7242241	1.4947762		10.9154
2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000	0.0000000	0.000002560
		Total	**667.03**	**5.6077053**	**2.4017838**	**0.9925597**	**0.7571040**	**1.6088039**	**0.0000000**	**11.3678**
DS1 Trunk Port										
2111	20C	Land	8.303112000	0.0000000	0.0634310	0.0262135	0.0094244	0.0326267		0.131695544
2121	110C	Building	96.408356000	0.2396821	0.5488551	0.2268195	0.1094278	0.3788322		1.503616666
2212	377C	Digital Switch	2306.42	20.0307756	8.0695652	3.3348235	2.6178906	5.4032453		39.4563
2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000	0.0000000	0.000002560
		Total	**2411.13**	**20.2704595**	**8.6818517**	**3.5878566**	**2.7367429**	**5.8147041**	**0.0000000**	**41.0916**
ISDN BRI Port										
2111	20C	Land	1.025176082	0.0000000	0.0078318	0.0032365	0.0011636	0.0040284		0.016260304
2121	110C	Building	11.904283493	0.0295954	0.0677714	0.0280072	0.0135119	0.0467773		0.185663150
2212	377C	Digital Switch	279.641273620	2.4286260	0.9783923	0.4043298	0.3174054	0.6551150		4.783868510
2232.3	357C	Other Digital Equipment	3.658808331	0.0329788	0.0128345	0.0053040	0.0041529	0.0066765	0.0000000	0.061946597
2232.3	357CS	Other Digital Equipment	1.617619496	0.0145804	0.0056743	0.0023450	0.0018361	0.0028983		0.027334103
2422.12,.22	85C	UG Cbl Nonmetallic	1.088968210	0.0081678	0.0050957	0.0021058	0.0012360	0.0016419		0.018247220
2423.12,.22	845C	Buried Cbl Nonmetallic	0.011561050	0.0000638	0.0000518	0.0000214	0.0000131	0.0000158		0.000165982
2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
2441	4C	Conduit System	1.156675072	0.0021898	0.0056024	0.0023153	0.0013129	0.0005280		0.011948315
		Total	**300.104477698**	**2.5162038**	**1.0832545**	**0.4476651**	**0.3406321**	**0.7176812**	**0.0000000**	**5.105436740**
ISDN PRI Port										
2111	20C	Land	33.106233708	0.0000000	0.2529126	0.1045185	0.0375771	0.1300894		0.525097512
2121	110C	Building	384.400158054	0.9556622	2.1883994	0.9043766	0.4363115	1.5104826		5.995232239
2212	377C	Digital Switch	9196.18	79.8668665	32.1750341	13.2966345	10.4380739	21.5438622	0.0000000	157.3205
2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
		Total	**9613.68**	**80.8225306**	**34.6163465**	**14.3055297**	**10.9119626**	**23.1844342**	**0.0000000**	**163.8408**

Section C - Line and Trunk Ports
Port-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/08/03 2:04:30 PM						Line and Trunk Ports				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
39	DID/PBX Trunk Port										
40	2111	20C	Land	0.489772068	0.0000000	0.0037416	0.0015462	0.0005559	0.0019245		0.007768268
41	2121	110C	Building	5.686904187	0.0141383	0.0323757	0.0133796	0.0064549	0.0223464		0.088694842
42		257C	Pair Gain—Digital	0.66	0.0059466	0.0023142	0.0009564	0.0007488	0.0007867	0.0000000	0.0108
43	2212	377C	Digital Switch	135.41	1.1759761	0.4737518	0.1957824	0.1536923	0.3172162	0.0000000	2.3164
44	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
45			Total	142.24	1.1960628	0.5121837	0.2116647	0.1614521	0.3422740	0.0000000	2.4236
46	Investment Sources										
47	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)					
48	All others = sC p4-5 sum of column c, f, or g by account										
49											
50	s = section										
51	p = page										
52	c = column										
53	r = row										
54	Upper Case letter with number indicates a cell location, i.e. G40										

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Arizona
Investment & Expense Summary

DS0 Analog Line Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 E3	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	50.75		50.75
	Expense		0.016466529	0.016466529

DS0 Analog Trunk Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 r7	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	638.0575926		638.0575926
	Expense		0.016466529	0.016466529

DS1 Trunk Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 E5	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	2306.42		2306.42
	Expense		0.016466529	0.016466529

Section C - Line and Trunk Ports
Ports Inv & Exp Summary

ISDN BRI Port

Account Name	FRC	a RTU	b X.75 Link	c BRI Port Switching	d Switching Features	e Billing & Collections	f Total
		sC p6	*sC p11 r52*	*sC p17 E9*	*sC p17 E16*	*AP p10 F21&22*	*a+b+c+d+e*
General Purpose Comp.	361C					$ 0.0001	$ 0.0001
Other Digital Equipment	357C		$ 3.6588				$ 3.6588
Other Digital Equipment	357CS		$ 1.6176				$ 1.6176
Digital Switch	377C		$ 42.2133	$ 219.6265	$ 17.8015		$ 279.6413
Conduit System	4C		$ 1.1567				$ 1.1567
Buried Cbl Nonmetallic	845C		$ 0.0116				$ 0.0116
UG Cbl Nonmetallic	85C		$ 1.0890				$ 1.0890
	Expense	$ 2.4995				$ 0.0165	$ 2.5159

ISDN PRI Port

Account Name	FRC	a 23B+D	b DID	c DOD	d RTU	e B&C	f TOTAL
		sC p17 E25	*sC p17 E20*	*sC p17 E21*	*sC p6*	*AP p10 F21&22*	*a+b+c+d+e*
General Purpose Comp.	361C					$ 0.000112	$ 0.0001
Digital Switch	377C	$ 8,958.09	$ 119.00	$ 119.09			$ 9,196.18
	Expense				$ 1.20	$ 0.0165	$ 1.2149

DID/PBX Trunk Port

Account Name	FRC	a DS1 to DS0 Multiplexer	b MDF	c DSX-1	d DLTU	e Switch Processing for DID Function	f Billing	g Total per Termination
		sC p16 ln5	*sC p16 ln8*	*sC p16 ln11*	*sC p17 E30*	*sC p17 E31*	*AP p10 F21&22*	*a+b+c+d+e+f*
Pair Gain—Digital	257C	$ 0.66						$ 0.66
Digital Switch	377C		$ 0.05	$ 0.65117	$ 117.36	$ 17.35		$ 135.41
General Purpose Comp.	361C						$ 0.000112	$ 0.000112
	Expenses						$ 0.0165	$ 0.0165

Section C Line and Trunk Ports
ISDN Line Forecast

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/08/03 2:04:30 PM									
2				ISDN LINES NETWORK DISCLOSED OFFICES ONLY						
3				ANNUAL GAIN						
4	Arizona									
5		Switch Type	2000	2001	2002	2003		NPV	SW1 Lines	SW2 Lines
6								NPV (2003 to 2001 @ Discount Rate) + Prior years		
7	BEARDSLEY	1	114	40	45	50		226	226	0
8	CASA GRANDE	EIA	0	0	0	0		-	0	0
9	CATALINA	2	102	28	37	55		200	0	200
10	CAVE C REEK	1	0	0	0	0		-	0	0
11	CHANDLER - GALVESTON	1	0	0	0	0		-	0	0
12	CHANDLER - MAIN	1	273	-10	-10	-15		244	244	0
13	CHANDLER - OCOTILLO	1	0	0	0	0		-	0	0
14	CHANDLER - SOUTH	1	7	2	0	4		12	12	0
15	CHANDLER - WEST	1	177	1	-1	-2		176	176	0
16	CORTARO	1	68	21	26	22		126	126	0
17	CRAYCROFT	1	49	19	24	26		106	106	0
18	DEER VALLEY - NORTH	1	272	78	75	82		468	468	0
19	FLAGSTAFF - EAST	1	60	9	3	4		74	74	0
20	FLAGSTAFF - MAIN	1	45	5	4	4		56	56	0
21	FLOWING WELLS	2	26	3	3	4		34	0	34
22	FORT MCDOWELL	1	66	8	5	4		80	80	0
23	GILBERT MESA - MAIN	1	876	63	55	66		1,029	1029	0
24	GLENDALE - MAIN	1	22	-1	-2	-6		15	15	0
25	PHOENIX - BETHANY WEST	1	9	-1	-3	-2		4	4	0
26	PHOENIX - CACTUS	1	240	6	11	8		261	261	0
27	PHOENIX - EAST	1	136	18	16	13		176	176	0
28	PHOENIX - FOOTHILLS	1	25	-7	-10	-2		9	9	0
29	PHOENIX - GREENWAY	1	97	-3	-10	-16		74	74	0
30	PHOENIX - MAIN	1	309	50	25	-48		339	339	0
31	PHOENIX - MARYVALE	1	10	3	3	4		18	18	0
32	PHOENIX - MID RIVER	1	0	0	0	0		-	0	0
33	PHOENIX - NORTH	1	4232	-108	-185	-385		3,687	3687	0
34	PHOENIX - NORTHEAST	1	101	-10	-14	-14		70	70	0
35	PHOENIX - NORTHWEST	1	0	0	0	0		-	0	0
36	PHOENIX - PECOS	1	50	6	3	4		61	61	0
37	PHOENIX - PEORIA	1	0	0	0	0		-	0	0
38	PHOENIX - SOUTH	EIA	0	0	0	0		-	0	0
39	PHOENIX - SOUTHEAST	1	0	0	0	0		-	0	0
40	PHOENIX - SUNNYSLOPE	1	0	0	0	0		-	0	0
41	PHOENIX - USW DIRECT	1	0	0	0	0		-	0	0
42	PHOENIX - WEST	1	0	0	0	0		-	0	0
43	PINNACLE PEAK	1	367	107	64	63		566	566	0
44	PRESCOTT - EAST	EIA	0	0	0	0		-	0	0
45	PRESCOTT - MAIN	1	207	70	65	101		402	402	0
46	RINCON	2	87	13	21	22		133	0	133
47	SCOTTSDALE - MAIN	1	373	38	22	15		437	437	0
48	SEDONA - MAIN	1	7	0	-1	-3		4	4	0
49	SHEA	1	236	38	22	25		308	308	0
50	SIERRA VISTA - MAIN	2	97	58	81	131		317	0	317
51	SUNRISE	1	76	6	7	13		97	97	0
52	SUPERSTITION - EAST	EIA	0	0	0	0		-	0	0
53	SUPERSTITION - MAIN	EIA	0	0	0	0		-	0	0
54	SUPERSTITION - WEST	2	0	0	0	0		-	0	0
55	TANQUE VERDE	1	60	10	9	18		90	90	0
56	TEMPE - MAIN	2	332	38	27	25		408	0	408
57	TEMPE - MCCLINTOCK	1	574	44	12	3		626	626	0
58	THNDERBIRD	1	503	63	51	62		650	650	0
59	TUCSON - EAST	1	136	11	14	7		163	163	0
60	TUCSON - MAIN	1	789	218	222	266		1,375	1375	0
61	TUCSON - NORTH	1	33	16	20	71		118	118	0
62	TUCSON - SOUTH	1	52	35	65	56		181	181	0
63	Arizona Totals		11,295	985	801	735		13,419	12,326	1,092
64										
65	Qwest									
66	CTX-21 ISDN		120	51	54	33		236		
67	CTX PRIME ISDN		2320	1172	1045	1045		5053		
68	ISDN BASIC		29261	803	733	737		31163		
69	ISDN - SLS		68235	12792	12455	10912		98559		
70	CONSUMER ISDN		6257	2220	1531	-3942		6563		
71	Qwest Totals		106,194	17,037	15,818	8,785		141,575		
72										
73	Discount Rate =	0.0961								

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INPUTS

1.	Investment per SW1 ISDN Equipped End Office	*sC p12 Ln15*	377C	$	8,046.52
2.	Investment per SW2 ISDN Equipped End Office	*sC p13 Ln15*	377C	$	9,193.03
3.	Investment per DACS Port	*DCS cost study*	377C	$	388.07
4.	Investment per Digipac X.75' Port	*sC p14 Ln15*	377C	$	17,648.52
5.	Investment per Digipac Trunk Port	*sC p14 Ln15*	377C	$	17,648.52
6.	Number of ISDN Lines	*sC p7 H63*			13,419
7.	Number of SW1 ISDN EO w/X.75 Links	*Forecast*			45
8.	Number of SW2 ISDN EO w/X.75 Links	*Forecast*			6
9.	Number of ISDN Digipac Switches	*Design Parameter*			6
10.	% Digipac Traffic Originating from ISDN	*Design Parameter*			10%
11.	DS1s per Packet Switch Link	*Design Parameter*			1
12.	Number of Links between Packet Switches	*Design Parameter*			1
13.	Average Mileage between End Offices and DACS	*X.75 File*			10.32
14.	Average Mileage between Packet Switches	*V&H Coordinates*			46.85
15.	DS1 Interoffice Investments (Avg of all Mileage Bands)				
	a. Terminations	*sC p19*	357C	$	938.69
	b. Terminations	*sC p19*	357CS	$	337.92
	c. Facilities - per Mile	*sC p19*	357C	$	2.13
	d. Facilities - per Mile	*sC p19*	357CS	$	8.36
	e. Facilities - per Mile	*sC p19*	4C	$	29.23
	f. Facilities - per Mile	*sC p19*	845C	$	0.29
	g. Facilities - per Mile	*sC p19*	85C	$	27.52

ISDN EQUIPPED END OFFICE INVESTMENT PER ISDN LINE

16.	Switch Type 1 End Office Investment	*Ln1*	377C	$	8,046.52
17.	Switch Type 1 ISDN Equipped End Offices	*Ln7*			45
18.	Total Switch Type 1 Investment	*Ln16 x Ln17*		$	362,093.57
19.	Switch Type 2 End Office Investment	*Ln2*	377C	$	9,193.03
20.	Switch Type 2 ISDN Equipped End Offices	*Ln8*			6
21.	Total Switch Type 2 Investment	*Ln19 x Ln20*		$	55,158.19
22.	Total Investment	*Ln18 + Ln21*		$	417,251.76
23.	Total ISDN Lines	*Ln6*			13,419
24.	Investment per ISDN Line	*Ln22 / Ln23*	377C	$	31.10

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ISDN END OFFICE TO DACS DS1 PER ISDN LINE

25. Total DS1 Investments				
a. Total Termination	*(Ln7+Ln8) x Ln15a*	357C	$	47,873.32
b. Total Termination	*(Ln7+Ln8) x Ln15b*	357CS	$	17,233.93
c. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15c*	357C	$	1,118.77
d. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15d*	357CS	$	4,399.23
e. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15e*	4C	$	15,383.97
f. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15f*	845C	$	153.76
g. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15g*	85C	$	14,483.46
26. ISDN Lines	*Ln6*			13,419
27. DS1 Investment per Line				
a. Termination	*Ln25a / Ln26*	357C	$	3.5677
b. Termination	*Ln25b / Ln26*	357CS	$	1.2843
c. Facilities	*Ln25c / Ln26*	357C	$	0.0834
d. Facilities	*Ln25d / Ln26*	357CS	$	0.3278
e. Facilities	*Ln25e / Ln26*	4C	$	1.1465
f. Facilities	*Ln25f / Ln26*	845C	$	0.0115
g. Facilities	*Ln25g / Ln26*	85C	$	1.0794

DACS

28. Investment per DACS Port	*Ln3*	377C	$	388.07
29. Number of Ports (Incoming + Outgoing)	*Ln7 + Ln8 + Ln9*			57
30. Total DACS Investment	*Ln28 x Ln29*		$	22,119.99
31. ISDN Lines	*Ln6*			13,419
32. Investment per ISDN Line	*Ln30 / Ln31*	377C	$	1.6485

Packet Switching X.75 Ports (Incoming)

33. Investment per X.75 Port	*Ln4*	377C	$	17,648.52
34. Packet Switches within LATA	*Ln9*			6
35. Total Incoming Port Investment	*Ln33 x Ln34*		$	105,891.14
36. ISDN Lines	*Ln6*			13,419
37. Investment per ISDN Line	*Ln35 / Ln36*	377C	$	7.89

Packet Switching Trunk Ports (Outgoing)

38. Investment per Packet Switch Trunk Port	*Ln5*	377C	$	17,648.52
39. Number of Trunk Ports per Packet Switch	*Assumption*			2
40. Packet Switches within LATA	*Ln9*			6
41. Total Trunk Port Investment	*Ln38 x Ln39 x Ln40*		$	211,782.27
42. ISDN Lines	*Ln6*			13,419
43. Investment per ISDN Line	*Ln41 / Ln42*		$	15.78
44. Percent Originating Digipac Traffic from ISDN	*Ln10*			10%
45. Investment per ISDN Line	*Ln43 x Ln44*	377C	$	1.58

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Inter Packet Switch IntraLATA Trunks

46. Total DS1 Investments for Packet Switch Links				
a. Termination	*Ln12 x Ln11 x Ln15a*	357C	$	938.69
b. Termination	*Ln12 x Ln11 x Ln15b*	357CS	$	337.92
c. Facilities	*Ln12 x Ln11 x Ln14 x Ln15c*	357C	$	99.59
d. Facilities	*Ln12 x Ln11 x Ln14 x Ln15d*	357CS	$	391.59
e. Facilities	*Ln12 x Ln11 x Ln14 x Ln15e*	4C	$	1,369.39
f. Facilities	*Ln12 x Ln11 x Ln14 x Ln15f*	845C	$	13.69
g. Facilities	*Ln12 x Ln11 x Ln14 x Ln15g*	85C	$	1,289.23
47. Percent Originating Digipac Traffic from ISDN	*Ln10*			10%
48. Investment per Link for ISDN				
a. Termination	*Ln46a x Ln47*	357C	$	93.87
b. Termination	*Ln46b x Ln47*	357CS	$	33.79
c. Facilities	*Ln46c x Ln47*	357C	$	9.96
d. Facilities	*Ln46d x Ln47*	357CS	$	39.16
e. Facilities	*Ln46e x Ln47*	4C	$	136.94
f. Facilities	*Ln46f x Ln47*	845C	$	1.37
g. Facilities	*Ln46g x Ln47*	85C	$	128.92
49. ISDN Lines	*Ln6*			13,419
50. Investment per ISDN Line				
a. Termination	*Ln48a / Ln49*	357C	$	0.0070
b. Termination	*Ln48b / Ln49*	357CS	$	0.0025
c. Facilities	*Ln48c / Ln49*	357C	$	0.0007
d. Facilities	*Ln48d / Ln49*	357CS	$	0.0029
e. Facilities	*Ln48e / Ln49*	4C	$	0.0102
f. Facilities	*Ln48f / Ln49*	845C	$	0.0001
g. Facilities	*Ln48g / Ln49*	85C	$	0.0096

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X.75 LINK

SUMMARY

51. Investment by Element per ISDN Line

a. ISDN Equipped End Office	*Ln24*	377C	$	31.0951
b. ISDN End Office to DACS	*Ln27a*	357C	$	3.5677
c. ISDN End Office to DACS	*Ln27b*	357CS	$	1.2843
d. ISDN End Office to DACS	*Ln27c*	357C	$	0.0834
e. ISDN End Office to DACS	*Ln27d*	357CS	$	0.3278
f. ISDN End Office to DACS	*Ln27e*	4C	$	1.1465
g. ISDN End Office to DACS	*Ln27f*	845C	$	0.0115
h. ISDN End Office to DACS	*Ln27g*	85C	$	1.0794
i. DACS	*Ln32*	377C	$	1.6485
j. Packet Switch Incoming Ports	*Ln37*	377C	$	7.8914
k. Packet Switch Outgoing Trunk Ports	*Ln45*	377C	$	1.5783
l. Inter Packet Switch Links	*Ln50a*	357C	$	0.0070
m. Inter Packet Switch Links	*Ln50b*	357CS	$	0.0025
n. Inter Packet Switch Links	*Ln50c*	357C	$	0.0007
o. Inter Packet Switch Links	*Ln50d*	357CS	$	0.0029
p. Inter Packet Switch Links	*Ln50e*	4C	$	0.0102
q. Inter Packet Switch Links	*Ln50f*	845C	$	0.0001
r. Inter Packet Switch Links	*Ln50g*	85C	$	0.0096

52. Investment by Account per ISDN Line

Ln51a+Ln51i+Ln51j+Ln51k	377C	$	42.2133
Ln51b+Ln51d+Ln51l+Ln51n	357C	$	3.6588
Ln51c+Ln51e+Ln51m+Ln51o	357CS	$	1.6176
Ln51f+Ln51p	4C	$	1.1567
Ln51g+Ln51q	845C	$	0.0116
Ln51h+Ln51r	85C	$	1.0890

Section C - Line and Trunk Ports
DS0 Trunk Investment Dev

		DS0 Analog Trunk Port		
		Arizona		
Compliance Phase IIa 1/08/03 2:04:30 PM				
		Source		
1)	DS1 Trunk Port Investment	*sC p17 E5*	2306.42	
2)	DS1 - DS0 Multiplexing	*App p1 cC*	8907.5698	
3)	Sub-total	*L1 + L2*	11213.99	
4)	DS0 per DS1	*industry standard*	24	
5)	DS0 Investment	*L3 / L4*	467.24958	
6)	Utilization Factor		73%	
7)	DS0 Investment	*L5 / L6*	638.05759	

Section C - Line and Trunk Ports
DID PBX Investment Development

DIRECT INWARD DIALING (DID/PBX TRUNK SERVICE)					
Arizona					
Compliance Phase IIa 1/08/03 2:04:30 PM					
Conersion of DS1 Investments to DS0					
Multiplexer (Required for analog port)					
	1	Investment for DS1 to DS0 Multiplexer	*App p1 cC*	$ 8,907.57	
	2	DS0 Channel Capacity of Multiplexer		24	
	3	Investment per DS0 Channel	*Ln1 / Ln2*	$ 371.15	
	4	% Analog Ports	*Dec 2000 in-service*	0.18%	
	5	Investment per DS0 Channel	*Ln4 X Ln3*	$ 0.66	257C
MDF (Required for analog port)					
	6	MDF Investment	*sD p10 B17*	$ 29.10	
	7	% Analog Ports	*Ln12*	0.18%	
	8	Investment per DS0 Channel	*Ln7 X Ln6*	$ 0.05	377C
DSX-1 Panel					
	9	Investment for DSX-1 Cross-Connect Panel	*DID Functionality and Processing Cost Study - Feb 1999*	$ 15.63	
	10	DS0 Channel Capacity of DSX-1 Panel	-	24	
	11	Investment per DS0 Channel	*Ln9 / Ln10*	$ 0.65	377C

Section C - Line and Trunk Ports
SM Port Feature Output

	A	B	C	D	E
1	Arizona		Direct - Category 1	Direct - Category 2	Total
2	Compliance Phase IIa 1/08/03 2:04:30 PM				
3	**LIS Analog Port**	377C	50.11	0.64	50.75
4					
5	**DS1 Trunk Port**	377C	2253.15	53.27	2306.42
6					
7	**ISDN BRI Port**				
8	Nonintegrated BRI w/o Packet	377C	168.1833	2.497539	170.680839
9	D Channel- Port Ltd. Packet Switch	377C	48.94565	0	48.94565
10	Total				219.626489
11					
12	**ISDN BRI Features**				
13	D Inter Switch Packet - Port Ltd. PS	377C	2.670383	2.168063	4.838446
14	Nonintegrated Switched Packet Call Setup (SW1 Only)	377C	0.066279	0	0.066279
15	Calling Number Delivery Blocking - Per Line	377C	0.002235	0.160339	0.162574
16	Analog Call Appearance	377C	6.367105	0	6.367105
17	Total				17.801509
18					
19					
20	**ISDN PRI Port**				
21	Direct Inward Dialing (Incoming) (PRI)	377C	108.0421	10.95767	118.99977
22	Direct Outward Dialing (Dial 9) Incoming (PRI)	377C	108.0672	11.02177	119.08897
23	**23B+D**				
24	PRI w/o Packet (23B+D)	377C	8834.466	114.7672	8949.2332
25	Multiline Hunt - Circular	377C	8.391216	0.462874	8.85409
26	Total 23B+D				8958.08729
27					
28					
29	**DID/PBX Trunk Port**				
30	TRUNKSIDE Digital Facility Termination (DS0)	377C	114.7424	2.614349	117.356749
31	BASIC CENTRON Direct Inward Dialing	377C	16.8585	0.488237	17.346737
32					
33	**MDF OSP**	377C	28.83	0.27	29.100000

Section C - Line and Trunk Ports
DS1 TM Output

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Arizona

Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
All	FIXED	357C	936.8639788	1.828544829	938.692524
All	FIXED	357CS	337.9201909	0	337.920191
All	DISTANCE SENSITIVE	357C	1.473479419	0.652166954	2.125646
All	DISTANCE SENSITIVE	357CS	8.358476192	0	8.358476
All	DISTANCE SENSITIVE	4C	29.22930444	0	29.229304
All	DISTANCE SENSITIVE	845C	0.195739819	0.096409165	0.292149
All	DISTANCE SENSITIVE	85C	18.43729095	9.08105375	27.518345

These are investments outputs from the Transport Module.

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

	A	B
1	Compliance Phase IIa 1/08/03 2:04:30 PM	
2		
3	**Factor Description**	***Arizona***
4		**RTU**
5	**Digital Electronic Expense - RTU 377C**	0.000000
6	***Direct Costs***	
7		
8	***Directly Assigned***	
9		**Direct**
10	**Product Management Expense**	0.034281
11	**Sales Expense**	0.011333
12	**Product Advertising Expense**	0.000000
13	**Business Fees (Other Operating Taxes)**	0.001848
14	***Directly Assigned Costs***	
15		
16	***Total Direct***	
17		
18	***Directly Attributed***	**Attributed**
19	**Network Operations**	0.050289
20	**Network Support Assets**	0.015375
21	**General Support Assets**	0.080638
22	**General Purpose Computers**	0.036437
23	**Uncollectible - Interconnect**	0.001017
24	**Accounting and Finance Expense**	0.007523
25	**Human Resources Expense**	0.007263
26	**Information Management Expense**	0.051570
27	**Intangibles**	0.002516
28		
29		
30		
31		
32	***Common***	**Common**
33	**Executive Expense**	0.005786
34	**Planning Expense**	0.000498
35	**External Relations Expense**	0.008170
36	**Legal Expense**	0.005352
37	**Other Procurement Expense**	0.002025
38	**Research and Development Expense**	0.000031
39	**Other General and Admin Exp**	0.015781

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

Cell: A5
Comment: The Switching Right-To-Use (RTU) factor estimates the expensed RTU switching fees that make up a portion of the annual costs associated with digital switches. The factor numerator is based on the field reporting code (FRC) of 377M (Digital Electronic Switching Maintenance) and expenditure type codes of 61A (upgrades of operating system RTU), 61C (recurring RTU fees), and 61F (upgrades of application RTU). The denominator consists of the ending balance for FRC 377C (in Account 2212, Digital Electronic Switching).

Cell: A8
Comment: Directly assigned factors are used to directly assign expenses to a product or service. That is, accounting records allow expenses to be tracked down to a particular product or service.

Cell: A10
Comment: Product Management Expense Factor
Product Management Expense, account 6611: Product management includes 1) Rate and Tariff - Development which are the costs of providing new or revised tariff offerings, making studies in support of specific dockets and to identify and analyze costs for regulatory activities and 2) Market Forecast - Management Administration and Analysis which are the costs associated with analyzing all forecasts of current and future market conditions, presenting a detailed customer profile, establishing and tracking revenue objectives, as well as performing basic office services. Product management in a interconnect marketplace will be similar to that of the retail market. In fact it will be like the product management that U S WEST performs today in its Carrier market unit which manages wholesale services such as switched and dedicated access products. In this model, U S WEST used the cost of its carrier marketing product management product group. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A11
Comment: Sales Expense Factor
Sales Expense, account 6612: Included in this factor are costs incurred with performing sales contact work, servicing and implementation activities for the purpose of selling products and services to accounts in a particular market or segment. Sales expense in a interconnect marketplace will be similar to that of the retail market. In fact it will be like the Sales expense that U S WEST performs today in its Carrier market unit which manages wholesale services such as switched and dedicated access products. In this model U S WEST used the cost of its carrier marketing sales product group. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A12
Comment: Product Advertising Expense Factor
Product advertising expense, account 6613: Includes costs incurred in developing and implementing promotional strategies to stimulate the purchase of products and services. This excludes non product related advertising, such as corporate image, stock and bond issue and employment advertisements, which is included in the appropriate functional accounts. Product advertising is not included in U S West's TELRIC studies. Product advertising is avoided for interconnect services and set to zero.

Cell: A13
Comment: The Business Fees factor estimates the expenses associated with other operating taxes. The factor numerator is based on account 7240 (Operating Other Taxes), specifically 7240.2 through 7240.9. The sub accounts of .2 through .9 represent gross receipts taxes, cost of franchises, capital stock taxes, superfund taxes and other taxes. The business fees denominator consists of the sum of the Directly Attributed denominator less the Business Fees numerator.

Business fees is calculated by multiplying the Total Investment Based Costs +Other Direct Expense Inputs + Product Management + Sales Expense + Product Advertising Expense by the Business fees factor.

Cell: A18

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

Comment: Directly attributed factors are used to indirectly assign or attribute expenses to a product or service. That is, accounting records do not track investments and expenses down to a product level. For example, switching equipment expenses and investments are used for a number of services. Since this equipment is shared by many products and services, the cost of switching cannot be directly assigned to any of them. However, it can be indirectly assigned or attributed through an allocation process.

Cell: A19
Comment: Network Operations
Network Operations: The numerator for this factor is Account 6532, 6534 and 6535.

Account 6532, includes costs incurred in network administration. This includes such activities as controlling traffic flow, administering traffic measuring and monitoring devices, assigning equipment and load balancing, collecting and summarizing traffic data, administering trunking and assigning interoffice facilities and circuit layout work.

Account 6534, includes costs incurred in the general administration of plant operations. This includes supervising plant operations, planning, coordinating and monitoring plant operations; and performing staff work such as developing methods and procedures, preparing and conducting training and coordinating safety programs.

Account 6535, includes costs incurred in the general engineering of the telecommunications plant which are not directly chargeable to an undertaking or project. This includes developing input to the fundamental planning process, performing preliminary work or advance planning in connection with potential undertakings, and performing special studies of an engineering nature.

These expenses are adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A20
Comment: Network Support Assets
Network Support Assets: Included in this factor are accounts 2112-2116.

Account 2112, Motor Vehicles includes the original cost of motor vehicles of those types which are designed and routinely licensed to operate on public streets and highways.

Account 2113, Aircraft includes the original cost of company owned aircraft and any associated equipment and furnishing installed as an integral part of the aircraft.

Account 2114, Special Purpose Vehicles includes the original cost of special purpose vehicles. Special purpose vehicles are self propelled and are therefore independent upon another vehicle's engine for power.

Account 2115, Garage Work Equipment includes the original cost of tools and equipment used to maintain items included in Accounts 2112, 2113, 2114. Items such as Air compressors, car hoists, garage jacks, gasoline pumps etc.

Account 2116, Other Work Equipment includes the original cost of power operated equipment, general purpose tools and other items of work equipment.

The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation). These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study year.

Cell: A21
Comment: General Support Assets

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

General Support Assets: Included in this factor are accounts 2111, 2121-23,1220, 2681.1,.9, 2682.1.

Account 2111, Land includes the original cost of all land held in fee and of easements, and similar rights in land having a term of more than one year used for purposes other than the location of outside plant or externally mounted central office equipment.

Account 2121, Buildings includes the original cost of buildings, and the cost of all permanent fixtures, machinery, appurtenances and appliances installed as a part thereof. It shall include costs incident to the construction or purchase of a building and to securing possession and title.

Account 2123, Office Equipment includes the original cost of office equipment in offices, shops and all other quarters. Account 1220, Inventories includes the cost of material and supplies held in stock and inventories of goods held for resale or lease.

Account 2681.1,9, Land and Buildings and Other are: amounts recorded in this account at the inception of a capital lease shall be equal to the original cost, if known, or to the present value not to exceed fair value, at the beginning of the lease term, of minimum lease payments during the lease term, excluding that portion of the payments representing executory costs to be paid by the lessor, together with any profit thereon.

Account 2682.1, Land & Buildings, this account shall include the original cost of lease hold improvements made to telecommunications plant held under a capital or operating lease, which are subject to amortization treatment. The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation) where applicable. These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study

Cell: A22
Comment: General Purpose Computers
General Purpose Computers: Included in this factor are accounts 2124, 2681.3 & 4 and 2682.2.

Account 2124, General Purpose Computers includes the original cost of computers and peripheral devices which are designed to perform general administrative information processing activities.

Account 2681.3 & 4 Computers and Computer Software Capital leases, includes the amounts recorded in this account at the inception of a capital lease shall be equal to the original cost, if known, or to the present value not to exceed fair value, at the beginning of the lease term, of minimum lease payments during the lease term, excluding that portion of the payments representing executory costs to be paid by the lessor, together with any profit thereon.

Account 2682.2 Computer Leasehold Improvements, this account shall include the original cost of lease hold improvements made to telecommunications plant held under a capital or operating lease, which are subject to amortization treatment. The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation) where applicable. These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study year where applicable.

Cell: A23
Comment: Uncollectible - Interconnect
Uncollectible - Interconnect: included in this factor is Account 5301.4 & .5 and Account 5302.

Account 5301.4 Interstate - Carrier Access Services (Uncollectibles) include the accruals to the reserve to provide for the write-offs of uncollectible interstate operating revenues arising from CABS services.

Account 5301.5 Intrastate - Carrier Access Services (Uncollectibles) include the accruals to the reserve for

the write-offs of uncollectible intrastate operating revenues arising from CABS services.

Account 5302 Uncollectible Revenue - Other this account shall be charged with amounts concurrently credited to account 1190, Other Accounts Receivable, or to Account 1191, Accounts Receivable Allowance - Other, when such allowance is maintained.

Cell: A24
Comment: Accounting and Finance Expense
Accounting and Finance Expense: Included in this factor is Account 6721, Accounting and Finance Expense. This includes the costs incurred in providing accounting and financial services. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A25
Comment: Human Resources Expense
Human Resources Expense: Included in this factor is Account 6723, Human Resources Expense. This includes the costs incurred in performing personnel administration activities such as Equal Employment Opportunity and Affirmative Action Programs, General Employment Services, Employee data for forecasting, planning and reporting etc. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A26
Comment: Information Management Expense
Information Management Expense, account 6724: Included in this factor are costs incurred in planning, developing, testing, implementing and maintaining data bases and application systems for general purpose computers. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A27
Comment: Intangibles
Intangibles, Account 2690: Includes the cost of organizing and incorporating the company, the original cost of government franchise, the original cost of patent rights, and other intangible property having a life of more than one year and uses in connection with the company's telecommunications. The investment in this account is converted to expense to calculate the factor. This is done by multiplying the investment dollars by Cost of Money & Income Tax factors. These expenses are also adjusted with inflation factors to bring expenses to study year.

Cell: A32
Comment: Common factors are developed for expenses that cannot be directly or indirectly assigned to a service but are needed for the operation of the business that provides the service (i.e., executive expense.)

Cell: A33
Comment: Executive Expense
Executive Expense, account 6711: Included in this numerator is executive expense which shall include costs incurred in formulating corporate policy and in providing overall administration and management. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A34
Comment: Planning Expense
Planning Expense, account 6712: Included in this factor are costs incurred in developing and evaluating long-term courses of action for the future operations of the Company. This includes performing corporate

organization and integrated long-range planning, including management studies, options and contingency plans, and economic strategic analysis. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A35
Comment: External Relations Expense
External Relations Expense, account 6722: Included in this factor are costs incurred in maintaining relations with government, regulators, other companies and the general public. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A36
Comment: Legal Expense
Legal Expense, account 6725: Included in this factor are costs incurred in providing legal services. This includes conducting and coordinating litigation, providing guidance on regulatory and labor matters, preparing, reviewing and filing patents and contracts and interpreting legislation. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A37
Comment: Other Procurement Expense
Other Procurement Expense, account 6726: Included in this factor are costs incurred in procuring material and supplies, including office supplies. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A38
Comment: Research and Development Expense
Research and Development Expense, account 6727: Included in this factor are costs incurred in making planned search or critical investigation aimed at discovery of new knowledge. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A39
Comment: Other General and Administrative Expenses
Other General and Administrative Expenses, account 6728: Included in this factor are costs incurred in performing general administrative activities not directly charged to the user, and not provided for in other accounts. This includes providing general reference libraries, food services, archives, general security investigation services, operating official private branch exchanges in the conduct of the business and telecommunications and mail services. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

CAPCOST FACTORS								
Compliance Phase IIa 1/08/03 2:04:30 PM								
		Cost_of_Money	0.09607789	PreTax COM	0.13590312		State:	Arizona
		Cost_of_Debt	0.0739	PostTax COM	0.0821817			
		Debt_Ratio	0.4757					
		Discount_Rate	0.09607789					
			Depreciation	Cost of Money	Income Tax	Total CAPCOST	Ad Valorem	Maintenance
Acct	FRC	Account Name	A	B	C	D	E	F
2111	20C	Land	0.000000	0.091673	0.037885	0.129558	0.013621	0.047153
2212	164C	Motor Vehicles	0.101719	0.045155	0.018661	0.165535	0.013621	
2112	1364C	Aircraft	0.000000	0.000000	0.000000	0.000000	0.013621	
2114	464C	Spec. Purpose Vehicles	0.062112	0.055893	0.023098	0.141102	0.013621	
2115	264C	Garage Work Equipment	0.075912	0.055424	0.022905	0.154241	0.013621	
2116	564C	Other Work Equipment	0.080870	0.056271	0.023255	0.160396	0.013621	
2121	110C	Building	0.029833	0.068316	0.028232	0.126382	0.013621	0.047153
2122	161C	Furniture	0.127074	0.045928	0.018980	0.191983	0.013621	
2123	261C	Office Equipment	0.153300	0.045994	0.019008	0.218302	0.013621	
2124	361C	General Purpose Comp.	0.196053	0.045115	0.018644	0.259812	0.013621	
2212	377C	Digital Switch	0.104217	0.041985	0.017351	0.163553	0.013621	0.028112
2220	117C	Operator Systems	0.109083	0.041006	0.016946	0.167034	0.013621	0.036430
2231	67C	Radio Microwave	0.083467	0.048405	0.020004	0.151876	0.013621	0.021684
2232.1	157C	Digital Data System	0.129496	0.042526	0.017574	0.189597	0.013621	0.004235
2232.2	257C	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.014310
2232.2	257CS	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.013913
2232.2	257CSP	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.013913
2232.3	357C	Other Digital Equipment	0.108162	0.042094	0.017396	0.167652	0.013621	0.021897
2232.3	357CS	Other Digital Equipment	0.108162	0.042094	0.017396	0.167652	0.013621	0.021500
2232.4	457C	Pair Gain—Analog	0.135673	0.041961	0.017341	0.194975	0.013621	0.107234
2232.5	57C	Other Analog Equipment	0.135673	0.041961	0.017341	0.194975	0.013621	0.186051
2351	188C	Public Telephones	0.088608	0.058329	0.024105	0.171042	0.013621	-
2362	858C	Chan. Term. Eq.	0.144118	0.060033	0.024809	0.228960	0.013621	0.068275
2411	1C	Poles	0.086285	0.043560	0.018001	0.147846	0.013621	0.005325
2421.11,.21	52C	Aerial Cbl Metallic	0.119302	0.052225	0.021583	0.193109	0.013621	0.136398
2421.11	42C	Aerial Drop	0.119302	0.052225	0.021583	0.193109	0.013621	0.136398
2421.12,.22	852C	Aerial Cbl Nonmetallic	0.101534	0.051572	0.021313	0.174419	0.013621	0.017003
2422.11,.21	5C	UG Cbl Metallic	0.077163	0.054589	0.022559	0.154312	0.013621	0.044297
2422.12,.22	85C	UG Cbl Nonmetallic	0.090006	0.056152	0.023205	0.169364	0.013621	0.018093
2423.11,.21	45C	Buried Cbl Metallic	0.094367	0.055165	0.022797	0.172329	0.013621	0.099529
2423.11	35C	Buried Drop	0.094367	0.055165	0.022797	0.172329	0.013621	0.099529
2423.12,.22	845C	Buried Cbl Nonmetallic	0.066227	0.053779	0.022225	0.142231	0.013621	0.016432
2424.11,.21	6C	Submarine Cbl., Exch., Metallic	0.081512	0.058031	0.023982	0.163525	0.013621	0.014958
2424.12,.22	86C	Submarine Cbl., Exch., Nonmetallic	0.126675	0.062288	0.025741	0.214704	0.013621	0.014958
2426.1	62C	Intrabuilding Cbl., Exch., Metallic	0.060972	0.056063	0.023169	0.140203	0.013621	0.075692
2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	0.098955	0.058895	0.024339	0.182189	0.013621	0.023575
2431	3C	Aerial Wire	0.146067	0.074990	0.030990	0.252048	0.013621	0.018401
2441	4C	Conduit System	0.022718	0.058123	0.024020	0.104860	0.013621	0.005478

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

Cell: D7
Comment: Depreciation

Two types of depreciation are involved in the determination of recurring capital costs - book depreciation and tax depreciation. Book depreciation is the repayment of invested capital and is a direct component of capital costs. On the other hand, tax depreciation is not a component of capital cost, but is a schedule of expense deductions used in determining income tax expense. Both depreciation amounts must be separately calculated because most likely, they will differ in timing and amount.

Book depreciation amounts are determined by: (1) total investment, less net salvage, in assets: and (2) estimated life characteristics. The life characteristics are average economic life and survivor shape that are either anticipated or actually experienced at U S West Communications. Several methods are available to calculate book depreciation, however at U S West Communications, the straight-line equal-life group (ELG) method is applied. For service costs studies, ELG allows the depreciation amounts per unit to be "deaveraged" within each vintage of a category.

Tax depreciation is of interest because of its effect on income taxes. Tax depreciation is calculated separately from book depreciation because amounts and timing will differ from book depreciation. This is because, for example, income tax regulations permit using accelerated tax depreciation on most new investments. With accelerated tax depreciation, tax deduction amounts are claimed in greater amounts during the earlier years of an asset's life than during the later years.

To summarize, book depreciation repays capital and is a component cost; whereas, tax depreciation determines the expense deduction used in determining income tax liability.

Cell: E7
Comment: Post Tax Income (Return) (Cost Of Money)

Although invested capital can be repaid in various ways over its life, the capital repayment required will always be the same. However, the cost for the use of this capital varies directly with the time it takes to pay it back. An analogous situation for individuals would be the interest costs on the remaining balance of a home mortgage, which depend on the length of the mortgage. For example, more total interest is paid on a 30-year mortgage than on a mortgage lasting 25 years.

In cost studies, these interest costs are the return owed the investors for the use of their capital, and the company would need to pay this return until capital is fully repaid. The sum of the capital repayment and the associated return is called the capital recovery cost. Of course, in actual practice, investors are partially paid back directly (dividends), and the remaining capital repayment (retained earnings) is reinvested in new plant on behalf of them.

Because the assumed rate is the interest cost of an investment, it is often called the cost of money. And this cost of money is really a composite of the different returns for debt and equity capital. The proportion of debt and equity in the company's capital structure is therefore expressed as the debt ratio, and is used to calculate the composite cost of money as follows:

COMPOSITE COST OF MONEY = (DEBT RATIO X % COST OF DEBT)+(EQUITY RATIO X % COST OF EQUITY)

WHERE; EQUITY RATIO = (1-DEBT RATIO)

The composite cost of money is then used to calculate a schedule of equal payments made over time to repay both capitalized amounts, and a return amount to the investor. Even though each payment is the same, the apportionment between repayment of invested capital and return to the investor changes. The share representing invested capital repaid increases with each payment, and therefore, return to the investor decreases with each payment. Likewise, the principle portion of a home mortgage monthly payment increases each month, and the interest portion declines, even though, the total monthly payment remains the same.

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

The amount of money representing the return to the investors is called Post Tax Income. The title "post tax income" is somewhat of a misnomer however, since only return on equity is truly post tax income; return on debt is applied as a reduction to revenue thereby reducing taxable income used to compute income tax expense.

Cell: F7
Comment: Income Tax Expense
Along with capital repayment and return, income taxes are incurred on the return required for the equity portion of the capital. Income taxes are involved because federal and state tax regulations provide for taxing remaining income after payment of operations costs and other deductible amounts. These income taxes are then a portion of the revenue required to meet the capital costs of the undertaking.

Income tax expense does not reflect the actual taxes U S West pays; but instead, it represents the taxes that are reported as paid on the income statement. The difference between the income tax expense and the taxes owed (paid) is due to the treatment of accelerated depreciation.

Cell: G7
Comment: Total Capital Costs
In summary, total capital costs consist of three components: capital repayment (depreciation), return (post tax income) and income tax expense. The sum of the first two components, depreciation and post tax income, has been defined as capital recovery. The present worth of the capital costs is therefore the sum of the present worth of the capital recovery costs and the present worth of the tax expenses.

Cell: H7
Comment: The Ad Valorem Tax Factor is used to provide an estimate of the Ad Valorem tax costs that are associated with investments. It was developed for use in estimating the total operating expense associated with central office equipment. public coin equipment, and outside plant equipment. The data sources utilized for this are (numerator) Account 7240.1 Property Taxes and (denominator) Account 2001 Total Telephone Plant in Service.

Cell: I7
Comment: There are 23 maintenance factors. Each of these maintenance factors are developed on a state by state basis using expenses and investments relative to the account under study.

Maintenance factors are developed by taking the adjusted levels of 'M' expense dollars and dividing them by adjusted investment associated with a particular account. Power, subscriber line testing and trunk testing factors are added to most accounts to get the final maintenance factor. Maintenance expense is calculated by multiplying the maintenance factor times total investment for an account under study.

Appendix - Factors, Investment Loadings and ICM Inputs
Billing

	A	B	C	D	E	F
1	BASIC SERVICE: U S WEST COST RESULTS FOR MODEL INPUT					
2	FACTORS INCLUDED: NONE					
3	STUDY YEAR: 2000 - USW					
4	MINUTE OF USE - IABS (LIS SWITCHING AND PORTS)					
5						
6	Unit: Minute of Use					MOU
7						
8	TOTAL					
9		INVESTMENT				$0.000111
10		EXPENSE				$0.000277
11						
12						
13	BILLING AND COLLECTION: U S WEST COST RESULTS FOR MODEL INPUT					
14	FACTORS INCLUDED: NONE					
15	STUDY YEAR: 2000 - USW WHOLESALE					
16	ACCOUNT - CRIS (LIS - LINK AND SPNP)					
17						
18	Unit: Per Electronically Billed Line					ACCOUNT
19						
20	TOTAL					
21		INVESTMENT				$0.000112
22		EXPENSE				$0.016467
23						
24						
35						
36	BILLING AND COLLECTION: U S WEST COST RESULTS FOR MODEL INPUT					
37	FACTORS INCLUDED: NONE					
38	STUDY YEAR: 2000 - USW					
39	FACTOR DEVELOPMENT - IABS (LIS DEDICATED, COLOCATION, EICT)					
40						
41	Unit: Factor					0.004304
42						
43	MESSAGE TOLL SERVICE: U S WEST COST RESULTS FOR MODEL INPUT					
44	FACTORS INCLUDED: NONE					
45	STUDY YEAR: 2000 - USW WHOLESALE					
46	MTS - CRIS (DA AND OPR. SVCS.)					
47						
48	Class of Service: MTS per Message					ACCOUNT
49						
50	TOTAL					
51		INVESTMENT				$0.000095
52		EXPENSE				$0.014184
53						
54						
55	Sheet Updated on 2/2/2001					

Appendix - Factors, Investment Loadings and ICM Inputs
Billing

Cell: A6
Comment: Per Minute is based on originating plus terminating end office switching minutes.

Appendix - Factors, Investment Loadings and ICM Inputs
L & B Factors

	A	B	C	D	E
1	Compliance Phase IIa 1/08/03 2:04:30 PM				
2	CENTRAL OFFICE LAND AND BUILDING				
3	These are not calculated in the Model				
4		1999			
5					
6		BLDG TO	BLDG TO	LAND TO	LAND TO
7		SWITCH	CIRCUIT	SWITCH	CIRCUIT
8		FACTOR	FACTOR	FACTOR	FACTOR
9					
10	Arizona	0.0418	0.0408	0.0036	0.0035

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Loadings

2001 Investment Loadings					
Not calculated in model					
	Power	**Sales Tax**	**Telco Engineering**	**Interest During Construction**	**Total Loading Factor**
	A	B	C	D	E=((1+A)*(1+B)*(1+C))/(1-D)
Arizona	0.0383	0	0.1105	0.0104	**1.1651**

These Investment Loadings are defined in the Investment Loading Factors Technical Description (Loadings.pdf)

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Loadings

Cell: B4
Comment: The purpose the Power and Miscellaneous Equipment factor is to estimate the investment in power plant required to provide back-up power for central office equipment, and to estimate any miscellaneous equipment investment not included in the Engineered, Furnished and Installed (EF&I) investment (i.e., tools, ladders, miscellaneous frames and portable generators).

Cell: C4
Comment: The purpose of the sales tax factor is to provide an estimate of the sales tax costs that are associated with investments. The factor can be used, in conjunction with other factors and data, to develop total installed investment.

Cell: D4
Comment: The purpose of the Telco Engineering Factor is to estimate the U S WEST Communications labor costs, over and above the engineered, furnished and installed (EF&I) costs, which are capitalized as part of central office (CO) equipment installation.

Cell: E4
Comment: The Interest During Construction (IDC) factor is used to estimate the interest that accrues during the time plant is under construction. It is, in effect, the Prime Rate (Rate of Return in state of Colorado) applied to the plant under construction and accounts for the return needed from the time of asset acquisition to the provisioning of service.

Appendix - Factors, Investment Loadings and ICM Inputs
Run Data

	A	B	C
1	Compliance Phase IIa 1/08/03 2:04:30 PM		
2			**Run_Name**
3	Run Name		Compliance Phase IIa 1/08/03 2:04:30 PM
4	Version		2.2
5			**State**
6	State		Arizona
7			**Zone_Type**
8	Zone Type		
19	Study ID#		7243
31			
38		**DS1**	
39	**Description**	**FRC**	**Run Data**
40			
58	**MULTIPLEXING DS1 TO DSO**	257C	**$8,907.57**

Study ID #7243

Compliance Phase IIa 1/31/03 8:33:20 AM

Arizona

Qwest

Integrated Cost Model Interconnection TELRIC Results

2001 Recurring Cost Study

Market Services & MSEA Economic Analysis

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Development of Total Product Costs	1
Investment Cost Calculation	2
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Section H - Line Information Database

Development of Total Product Costs	1
Investment Cost Calculation	2
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Development of Total Product Costs	1
Investment Cost Calculation	2
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Development of Total Product Costs	1
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Summary of Results

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Recurring Costs
Arizona

Cost Element	Investment	TELRIC	Common	TELRIC + Common
Section A - Unbundled Loop				
2 Wire				
Unbundled Loop (2 Wire) Statewide Average	906.64	24.56	0.92	25.49
Unbundled Loop (2 Wire) Zone 1	502.35	15.51	0.92	16.43
Unbundled Loop (2 Wire) Zone 2	750.22	21.19	0.92	22.11
Unbundled Loop (2 Wire) Zone 3	1293.30	32.96	0.92	33.88
4 Wire				
Unbundled Loop (4 Wire) Statewide Average	1813.27	49.10	1.85	50.95
Unbundled Loop (4 Wire) Zone 1	1004.69	30.99	1.85	32.84
Unbundled Loop (4 Wire) Zone 2	1500.44	42.36	1.85	44.21
Unbundled Loop (4 Wire) Zone 3	2586.60	65.90	1.85	67.74
Unbundled Loop Grooming				
Unbundled Loop Grooming (2 Wire)	69.45	1.50	0.06	1.56
Unbundled Loop Grooming (4 Wire)	160.60	3.45	0.13	3.58
Network Interface Device (NID)				
Network Interface Device (2 Wire) Statewide Average	42.98	1.31	0.05	1.36
Section B - Extension Technology				
2-Wire Extension Technology	182.05	3.91	0.15	4.06
2-Wire Extension Technology - Unbundled Loop Grooming	67.42	1.51	0.06	1.57
Section C - Line and Trunk Ports				
DS0 Analog Line Port	53.0542	1.2081	0.0455	1.2535
Each Addditional DS0 Analog Line Port	53.0542	1.2081	0.0455	1.2535
DS0 Trunk Port	667.0255	14.9382	0.5623	15.5005
DS1 Trunk Port	2411.1316	53.9414	2.0305	55.9720
ISDN BRI Port	300.1045	10.0007	0.3765	10.3771
ISDN PRI Port	9613.6825	215.0112	8.0937	223.1049
DID/PBX Trunk Port per DS0	142.2429	3.2019	0.1205	3.3224
Section D - Local Usage				
Local Switching UNE per Minute of Use	0.0076660	0.0024607	0.0000926	0.002553
Tandem Switching UNE per Minute of Use	0.0069573	0.0022495	0.0000847	0.002334
Local Switching LIS per Minute of Use	0.0058438	0.0020287	0.0000764	0.002105
Tandem Switching LIS per Minute of Use	0.0056084	0.0015040	0.0000566	0.001561
Tandem Switched Local Transport				
Fixed per Minute of Use 0 to 8 Miles	0.0016255	0.0004317	0.0000163	0.000448
Fixed per Minute of Use 8 to 25 Miles	0.0016564	0.0004399	0.0000166	0.000456
Fixed per Minute of Use 25 to 50 Miles	0.0015973	0.0004242	0.0000160	0.000440
Fixed per Minute of Use Over 50 Miles	0.0015437	0.0004100	0.0000154	0.000425
Distance Sensitive per Minute of Use per Mile from 0 to 8 miles	0.0001649	0.0000405	0.0000015	0.0000421
Distance Sensitive per Minute of Use per Mile from 8 to 25 miles	0.0000906	0.0000201	0.0000008	0.0000208
Distance Sensitive per Minute of Use per Mile from 25 to 50 miles	0.0000463	0.0000104	0.0000004	0.0000107
Distance Sensitive per Minute of Use per Mile over 50 miles	0.0000165	0.0000037	0.0000001	0.0000039
Section E - Entrance Facilities and Direct Trunked Transport				
Entrance Facilities/E-UDIT With Customer Location Electronics				

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Recurring Costs
Arizona

Cost Element	Investment	TELRIC	Common	TELRIC + Common
DS1 Entrance Facility/E-UDIT with Customer Location	3775.53	82.07	3.09	**85.16**
Electronics				
Electronics	20862.91	433.98	16.34	**450.32**
Multiplexing				
Multiplexing DS3 to DS1	10250.32	219.77	8.27	**228.05**
Multiplexing DS1 to DS0	9302.18	199.44	7.51	**206.95**
DS1 Direct Trunked Transport				
Over 0 to 8 Miles, Fixed	1326.33	29.48	1.11	**30.59**
Over 0 to 8 Miles, Per Air Mile	74.30	1.37	0.05	**1.42**
Over 8 to 25 Miles, Fixed	1337.49	29.73	1.12	**30.85**
Over 8 to 25 Miles, Per Air Mile	61.07	1.11	0.04	**1.16**
Over 25 to 50 Miles, Fixed	1357.31	30.17	1.14	**31.30**
Over 25 to 50 Miles, Per Air Mile	108.23	2.02	0.08	**2.10**
Over 50 Miles, Fixed	1355.75	30.13	1.13	**31.27**
Over 50 Miles, Per Air Mile	56.68	1.06	0.04	**1.10**
DS3 Direct Trunked Transport				
Over 0 to 8 Miles, Fixed	8412.92	186.79	7.03	**193.83**
Over 0 to 8 Miles, Per Air Mile	3103.70	57.91	2.18	**60.09**
Over 8 to 25 Miles, Fixed	8542.17	189.66	7.14	**196.80**
Over 8 to 25 Miles, Per Air Mile	1053.07	17.78	0.67	**18.45**
Over 25 to 50 Miles, Fixed	7862.68	174.58	6.57	**181.15**
Over 25 to 50 Miles, Per Air Mile	1195.63	22.46	0.85	**23.31**
Over 50 Miles, Fixed	8305.37	184.41	6.94	**191.35**
Over 50 Miles, Per Air Mile	817.13	15.47	0.58	**16.05**
Section F - Intentionally Left Blank				
Section G - 8XX Database Services				
Basic Query	0.00143254	0.01900610	0.00071545	**0.01972155**
Call Handling and Destination	0.00000582	0.00000156	0.00000006	**0.00000162**
POTS Translation	0.00000194	0.00000052	0.00000002	**0.00000054**
Section H - Line Information Database				
LIDB per Query	0.0018155	0.0008932	0.0000336	**0.0009268**
Section I - Signaling				
TCAP Signal Transport	0.000640	0.0002759	0.0000104	**0.0002863**
TCAP Signal Switching	0.001532	0.0005448	0.0000205	**0.0005653**
ISUP Signal Formulation	0.005375	0.0019191	0.0000722	**0.0019913**
ISUP Signal Transport	0.002781	0.0012447	0.0000469	**0.0012916**
ISUP Signal Switching	0.002160	0.0008701	0.0000328	**0.0009029**
STP Port	10209.84	236.37	8.90	**245.27**
Section J - Shared Transport				
Shared Transport per MOU	0.004100	0.001438	0.000054	**0.001492**
Section K - Unbundled Dedicated Interoffice Transport (UDIT)				
Multiplexing				
Multiplexing DS3 to DS1	10250.32	219.77	8.27	**228.05**
Multiplexing DS1 to DS0	9302.18	199.44	7.51	**206.95**
DS0 UDIT				
Over 0 to 8 Miles, Fixed	820.19	18.24	0.69	**18.93**
Over 0 to 8 Miles, Per Air Mile	6.88	0.13	0.00	**0.13**

Summary of Results

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Recurring Costs
Arizona

Cost Element	Investment	TELRIC	Common	TELRIC + Common
Over 8 to 25 Miles, Fixed	821.19	18.26	0.69	**18.95**
Over 8 to 25 Miles, Per Air Mile	5.92	0.11	0.00	**0.11**
Over 25 to 50 Miles, Fixed	822.69	18.29	0.69	**18.98**
Over 25 to 50 Miles, Per Air Mile	6.01	0.11	0.00	**0.12**
Over 50 Miles, Fixed	820.87	18.25	0.69	**18.94**
Over 50 Miles, Per Air Mile	2.85	0.05	0.00	**0.06**
DS1 UDIT				
Over 0 to 8 Miles, Fixed	1326.33	29.48	1.11	**30.59**
Over 0 to 8 Miles, Per Air Mile	74.30	1.37	0.05	**1.42**
Over 8 to 25 Miles, Fixed	1337.49	29.73	1.12	**30.85**
Over 8 to 25 Miles, Per Air Mile	61.07	1.11	0.04	**1.16**
Over 25 to 50 Miles, Fixed	1357.31	30.17	1.14	**31.30**
Over 25 to 50 Miles, Per Air Mile	108.23	2.02	0.08	**2.10**
Over 50 Miles, Fixed	1355.75	30.13	1.13	**31.27**
Over 50 Miles, Per Air Mile	56.68	1.06	0.04	**1.10**
DS3 UDIT				
Over 0 to 8 Miles, Fixed	8412.92	186.79	7.03	**193.83**
Over 0 to 8 Miles, Per Air Mile	3103.70	57.91	2.18	**60.09**
Over 8 to 25 Miles, Fixed	8542.17	189.66	7.14	**196.80**
Over 8 to 25 Miles, Per Air Mile	1053.07	17.78	0.67	**18.45**
Over 25 to 50 Miles, Fixed	7862.68	174.58	6.57	**181.15**
Over 25 to 50 Miles, Per Air Mile	1195.63	22.46	0.85	**23.31**
Over 50 Miles, Fixed	8305.37	184.41	6.94	**191.35**
Over 50 Miles, Per Air Mile	817.13	15.47	0.58	**16.05**
OC3 UDIT				
Over 0 to 8 Miles, Fixed	27949.61	620.42	23.35	**643.77**
Over 0 to 8 Miles, Per Air Mile	10122.74	194.67	7.33	**202.00**
Over 8 to 25 Miles, Fixed	28165.88	625.22	23.54	**648.75**
Over 8 to 25 Miles, Per Air Mile	3667.69	62.59	2.36	**64.95**
Over 25 to 50 Miles, Fixed	26996.86	599.27	22.56	**621.82**
Over 25 to 50 Miles, Per Air Mile	4270.51	81.48	3.07	**84.55**
Over 50 Miles, Fixed	27746.49	615.91	23.18	**639.09**
Over 50 Miles, Per Air Mile	3046.97	57.70	2.17	**59.87**
OC12 UDIT				
Over 0 to 8 Miles, Fixed	78380.90	1739.86	65.49	**1805.35**
Over 0 to 8 Miles, Per Air Mile	5157.71	92.54	3.48	**96.02**
Over 8 to 25 Miles, Fixed	78380.90	1739.86	65.49	**1805.35**
Over 8 to 25 Miles, Per Air Mile	5392.04	89.54	3.37	**92.91**
Over 25 to 50 Miles, Fixed	78380.90	1739.86	65.49	**1805.35**
Over 25 to 50 Miles, Per Air Mile	5506.51	101.07	3.80	**104.87**
Over 50 Miles, Fixed	78380.90	1739.86	65.49	**1805.35**
Over 50 Miles, Per Air Mile	6162.48	115.59	4.35	**119.94**
E-UDIT Without Customer Location Electronics				
DS1 E-UDIT Without Customer Location Electronics	2411.71	52.81	1.99	**54.80**
DS3 E-UDIT Without Customer Location Electronics	14711.97	300.34	11.31	**311.65**
OC3 E-UDIT Without Customer Location Electronics	32645.23	655.74	24.68	**680.42**

Summary of Results

Cell: A2
Comment: Results are from the Develop Total Product Costs Spreadsheets which are the first pages in each section.

Cell: A6
Comment: Section A - UNBUNDLED LOOP

Description

Unbundled Loops establish a transmission path between the Qwest distribution frame (or equivalent) and the network interface (NI) of the Competitive Local Exchange Carrier's (CLEC) end user. Unbundled loop is available in either a two-wire or four-wire configuration. The actual loop facilities that provide the service may utilize various technologies.

The investments in Unbundled Loops are calculated on a statewide average basis and on a de-averaged basis in up to five zones. Zones are calculated on a MSA (wire center) basis or on the basis of distance from the wire center. Investments are also separated into Feeder, Distribution and Network Interface Device (NID). NID is only on a statewide average basis.

Investment Development

Feeder

Feeder is the main cable leaving the central office, extending to the point where distribution facilities are interconnected. LoopMod builds facilities from the most distant location in each quadrant back to central office, adding demand along the route. The data includes the line demand at the SAI (also sometimes referred to as a Feeder Distribution Interface or FDI), the sub-feeder or lateral length and the main feeder length. At each taper point the line demand is incremented to show total demand used for cable sizing. In addition the distance at each location is used in determining the technology and placement methodology that will be utilized. If the technology used is fiber based DLC, the demand is shown as number of fibers required to support the DLC remote terminals. If the technology selection is copper cable, the demand is shown as copper pairs required. The engineering fill factor is applied to this demand to determine the copper cable size or to determine the DLC size the program will utilize.

Distribution

Distribution is the cable that connects with the feeder and extends the loop to a termination point (i.e., pole or pedestal) near a home or workplace. Distribution is modeled differently than feeder. Generic distribution designs are specified for a range of neighborhoods and business districts, based on the density of access lines. The average investment by component for each design is multiplied by the design percents to produce a distribution investment for each kilofoot of loop length within each wire center group.

The Distribution Group designs are adjusted in LoopMod V2.0 to reflect the density differences that occur DA to DA. Information about each DA is matched against density and building entrance terminal rules to map each DA to the appropriate DG design. The lot oriented designs (DG3, DG4 & DG5) are then adjusted based on a cable multiplier that reflects the difference between the standard design lot frontage and the frontage calculated for each individual DA.

Network Interface Device (NID) Costs are included in the Distribution costs. NID cost is also calculated separately for sell as a separate UNE when the customer does not purchase distribution.

Drop

The service wire or drop is a two to six pair facility that extends from the NID to the terminal on the distribution cable. The terminal contains a connecting block with lugs for terminating the drop wires. Where demand exceeds a certain level, entrance cables, not drops, are used and are terminated on building terminals. The costs for drop are included in the distribution costs.

Network Interface Device (NID)

The NID provides electrical protection and a point of interface between the drop or building entrance cable and the customers' inside wire. The NID may be housed in a small case on the side of residence or business, or it may be in a larger outside wall mounted building terminal for apartment buildings or small office buildings. In high density situations the NID would likely be associated with a terminal in the building basement or equipment closet.

Loop Grooming

The demultiplexing of unbundled loops on integrated digital loop carrier (DLC) uses two options. The first is based on a scenario involving TR-303 DLC in which the unbundled loops are pre-assigned to particular DS1s. These DS1s are routed from the DLC CO multiplexer through a DSX to a Universal DLC COT to demultiplex to a DS0 level and connect to a Main Distribution Frame. The second scenario option assumes a TR-008 DLC with all DS1s passing through the UDLC to groom out the unbundled DS0s and connect them to a Main Distribution Frame. Both options use a Litespan 2000 UDLC COT. Loop Grooming costs are calculated separately.

Billing and Collections

Per line Billing and Collections investments and direct expenses are calculated in a separate study and are input to the QwestICM model.
All Loop costs include Billing and Collections.

Cell: A30
Comment: Section B - EXTENSION TECHNOLOGY
Description
2 Wire Extension Technology for Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) is an unbundled element which extends the ISDN BRI signal when the Competitive Local Exchange Carrier's (CLEC's) end user's unbundled loop has more than 40 decibels in loss measured at 40 kHz (based upon 2 Binary 1 Quantinary (2B1Q) line encoding), or the distance is beyond approximately 18 kilofeet between the Company's distribution frame (or equivalent) and the Network Interface (NI) of the Competitive Local Exchange Carrier's (CLEC) end user, where facilities are available.

Investment Development

Unbundled loop investments were obtained from the RLCAP cost model. The model was run twice, once at 100 percent pair gain with POTS and once at 100 percent ISDN with pair gain. The difference between the two sets of investments is the loop investment associated with 2-Wire Extension Technology for ISDN BRI Service.

In order to hand off the ISDN BRS line at a DS0 level, two additional DACS channels, two additional AD4 channel bank channels and one D4 BRITE card are required. The investments associated with this additional equipment are calculated in the Extension Technology cost study via a spreadsheet named DEMUXBRI.XLS.

The incremental loop investment and the investments for the additional equipment are added together to produce the total investment for Extension Technology.

Cell: A35
Comment: Section C - Line Ports
ANALOG LINE PORT
Description
Analog Line Port provides for the interconnection of individual loops to the switching components of the QWEST network. Ports provide access to the basic functionality of the switch, including signaling digit reception and translations, routing and rating, call supervision as well as access to interoffice services. An analog end office port is a two-wire, POTS type line side switch connection.

Cost Methodology
A monthly End Office Port cost is the cost associated with connecting a CLEC line to a QWEST end office switch. The line is assumed to be a copper DS0 pair - not an ISDN line nor a TR-303 or TR-008 integrated line, which has been traditionally referred to as a digital line. It is assumed to be connected to an analog line unit. This cost element is the NTS COE in the switch itself and the associated use of an OE (office equipment) block on the MDF. The labor to cross connect the OE block to the Tie Pair block which terminates the Expanded Interconnect Channel Termination (EICT) is not included in this rate element.

The methodology was to take the Investment per Analog Line and the Investment per MDF OSP Pair from the Switch Module. Because the Investment per Analog Line includes both the MDF OE block and the MDF OSP block, the OSP block investment was removed by subtracting the Investment per MDF OSP Pair from the Investment per Analog Line. Because the cost for the MDF is only broken down for the 5ESS and DMS host switches, the weighted average Investment per MDF OSP Pair for these two switches was subtracted from the weighted average Investment per Analog Line for all switches.

The following switches were eliminated from the statewide average: switches that had no analog lines - e.g., hosts without any lines directly connected to the host or remote switches that were ISDN only.

Cell: A37
Comment: DS0 Trunk Port
DESCRIPTION
The DS0 analog trunk port connects the co-provider to a metallic interface at the common ICDF (or equivalent) in a Qwest central office. The interfaces support a 2-wire or a 4-wire transmission.
STUDY METHODOLOGY
DS0 ANALOG TRUNK Port investment was developed by dividing the DS1 Trunk Port in the Switch Usage Model (SUM) by 24 channels. Then adding the DS1 – DS0 multiplexing investment divided by 24 channels. The sum of the two was divided by the utilization factor.
Billing and collections are also part of this study.

Cell: A38
Comment: DS1 Trunk Port
DESCRIPTION
A DS1 Trunk Port is an unbundled switching product that provides a Co-Provider 4-wire DS1 metallic interface at the common ICDF (or

equivalent) within the Qwest central office. The DS1 unbundled trunk port supports up to 24 DS0 channelized trunks. This DS1 trunk port does not provide ISDN PRI capabilities.

STUDY METHODOLOGY
The DS1 Trunk Port investment was developed in the Switch Model (SM).

Billing and collections are also part of this study.

Cell: A39
Comment: BRI ISDN Port
DESCRIPTION
Basic Rate Interface Integrated Services Digital Network (BRI ISDN) is a digital architecture that provides integrated voice and data capability. The Unbundled BRI- ISDN Digital Line Port provides access for the interconnection of the individual loops to the switching components of the USW BRI ISDN network for access to voice, data, image and facsimile functionality. The serving arrangement conforms to the internationally developed, published and recognized standards generated by International Telegraph and Telephone Union (formerly CCITT).

An Unbundled BRI – ISDN Digital Line Port is a digital 2B+D (2 bearer channels for voice or data and 1 delta channel for signaling and D channel packet) line side switch connection with BRI ISDN voice and data basic elements. The Unbundled BRI – ISDN Digital Line Port has interLATA and intraLATA (where available) carrier choice, access to 911 and USW operator services.

The BRI – ISDN Port includes the following:
Non-traffic Sensitive Central Office Equipment
Software Right to Use
Traffic Sensitive – Originating BRI
Traffic Sensitive – Terminating BRI
Standard Features
D – Channel Packet x.75 Link
Billing and Collections

The standard feature list includes:
2B+D
Primary Directory Numbers (2)
Call Appearances (2)
Normal Ringing
Caller ID Number Blocking per line

Any additional features available in the switch requested by the customer will be handled on an ICB basis.

STUDY METHODOLOGY
Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use Switching Module (SM) for digital stored program controlled central offices. The switch investments include processor time, memory and hardware appropriate for each feature. Feature utilization data pertaining to each type of feature is input into SM to develop an incremental Engineered, Furnished and Installed (EF&I) feature investment. SM input data is projected by using historical traffic data and best estimates of feature utilization. The switch investments are at a 2000 level.

DACs Port and ISDN end office equipment port and Digipac Port investments are calculated by loading vendor-installed price with power, sales tax (where applicable), land and building, and interest during construction. Link investment between end office and ISDN DAC and between DACs is calculated by the Transport Module (TM). Link investments are added to DACs Port and ISDN End Office equipment and Digipac Port investments and averaged over the number of forecasted ISDN lines.

RTU fees include RTU buy out cost which is averaged over all forecasted and actual Qwest ISDN lines in the 14 state area and additional fees paid per BRI ISDN port by switch type. These fees are added together and levelized over 16.5 years.

Billing and collections are also part of this study.

The investments are converted to monthly costs using monthly cost factors. Factors are represented as investment based and expense based.

Cell: A40
Comment: ISDN PRI Port
DESCRIPTION
Primary Rate Interface Digital ISDN trunk port is a switch termination supporting PRI ISDN functionality. PRI trunk port requires a digital four wire full duplex transmission path between ISDN compatible Customer Premises Equipment (CPE) and a PRI ISDN equipped

central office.

The PRI central office equipped trunk port is a DS1 which provides 24 64 Kb/s channels. This product is dedicated call type of PRI with a maximum of 23 possible B channels. The 24th channel must be configured as a D channel, which will carry the signaling and control information. The B channels transmit voice and data.

The PRI – ISDN Port includes the following:
Software Right to Use
Standard Features
Billing and Collections

The standard feature list includes:
23B+D
Direct Inward Dialing (DID)
Direct Outward Dialing (DOD)
Calling Number Identification
Calling Number Identification Blocking – All Calls
Circuit Switched Data

Any additional features available in the switch requested by the customer will be handled on an ICB basis.

STUDY METHODOLOGY
These direct costs occur as a result of providing a PRI ISDN Port.

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Switch. The switch investments include processor time, memory and hardware appropriate for each feature. Feature utilization data pertaining to each type of feature is input into SM to develop an incremental Engineered, Furnished and Installed (EF&I) feature investment. SM input data is projected by using historical traffic data and best estimates of feature utilization. The switch investments are at a 2000 level.

Billing and collections are also part of this study.

Cell: A41
Comment: DID/PBX Trunk Port
DESCRIPTION OF SERVICE
The DID/PBX Trunk Port is an unbundled switching product that provides a Co- Provider the ability to connect a PBX (Private Branch Exchange) user utilizing the *DID (Direct Inward Dialing) functionality* to a Qwest DID capable central office.

DID is a special trunking arrangement that permits incoming calls from the exchange network to reach a specific PBX station directly without attendant assistance. DID service is offered with an analog or digital 2-way. If digital, the individual DSO's are 2-way trunks using advanced service that required DID ports. This product allows the Co-Provider to order DID numbers in blocks of 20. Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of incoming calls.

Additional line or trunk features not offered with the basic DID/PBX product, are available to the Co-Provider on an individual case basis. A subsequent order charge will apply to add or change features.

Usage costs are not included in the cost of the DID/PBX Trunk Port. Further, non-recurring charges for the port, first trunk ordered and each additional trunk apply. In addition, recurring and non-recurring charges apply to each DID feature.

STUDY METHODOLOGY: RECURRING COSTS

The costs identified are direct costs that occur as a result of providing a DID/PBX trunk port service. As stated in section "B", above, the analysis studies the trunk termination costs to provide both analog and digital trunk terminations within the central office. The total analog and digital investments are identified separately. The investments are averaged together based relative demand for analog and digital trunks. Central office costs include digital serving wire center offices only.

Costs are included for the following cost components:

Multiplexing Costs: *DID analog service requires a trunk side connection* which requires DS0 to DS1 muxing to channelize the DS0 to the DS1 level. These investments are acquired from the DS1 Private Line Transport Service Cost Study. Investments associated with multiplexing equipment are acquired from QWEST Network Engineering.

Main Distributing Frame Costs (MDF): The MDF portion of the central office costs include the equipment used in making the loop plant connections at the central office. Included in this cost are the "tip" or riser cables, a portion of the main distributing frame, connecting blocks, protectors, and miscellaneous wiring.

Summary of Results

DSX-1 Costs: The Digital Signal Cross Connect (DSX) frame serves as a standard cross connect frame for digital facilities terminating on the trunk side of the switch. Equipment that terminates at the DSX includes D-type banks, Digital Cross Connect Systems, (DCS), digital switches, and digital multiplexers.

Digital Line Trunk Unit (DLTU) Costs: The DLTU provides a direct interface between DS1 facilities and the switch.

Functionality & Processing Costs: DID Functionality & Processing for DID Trunks is part of a business service available to customers with PBX type equipment. DID Functionality & Processing allows incoming calls on digital one-way, analog two-way, analog one-way, and two-way digital primary channels for ISDN from the network to be routed directly to the appropriate station number without the assistance of an attendant. This analysis studies the trunk functionality & processing associated with a DID trunk at the central office.

Cell: A44
Comment: Section D Local Usage
Local switching UNE consists of:
1) Terminating Interoffice end office switching for one office.
2) Non-Chargable Intercept which includes limited mechanical announcements informing callers of new numbers, referral numbers and/or line status.
3) Billing and Collections which provides the billing mechanism for QWest to charge Competitive Local Exchange Carriers for use of the Qwest local network.
4) AMA measurement equipment which stores information regarding each call that is required for billing purposes.
5) End office measurement investment

Cell: A45
Comment: Tandem Switching UNE consists of:
1) This includes the usage sensitive cost of switching a call through a local tandem switch.
2) AMA measurement equipment which stores information regarding each call that is required for billing purposes.
3) Billing and Collections which provides the billing mechanism for Qwest to charge Competitive Local Exchange Carriers for use of the Qwest local network.

Cell: A46
Comment: Local switching LIS consists of:
1) Terminating Interoffice end office switching for one office.
2) Non-Chargable Intercept which includes limited mechanical announcements informing callers of new numbers, referral numbers and/or line status.
3) Billing and Collections which provides the billing mechanism for Qwest to charge Competitive Local Exchange Carriers for use of the Qwest local network.
4) Hewlett Packard measurement equipment which collects information regarding each call that is required for billing purposes.

Local Switching LIS does not include costs for SS7.

Cell: A47
Comment: Tandem Switching LIS consists of the usage sensitive cost of switching a call through a local tandem switch.

It does not inlude the cost of SS7.

Cell: A49
Comment: Tandem Switched Local Transport

Tandem Switched Local Transport provides the transmission path from the end office which originates a call through the local tandem switch to the end office which terminates the call. Tandem Switched Transport consists of two elements:

1) Fixed

This element identifies the usage sensitive costs associated with terminating interoffice facilities in end offices and tandem switches. These termination costs are stated on a per minute of use basis for each of the mileage bands.

2) Distance Sensitive

The costs identified in this element are also usage sensitive and are associated with the outside plant facilities and intermediate multiplexing equipment which is required to connect central offices and tandem switches in the Qwest network. The costs are different

by mileage bands as the costs vary by the distances between the offices. Costs are stated on a per minute of use per mile basis.

Cell: A59
Comment: Section E - Entrance Facility and Direct Trunk Transport
Description
DS1 and DS3 Entrance Facility With Customer Location Electronics: Provides for the communications path between the CLEC's Point of Interface (POI) and the Qwest Serving Wire Center (SWC) of that POI for the sole use of the CLEC. The Entrance Facility With Customer Location Electronics includes the fiber facility and supporting structure, transmission and terminating equipment at the serving wire center and the CLEC's POI.

DS1 and DS3 Direct Trunk Transport: Direct Trunk Transport (DTT) provides the transmission path without utilizing tandem switching functions on circuits dedicated to the use of a single CLEC between:

- the CLEC's SWC and an end office, or
- the CLEC's SWC and a local tandem, or
- the CLEC's SWC and a Qwest Hub where multiplexing functions are performed, or
- a Qwest Hub and an end office, or
- a Qwest Hub and a local tandem.

Direct Trunk Transport consists of two elements; fixed and per mile costs. The fixed element contains the costs associated with the terminating equipment at both ends of the transmission path. The per mile costs contain the costs associated with cable, repeaters, and intermediate central office equipment. The fixed are expressed per DS1 or DS3 circuit and the per mile costs are expressed per DS1 or DS3 circuit, per airline mile.

DS3 to DS1 Multiplexing: Central Office Multiplexing includes the equipment necessary for an arrangement that converts a DS3 channel to twenty-eight DS1 (1.544 Mbps) channels utilizing time division multiplexing.

DS1 to DS0 Multiplexing: Central Office Multiplexing includes the equipment necessary for an arrangement that converts a DS1 channel to twenty-four DS0 channels utilizing time division multiplexing.

Investment Development

DS1 and DS3 Entrance Facility With Customer Location Electronics

Entrance Facility With Customer Location Electronics investments are calculated using a Microsoft Excel spreadsheet based model called the NAC (Network Access Channel) model. The NAC model estimates the forward looking installed investment associated with DS1 and DS3 circuits between a SWC and a CLEC's POI.

DS1 and DS3 Direct Trunk Transport

The Interoffice Transport investments for DS1 and DS3 were calculated using the Transport Module (TM). TM calculates the weighted average installed investment required for transport over the Qwest interoffice network. A weighted average investment is obtained by weighting the investments for various forward looking interoffice facility configurations by a state specific probability of occurrence.

Multiplexing

The installed investments for the Central Office Multiplexing were calculated using an Excel spreadsheet based on the required equipment specified by Network Standard Configurations.

Qwest Cost Models Used

QwestICM
NAC
Transport Model

Cell: A90
Comment: Section G - 800 Database Service
DESCRIPTION OF SERVICE
800 Database Query Service is an originating service which provides for the forwarding of CLEC end-user-dialed 8XX-NXX-XXXX calls to a toll carrier, based on the dialed 8XX number. When an 8XX call is originated by a CLEC end user, the CLEC Service Switching Point (SSP) will send an 8XX query to the Qwest 8XX Service Control Point (SCP) through the Qwest Signaling Transfer Point (STP). The Qwest SCP will perform the Carrier Identification Function based on the dialed digits to determine the toll carrier trunk group to which the call should be routed in accordance with the SMS/800 information residing in the Qwest SCP. The SCP will transmit the results of the Carrier Identification Function back to the CLEC SSP through the Qwest STP/Access Tandem. The results of the Carrier Identification Function will be the Carrier Identification Code (CIC) and/or the vertical feature(s) associated with the 8XX number. Call

routing information in the SMS/800 reflects the desires of the owner of the 8XX number as entered in the SMS/800 by its chosen Responsible Organization (Resp. Org.).

Vertical Features:
In addition to the basic carrier identification function, 800Database Query Service subscribers may request vertical features through a Responsible Organization in accordance with the SMS/800 User Guide. Vertical features will be maintained within the Qwest SCP when technically feasible.

POTS Translation:
The POTS Translation vertical feature provides the option of having the ten-digit POTS number (i.e., NPA-NXX-XXXX) delivered instead of the 8XX dialed number (i.e., 1+8XX-XXXX) delivered to the service provider.

Call Handling and Destination Features:
Call Handling and Destination Features allow service subscriber's variable routing options by specifying a single carrier, multiple carriers (Exchange and/or Inter-exchange Carriers), single termination or multiple terminations.

STUDY METHODOLOGY
The hardware and software equipment costs were identified using the Switching Cost Model (SCM) Signaling System 7 (SS7) model. This model was developed to determine the economic costs of Qwest's Common Channel Signaling (CCS)/SS7 network. These economic costs are used to estimate the costs of services that use the SS7 network. One of these services is the InterLATA and IntraLATA 8XX Service. The term "cost" used in the model refers to initial cash outlays for hardware and software. Because software may be expensed, the term investment is not used. The model outputs expressed in terms of costs represent only the initial cash outlays. These outputs are the basis upon which the capital-related and operating expenses associated with these initial cash outlays are computed.

The SCM outputs were input to the TELRIC Cost Model. Factors were applied, including maintenance, ad valorem tax, administrative expense, common, business fees, power, sales tax, telco, interest during construction (IDC), land and building, sales expense, attributed costs and product management expense.

All costs, one time and recurring, were spread over the total levelized 8XX Database calls. The onetime costs are the 8XX Database Application Software and CRIS/CABS programming costs. The recurring costs include ISCP Expenses (Software On-site Installation and Support, Telegate Support per Year, Telecordia Software Support, IBM Software Mtce. Support, SMS/800 Management Team Billing).

Costs are developed for a "Basic Query", "POTS Translation" and "Call Handling".

Cell: A95
Comment: Section H - LIDB
DESCRIPTION
LIDB Query Service is a per query Switched Access Service. The query is assessed on all completed queries regardless of the output of the data. The query represents the transport from the Local Signaling Transfer Point (LSTP) to the Regional Signaling Transfer Point (RSTP) through the Message Relay Service (MRS) to the Service Control Point (SCP) and the actual retrieval of the data from the database. The query also is assessed on queries from the LSTP to the RSTP through the MRS then launched to another provider's SCP.

LIDB Query Service allows a CLEC to query QWEST's LIDB and secure the information to:
• Validate a calling card
• Automatically identify acceptance or rejection of collect or billed or third number calls, identify the billed number as a QWEST public or semi-public number, identify central office codes as vacant or active
• Identify originating screening profiles associated with working telephone numbers,
• Retrieve CLEC-defined data that the CLEC has stored in the QWEST LIDB

Thus, when a CLEC sends a Calling Card Verification query, a Billing Number Service query, an Originating Line Number Screening query or a GetData query to the QWEST SS7 network through the interconnection at the LSTP, the CLEC will be assessed a LIDB Query Service query charge.

STUDY METHODOLOGY
The costs are those which result from providing LIDB Query Service. Included in the per query cost are the following:

1. LSTP hardware, LSTP software, LSTP to RSTP data link hardware and software, RSTP hardware, RSTP software, RSTP to MRS SCP data link hardware and software, RSTP to LIDB SCP data link hardware and software, LIDB SCP hardware and software, MRS SCP hardware and software.

2. Database costs and associated labor.

Cell: A98
Comment: Section I - SIGNALING
DESCRIPTION
SS7 Signaling provides a means for transporting signaling information across our network. The following message types were studied:

Signal formulation is the capability of a Common Channel Signaling (CCS) end office or tandem switch to create or decode a CCS message. The ISUP Signal Formulation rate element recovers the costs associated with the formulation of call-related signaling messages for call setup, Integrated Services Digital Network (ISDN) User Part (ISUP), on a per signal message basis. ISUP message length and content specifications are described in CCS/Signaling System 7 protocol.

Signal transport is the capability of the Common Channel Signaling (CCS) data links to carry a signaling message from one signaling network element to another. The ISUP and TCAP Signal Transport rate elements recover the costs associated with the transmission of signaling data between the local Signal Transfer Point (STP) and the Service Switching Point (SSP) end office on a per signal message basis.

Signal switching is the capability performed by the STP to route a signal message to its proper destination. The ISUP and TCAP Signal Switching rate elements recover the costs associated with switching and routing ISUP and TCAP signaling messages at the local and regional STP on a per signal message basis.

STUDY METHODOLOGY
This study uses the SS7 model to identify the investment and expenses associated with SS7 Signaling. The model identifies the type and amount of hardware and/or software required for each component. Appropriate factors are then applied to convert the per octet or millisecond investments from SCM to per signaled message investments and to convert busy season busy hour investments to annualized per unit investments.

This study also includes the costs associated with measuring and billing the Signaling Unbundled Network Elements (UNE). Investment and direct expense costs of the CROSS7/AMAT7 systems are a part of each UNE signaling rate element cost per signaled message.

Cell: A106
Comment: Section J - Shared Transport
DESCRIPTION OF SERVICES
Shared Transport is defined as the Co-Provider use of capacity on the U S WEST interoffice message trunk network and central office routing tables for the delivery of switched, voice grade traffic between USW end offices and tandem switches within the local calling area.

Shared Transport is only provided with Unbundled Local Switch Port elements. The existing routing tables resident in the switch will direct both U S WEST and Co-Provider traffic over U S WEST interoffice message trunk network. The Co-Provider may custom route operator services and directory assistance calls to unique trunks. The Co-Provider may not mix unbundled dedicated interoffice message trunk transport and shared transport in the same local calling area.

STUDY METHODOLOGY
This study uses the U S WEST Transport Module (TM) and Switching Module (SM) to calculate the investments associated with transporting calls over the U S WEST interoffice network. The output workbook converts TM and SM outputs to monthly equivalent investments using monthly traffic and mileage data. These investments are in turn converted to monthly costs using the factors calculated by the Expense Factors Module and Capital Costs Module.

STUDY ASSUMPTIONS

a. Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by U S WEST today.
b. Costs do not reflect the emergence of widespread competition in the local exchange market.
c. All network investments are forward-looking:
i. Switching and transport equipment and facilities are digital.
ii. SONET is the forward looking technology in the interoffice network.
d. Standby capacity is a volume-sensitive cost. Non-volume sensitive spare switching capacity (e.g., modular spare) is a shared cost. Please refer to documentation for the Switching Module for further explanation.

Cell: A110
Comment: Section K - UDIT
Unbundled Dedicated Interoffice Transport (UDIT) provides the CLEC with a network element of a single transmission path between

USW Wire Centers in the same LATA and state. UDIT is a bandwidth-specific interoffice transmission path designed to a DSX panel (or equivalent) in each Qwest Wire Center. The CLEC must have collocation in the USW serving wire center and have requested termination capacity through the collocation process. UDIT is available in DS0, DS1, DS3, OC-3, OC-12 where facilities are available. UDIT is distance sensitive and is for the sole use of the CLEC. The CLEC can assign channels and transport its choice of voice or data. UDIT is a point-to-point transmission path and not a self healing product.

Cell: A111
Comment: DS3 to DS1 Multiplexing: Central Office Multiplexing includes the equipment necessary for an arrangement that converts a DS3 channel to twenty-eight DS1 (1.544 Mbps) channels utilizing time division multiplexing.

DS1 to DS0 Multiplexing: Central Office Multiplexing includes the equipment necessary for an arrangement that converts a DS1 channel to twenty-four DS0 channels utilizing time division multiplexing.

The multiplexing costs are aqual to the multiplexing costs provided in this study for Direct Trunked Transport.

Cell: A145
Comment: OC-3 UDIT:
OC-3 Transport Termination (Fixed) A network element consisting of a 155.52 Mbps termination at an FDP and providing a connection between the interoffice transport facility and other network elements. It must be ordered with a OC-3 Transport.
OC-3 Transport Termination (Per Mile) An interoffice transport network element providing a transmission path up to 155.52 Mbps between Qwest Central Offices. This is a mileage sensitive element based on the V&H coordinates of the OC-3 UDIT. The mileage is calculated between the originating and terminating offices.

Cell: A155
Comment: OC-12 UDIT:
OC-12 Transport Termination (Fixed) A network element consisting of a 622.08 Mbps termination at an FDP and providing a connection between the interoffice transport facility and other network elements. It must be ordered with a OC-12 Transport.
OC-12 Transport Termination (Per Mile) An interoffice transport network element providing a transmission path up to 622.08 Mbps between Qwest Central Offices. This is a mileage sensitive element based on the V&H coordinates of the OC-12 UDIT. The mileage is calculated between the originating and terminating offices.

Cell: A166
Comment: DS1 E-UDIT Without Customer Location Electronics:
A network element providing a transmission path up to 1.544 Mbps between a Qwest Serving Wire Center and a CLEC wire center or IXC POP. Qwest and the other carrier will jointly engineer the facility and meet at a mutually agreed location. Each carrier provides all facilities and equipment on its side of the meet-point. Qwest will not place electronic equipment in the other carriers wire center. See Technical Publication 77389 for additional information.

Cell: A167
Comment: DS3 E-UDIT Without Customer Location Electronics:
A network element providing a transmission path up to 44.736 Mbps between a Qwest Serving Wire Center and a CLEC wire center or IXC POP. Qwest and the other carrier will jointly engineer the facility and meet at a mutually agreed location. Each carrier provides all facilities and equipment on its side of the meet-point. Qwest will not place electronic equipment in the other carriers wire center.
See Technical Publication 77389 for additional information.

Cell: A168
Comment: OC-3 E-UDIT Without Customer Location Electronics:
A network element providing a transmission path up to 155.52 Mbps between a Qwest Serving Wire Center and a CLEC wire center or IXC POP. Qwest and the other carrier will jointly engineer the facility and meet at a mutually agreed location. Each carrier provides all facilities and equipment on its side of the meet-point. Qwest will not place electronic equipment in the other carriers wire center.
See Technical Publication 77389 for additional information.

	A	B	C	D	E	F	G	H	I
1	Compliance Phase IIa 1/31/03 8:33:20 AM								
2	Arizona	**Unbundled Loop**							
3		**Sorted by CLLI**							
4									
5	**Wire Center Name**	**CLLI**	**Wire Center Zone**	**Lines**	**Average Loop Length (Ft.)**	**Investment**	**TELRIC**	**Common**	**TELRIC + Common**
6	Sunrise	AGFIAZSR	3	24939	15414	$[illegible]	$26.37	$0.92	$27.29
7	Buckeye	BCKYAZMA	3	6718	28657	$[illegible]	$49.32	$0.92	$50.24
8	Black Canyon	BLCNAZMA	3	1647	11952	$[illegible]	$38.79	$0.92	$39.71
9	Beardsley	BRDSAZMA	3	28640	14710	$[illegible]	$26.26	$0.92	$27.18
10	Chandler Main	CHNDAZMA	2	63892	16155	$[illegible]	$24.53	$0.92	$25.46
11	Chandler South	CHNDAZSO	3	12743	11776	$[illegible]	$27.61	$0.92	$28.54
12	Chandler West	CHNDAZWE	2	38627	13665	$[illegible]	$22.48	$0.92	$23.40
13	Chino Valley	CHVYAZMA	3	6288	17062	$[illegible]	$34.21	$0.92	$35.14
14	Coolidge	CLDGAZMA	3	5110	18953	$[illegible]	$37.99	$0.92	$38.91
15	Camp Verde	CMVRAZMA	3	6770	18011	$[illegible]	$39.69	$0.92	$40.61
16	Coronado	CRNDAZMA	3	9432	15729	$[illegible]	$36.74	$0.92	$37.67
17	Casa Grande	CSGRAZMA	3	17071	17189	$[illegible]	$34.42	$0.92	$35.35
18	Cottonwood Main	CTWDAZMA	3	12797	20345	$[illegible]	$36.92	$0.92	$37.84
19	Cottonwood South	CTWDAZSO	2	2804	8387	$[illegible]	$24.63	$0.92	$25.56
20	Cave Creek	CVCKAZMA	3	13732	21484	$1,589.86	$39.83	$0.92	$40.76
21	Deer Valley North	DRVYAZNO	3	40462	14622	$976.01	$26.57	$0.92	$27.49
22	Eloy	ELOYAZ01	3	5356	22060	$1,924.21	$45.55	$0.92	$46.48
23	Flagstaff East	FLGSAZEA	3	15679	18927	$1,467.32	$34.76	$0.92	$35.68
24	Flagstaff Main	FLGSAZMA	3	26669	14819	$1,106.94	$26.77	$0.92	$27.69
25	Flagstaff South	FLGSAZSO	3	2603	9974	$1,289.69	$33.89	$0.92	$34.81
26	Florence	FLRNAZMA	3	4536	21019	$2,349.61	$50.46	$0.92	$51.39
27	Ft Mcdowell	FTMDAZMA	3	14243	10605	$1,119.73	$30.09	$0.92	$31.01
28	Rio Verde	FTMDAZNO	3	1545	55191	$2,005.89	$44.90	$0.92	$45.82
29	Coldwater	GDYRAZCW	3	9218	10807	$1,149.27	$30.04	$0.92	$30.97
30	Glendale	GLDLAZMA	2	56052	11076	$740.56	$20.77	$0.92	$21.69
31	Green Valley	GNVYAZMA	3	17476	21438	$1,902.83	$44.05	$0.92	$44.98
32	Higley	HGLYAZMA	3	3238	20017	$1,827.94	$44.63	$0.92	$45.55
33	Queen Creek	HGLYAZQC	3	3876	27769	$2,547.06	$58.45	$0.92	$59.37
34	Humboldt	HMBLAZMA	3	4158	21469	$2,139.10	$52.48	$0.92	$53.41
35	Litchfield Park	LTPKAZMA	3	11958	18497	$1,272.[illegible]	$33.23	$0.92	$34.16
36	Marana	MARNAZMA	3	7718	38599	$2,079.09	$49.30	$0.92	$50.22
37	Gilbert	MESAAZGI	2	59219	12455	$738.55	$21.15	$0.92	$22.08
38	Mesa	MESAAZMA	2	102061	11833	$692.24	$19.50	$0.92	$20.42
39	Munds Park	MSPKAZMA	3	2668	9950	$1,365.55	$34.98	$0.92	$35.91
40	Nogales Main	NGLSAZMA	3	6447	12239	$1,358.51	$34.12	$0.92	$35.05
41	Nogales Midway	NGLSAZMW	3	10480	15246	$1,353.60	$37.26	$0.92	$38.18
42	New River	NWRVAZMA	3	3935	35576	$1,9[illegible]	$46.06	$0.92	$46.98
43	Oracle	ORCLAZMA	3	1803	23921	$2,523.[illegible]	$55.53	$0.92	$56.45
44	Foothills	PHNXAZ81	3	7508	10397	$910.7[illegible]	$25.74	$0.92	$26.67
45	Bethany West	PHNXAZBW	3	14468	13537	$1,140.[illegible]	$30.22	$0.92	$31.14
46	Cactus	PHNXAZCA	2	92211	14915	$7[illegible].23	$21.42	$0.92	$22.35
47	Phoenix East	PHNXAZEA	2	35822	10398	$6[illegible]	$18.64	$0.92	$19.57
48	Greenway	PHNXAZGR	2	94013	14155	$7[illegible].54	$21.82	$0.92	$22.74
49	Laveen	PHNXAZLV	3	2678	16757	$1,995.33	$49.82	$0.92	$50.75
50	Phoenix Main	PHNXAZMA	1	78214	7273	$480.68	$15.23	$0.92	$16.16
51	Mid Rivers	PHNXAZMR	2	52396	12728	$85[illegible].72	$23.87	$0.92	$24.80
52	Maryvale	PHNXAZMY	2	39546	10147	$310.[illegible]	$22.53	$0.92	$23.46
53	Phoenix Northeast	PHNXAZNE	2	70517	9750	$611.42	$17.67	$0.92	$18.59

	A	B	C	D	E	F	G	H	I
1	Compliance Phase IIa 1/31/03 8:33:20 AM								
2	Arizona	**Unbundled Loop**							
3		**Sorted by CLLI**							
4									
5	**Wire Center Name**	**CLLI**	**Wire Center Zone**	**Lines**	**Average Loop Length (Ft.)**	**Investment**	**TELRIC**	**Common**	**TELRIC + Common**
54	Phoenix North	PHNXAZNO	2	104910	8793	[illegible]	$19.19	$0.92	$20.11
55	Phoenix Northwest	PHNXAZNW	2	58427	9335	[illegible]	$23.23	$0.92	$24.15
56	Pecos	PHNXAZPP	2	15845	23608	[illegible]	$21.66	$0.92	$22.59
57	Peoria	PHNXAZPR	2	40652	12166	[illegible]	$25.33	$0.92	$26.25
58	Phoenix Southeast	PHNXAZSE	2	23413	9072	[illegible]	$16.70	$0.92	$17.62
59	Phoenix South	PHNXAZSO	3	28526	14106	[illegible]	$27.53	$0.92	$28.45
60	Sunnyslope	PHNXAZSY	2	59451	11089	[illegible]	$17.81	$0.92	$18.74
61	Phoenix West	PHNXAZWE	2	43156	11744	[illegible]	$21.77	$0.92	$22.70
62	Pine	PINEAZMA	3	2831	21041	[illegible]	$46.33	$0.92	$47.25
63	Prescott East	PRSCAZEA	3	14894	12863	[illegible]	$30.17	$0.92	$31.10
64	Prescott Main	PRSCAZMA	3	37208	16497	[illegible]	$30.66	$0.92	$31.58
65	Pinnacle Peak	PRVYAZPP	3	32421	23921	[illegible]	$33.95	$0.92	$34.87
66	Payson	PYSNAZMA	3	12004	15385	[illegible]	$39.16	$0.92	$40.08
67	Scottsdale Main	SCDLAZMA	2	75933	10585	[illegible]	$18.24	$0.92	$19.16
68	Shea	SCDLAZSH	2	40198	13333	[illegible]	$23.00	$0.92	$23.92
69	Thunderbird	SCDLAZTH	2	78755	15179	[illegible]	$20.30	$0.92	$21.22
70	Sedona Main	SEDNAZMA	3	12142	18414	[illegible]	$34.52	$0.92	$35.45
71	Sedona South	SEDNAZSO	3	4395	13679	[illegible]	$34.89	$0.92	$35.81
72	San Manuel	SNMNAZMA	3	2121	15045	[illegible]	$36.56	$0.92	$37.48
73	Super East	SPRSAZEA	3	24814	14617	[illegible]	$27.44	$0.92	$28.37
74	Super Main	SPRSAZMA	3	31154	12384	$969.35	$26.61	$0.92	$27.53
75	Super West	SPRSAZWE	2	82542	13080	$815.33	$22.79	$0.92	$23.72
76	Sierra Vista Main	SRVSAZMA	3	21089	17367	$1,163.69	$30.07	$0.92	$30.99
77	Sierra Vista North	SRVSAZNO	3	2176	17826	$2,205.37	$51.81	$0.92	$52.73
78	Sierra Vista South	SRVSAZSO	3	6924	21912	$1,776.66	$42.94	$0.92	$43.86
79	Catalina	TCSNAZCA	3	27615	14254	$975.08	$26.79	$0.92	$27.72
80	Cortaro	TCSNAZCO	3	16540	13713	$1,240.69	$32.23	$0.92	$33.16
81	Craycroft	TCSNAZCR	3	40094	12015	$1,153.97	$30.56	$0.92	$31.48
82	Tucson East	TCSNAZEA	2	64644	11464	$827.55	$22.89	$0.92	$23.81
83	Flowing Wells	TCSNAZFW	2	35814	10095	$821.57	$22.84	$0.92	$23.76
84	Tucson Main	TCSNAZMA	2	74011	11468	$740.43	$21.05	$0.92	$21.98
85	Tucson North	TCSNAZNO	3	44558	17713	$1,031.54	$28.00	$0.92	$28.93
86	Rincon	TCSNAZRN	2	69758	15845	$934.10	$25.32	$0.92	$26.25
87	Tucson Southeast	TCSNAZSE	3	7465	20949	$1,396.45	$35.98	$0.92	$36.91
88	Tucson South	TCSNAZSO	3	37199	14418	$1,251.37	$32.78	$0.92	$33.71
89	Tucson Southwest	TCSNAZSW	3	17974	26716	$1,773.53	$42.70	$0.92	$43.63
90	Tanque Verde	TCSNAZTV	3	11257	16722	$1,365.96	$35.37	$0.92	$36.30
91	Tucson West	TCSNAZWE	3	5211	17749	$1,864.83	$46.21	$0.92	$47.14
92	Tempe	TEMPAZMA	1	67566	10626	$527.43	$15.83	$0.92	$16.75
93	Mcclintock	TEMPAZMC	2	83832	12337	$661.75	$19.17	$0.92	$20.09
94	Tolleson	TLSNAZMA	3	9773	16530	$1,342.90	$35.06	$0.92	$35.99
95	Tubac	TUBCAZMA	3	2364	39368	$2,810.43	$61.13	$0.92	$62.06
96	Vail North	VAILAZNO	3	1218	29078	$3,586.42	$74.84	$0.92	$75.77
97	Vail South	VAILAZSO	3	2121	35232	$2,806.40	$63.27	$0.92	$64.19
98	White Tanks	WHTKAZMA	3	1971	14123	$1,891.35	$48.50	$0.92	$49.42
99	Wintersburg	WNBGAZ01	3	668	37396	$5,020.19	$92.79	$0.92	$93.72
176									

Section A - Unbundled Loop
Loop - Dev Total Prod Costs 2W

Row	Compliance Phase IIa 1/31/03 8:35:20 AM Arizona	Source of Calculation	Factor Value (AP p1:p2)	Statewide Average Total Loop 2-Wire	Feeder 2-Wire	Distribution 2-Wire	Unbundled Loop Grooming 2-Wire	Network Interface Device 2-Wire	Wire Center Zone 1 Total Loop 2-Wire	Feeder 2-Wire	Distribution 2-Wire	Wire Center Zone 2 Total Loop 2-Wire	Feeder 2-Wire	Distribution 2-Wire	Wire Center Zone 3 Total Loop 2-Wire	Feeder 2-Wire	Distribution 2-Wire
				A	B	C	D	E	G	H	I	J	K	L	M	N	O
1	Investment	Investment Cost(Loop+Biling)		908.64	314.22	592.42	89.46	42.96	602.95	330.19	272.16	750.22	371.15	479.07	1233.30	415.85	877.44
2																	
3	Investment Based Costs (IBC)	* c3		18.70	4.66	14.04	1.16	0.99	9.66	3.33	6.32	15.03	4.00	11.33	27.10	8.23	20.87
4	Element Specific Expenses	aa p21:E7		0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		18.72	4.68	14.06	1.15	1.00	9.66	3.35	6.33	15.35	4.02	11.34	27.12	8.25	20.88
6																	
7	*Directly Assigned*																
8	Product Management Expense	cA*r5	0.03428	0.6417	0.1604	0.4818	0.0393	0.0343	0.6417	0.1604	0.4818	0.6417	0.1604	0.4818	0.6417	0.1604	0.4818
9	Sales Expense	cA*r5	0.01133	0.2121	0.0530	0.1593	0.0130	0.0114	0.2121	0.0530	0.1593	0.2121	0.0530	0.1593	0.2121	0.0530	0.1593
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0362	0.0090	0.0272	0.0022	0.0019	0.0362	0.0090	0.0272	0.0362	0.0090	0.0272	0.0362	0.0090	0.0272
12	*Directly Assigned Costs*	*Sum r8:r11*		0.8900	0.2225	0.6683	0.0545	0.0476	0.8900	0.2225	0.6683	0.8900	0.2225	0.6683	0.8900	0.2225	0.6683
13																	
14	*Total Direct*	*r5 + r12*		19.61	4.90	14.72	1.20	1.05	10.56	3.57	7.00	16.24	4.24	12.01	28.01	8.47	21.55
15																	
16	*Directly Attributed*																
17	Network Operations	cA*r14	0.05029	0.9861	0.2465	0.7405	0.0604	0.0528	0.9861	0.2465	0.7405	0.9861	0.2465	0.7405	0.9861	0.2465	0.7405
18	Network Support Assets	cA*r14	0.01538	0.3015	0.0754	0.2264	0.0185	0.0161	0.3015	0.0754	0.2264	0.3015	0.0754	0.2264	0.3015	0.0754	0.2264
19	General Support Assets	cA*r14	0.08064	1.5812	0.3953	1.1873	0.0968	0.0846	1.5812	0.3953	1.1873	1.5812	0.3953	1.1873	1.5812	0.3953	1.1873
20	General Purpose Computers	cA*r14	0.03644	0.7145	0.1786	0.5365	0.0438	0.0382	0.7145	0.1786	0.5365	0.7145	0.1786	0.5365	0.7145	0.1786	0.5365
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0199	0.0050	0.0150	0.0012	0.0011	0.0199	0.0050	0.0150	0.0199	0.0050	0.0150	0.0199	0.0050	0.0150
22	Accounting and Finance Expense	cA*r14	0.00752	0.1475	0.0369	0.1108	0.0090	0.0079	0.1475	0.0369	0.1108	0.1475	0.0369	0.1108	0.1475	0.0369	0.1108
23	Human Resources Expense	cA*r14	0.00726	0.1424	0.0356	0.1069	0.0087	0.0076	0.1424	0.0356	0.1069	0.1424	0.0356	0.1069	0.1424	0.0356	0.1069
24	Information Management Expense	cA*r14	0.05157	1.0112	0.2528	0.7593	0.0619	0.0541	1.0112	0.2528	0.7593	1.0112	0.2528	0.7593	1.0112	0.2528	0.7593
25	Intangibles	cA*r14	0.00252	0.0493	0.0123	0.0370	0.0030	0.0026	0.0493	0.0123	0.0370	0.0493	0.0123	0.0370	0.0493	0.0123	0.0370
26	*Total Directly Attributed Costs*	*Sum r17:r25*		4.9537	1.2384	3.7197	0.3034	0.2651	4.9537	1.2384	3.7197	4.9537	1.2384	3.7197	4.9537	1.2384	3.7197
27																	
28	*Total Element Long Run Incremental Costs*	*r15 + r26*		24.56	6.13	18.44	1.50	1.31	15.51	4.81	10.70	21.19	5.48	15.72	32.96	7.71	25.27
29																	
30	*Common*																
31	Executive Expense	cA*r28	0.00579	0.1421	0.0355	0.1067	0.0087	0.0076	0.1421	0.0355	0.1067	0.1421	0.0355	0.1067	0.1421	0.0355	0.1067
32	Planning Expense	cA*r28	0.00050	0.0122	0.0031	0.0092	0.0007	0.0007	0.0122	0.0031	0.0092	0.0122	0.0031	0.0092	0.0122	0.0031	0.0092
33	External Relations Expense	cA*r28	0.00817	0.2007	0.0502	0.1507	0.0123	0.0107	0.2007	0.0502	0.1507	0.2007	0.0502	0.1507	0.2007	0.0502	0.1507
34	Legal Expense	cA*r28	0.00535	0.1315	0.0329	0.0987	0.0081	0.0070	0.1315	0.0329	0.0987	0.1315	0.0329	0.0987	0.1315	0.0329	0.0987
35	Other Procurement Expense	cA*r28	0.00203	0.0497	0.0124	0.0373	0.0030	0.0027	0.0497	0.0124	0.0373	0.0497	0.0124	0.0373	0.0497	0.0124	0.0373
36	Research and Development Expense	cA*r28	0.00003	0.0008	0.0002	0.0006	0.0000	0.0000	0.0008	0.0002	0.0006	0.0008	0.0002	0.0006	0.0008	0.0002	0.0006
37	Other General and Admin Exp	cA*r28	0.01578	0.3876	0.0969	0.2911	0.0237	0.0207	0.3876	0.0969	0.2911	0.3876	0.0969	0.2911	0.3876	0.0969	0.2911
38	*Total Common Costs*	*Sum r31:r37*		0.9246	0.2311	0.6933	0.0566	0.0496	0.9246	0.2311	0.6933	0.9246	0.2311	0.6933	0.9246	0.2311	0.6933
39																	
40	*TELRIC + Common*	*r27 + r38*		25.49	6.37	19.14	1.56	1.36	16.43	5.04	11.42	22.11	5.71	16.43	33.88	7.94	25.97

c = column, r = row, s = section, p = page, AP = Appendix

Section A - Unbundled Loop
Loop - Dev Total Prod Costs 4W

Row	Compliance Phase 8a 1/31/03 8:22:20 AM Arizona	Source or Calculation	Factor Value (AP p1 ¶)	Statewide Average Total Loop 4-Wire	Feeder 4-Wire	Distribution 4-Wire	Unbundled Loop Grooming 4-Wire	Network Interface Device 4-Wire	Wire Center Zone 1 Total Loop 4-Wire	Feeder 4-Wire	Distribution 4-Wire	Wire Center Zone 2 Total Loop 4-Wire	Feeder 4-Wire	Distribution 4-Wire	Wire Center Zone 3 Total Loop 4-Wire	Feeder 4-Wire	Distribution 4-Wire
			A	B	C	D	F	E	F	G	H	J	K		L	M	N
1	Investment	Investment Data(Loop+Siting)		1819.27	528.44	1164.93	160.60	85.97	1002.66	460.38	642.92	1500.43	542.90	959.14	2559.60	591.71	1754.80
2																	
3	Investment Based Costs (IBC)	*c1		37.40	9.33	28.08	3.51	1.97	19.30	6.88	12.64	30.88	8.00	22.88	64.20	12.46	41.74
4	Element Specific Expenses	VA:r22 C7		0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		37.42	9.34	28.10	2.63	1.99	19.31	6.88	12.65	30.88	8.02	22.67	54.21	12.48	41.75
6																	
7	*Directly Assigned*																
8	Product Management Expense	cA*r5	0.03428	1.2828	0.3203	0.9631	0.0901	0.0681	1.2828	0.3203	0.9631	1.2828	0.3203	0.9631	1.2828	0.3203	0.9631
9	Sales Expense	cA*r5	0.01133	0.4241	0.1059	0.3184	0.0298	0.0225	0.4241	0.1059	0.3184	0.4241	0.1059	0.3184	0.4241	0.1059	0.3184
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8+r10)	0.00185	0.0723	0.0181	0.0543	0.0051	0.0038	0.0723	0.0181	0.0543	0.0723	0.0181	0.0543	0.0723	0.0181	0.0543
12	*Directly Assigned Costs*	*Sum r8:r11*		1.7792	0.4442	1.3358	0.1250	0.0945	1.7792	0.4442	1.3358	1.7792	0.4442	1.3358	1.7792	0.4442	1.3358
13																	
14	*Total Direct*	*r5 + r12*		39.20	9.79	29.43	2.75	2.08	21.09	7.12	13.99	32.46	8.46	24.01	55.99	12.92	43.09
15																	
16	*Directly Attributed*																
17	Network Operations	cA*r14	0.05029	1.9713	0.4922	1.4800	0.1385	0.1047	1.9713	0.4922	1.4800	1.9713	0.4922	1.4800	1.9713	0.4922	1.4800
18	Network Support Assets	cA*r14	0.01538	0.6027	0.1505	0.4525	0.0423	0.0320	0.6027	0.1505	0.4525	0.6027	0.1505	0.4525	0.6027	0.1505	0.4525
19	General Support Assets	cA*r14	0.08064	3.1610	0.7892	2.3732	0.2221	0.1678	3.1610	0.7892	2.3732	3.1610	0.7892	2.3732	3.1610	0.7892	2.3732
20	General Purpose Computers	cA*r14	0.03644	1.4283	0.3566	1.0724	0.1004	0.0758	1.4283	0.3566	1.0724	1.4283	0.3566	1.0724	1.4283	0.3566	1.0724
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0399	0.0100	0.0299	0.0028	0.0021	0.0399	0.0100	0.0299	0.0399	0.0100	0.0299	0.0399	0.0100	0.0299
22	Accounting and Finance Expense	cA*r14	0.00752	0.2949	0.0736	0.2214	0.0207	0.0157	0.2949	0.0736	0.2214	0.2949	0.0736	0.2214	0.2949	0.0736	0.2214
23	Human Resources Expense	cA*r14	0.00726	0.2847	0.0711	0.2138	0.0200	0.0151	0.2847	0.0711	0.2138	0.2847	0.0711	0.2138	0.2847	0.0711	0.2138
24	Information Management Expense	cA*r14	0.05157	2.0216	0.5047	1.5177	0.1420	0.1073	2.0216	0.5047	1.5177	2.0216	0.5047	1.5177	2.0216	0.5047	1.5177
25	Intangibles	cA*r14	0.00252	0.0986	0.0246	0.0740	0.0069	0.0052	0.0986	0.0246	0.0740	0.0986	0.0246	0.0740	0.0986	0.0246	0.0740
26	*Total Directly Attributed Costs*	*Sum r17:r25*		9.9031	2.4724	7.4351	0.6958	0.5258	9.9031	2.4724	7.4351	9.9031	2.4724	7.4351	9.9031	2.4724	7.4351
27																	
28	*Total Element Long Run Incremental Costs*	*r14 + r26*		49.10	12.26	36.87	3.45	2.61	30.99	9.59	21.40	42.36	10.94	31.44	65.90	15.39	50.52
29																	
30	*Common*																
31	Executive Expense	cA*r28	0.00579	0.2841	0.0709	0.2133	0.0200	0.0151	0.2841	0.0709	0.2133	0.2841	0.0709	0.2133	0.2841	0.0709	0.2133
32	Planning Expense	cA*r28	0.00050	0.0245	0.0061	0.0184	0.0017	0.0013	0.0245	0.0061	0.0184	0.0245	0.0061	0.0184	0.0245	0.0061	0.0184
33	External Relations Expense	cA*r28	0.00817	0.4012	0.1002	0.3012	0.0282	0.0213	0.4012	0.1002	0.3012	0.4012	0.1002	0.3012	0.4012	0.1002	0.3012
34	Legal Expense	cA*r28	0.00535	0.2628	0.0656	0.1973	0.0185	0.0140	0.2628	0.0656	0.1973	0.2628	0.0656	0.1973	0.2628	0.0656	0.1973
35	Other Procurement Expense	cA*r28	0.00203	0.0994	0.0248	0.0747	0.0070	0.0053	0.0994	0.0248	0.0747	0.0994	0.0248	0.0747	0.0994	0.0248	0.0747
36	Research and Development Expense	cA*r28	0.00003	0.0015	0.0004	0.0011	0.0001	0.0001	0.0015	0.0004	0.0011	0.0015	0.0004	0.0011	0.0015	0.0004	0.0011
37	Other General and Admin Exp	cA*r28	0.01578	0.7749	0.1935	0.5818	0.0544	0.0411	0.7749	0.1935	0.5818	0.7749	0.1935	0.5818	0.7749	0.1935	0.5818
38	*Total Common Costs*	*Sum r31:r37*		1.8484	0.4615	1.3872	0.1298	0.0981	1.8484	0.4615	1.3872	1.8484	0.4615	1.3872	1.8484	0.4615	1.3872
39																	
40	*TELRIC + Common*	*r13 + r38*		50.96	12.72	38.25	3.58	2.71	32.84	10.05	22.81	44.21	11.40	32.83	67.74	15.85	51.91

o = column, r = row, s = section, p = page, AP = Appendix

Section A - Unbundled Loop
Avg Loop - Investment Cost 2W

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM									
2	Arizona					Average Unbundled Loop				
3	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
4	**Total Loop (2 wire)**				cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
5	2111	20C	Land	0.47	0.0000000	0.0036040	0.0014894	0.0005355	0.0018538	0.0074826
6	2121	110C	Building	5.49	0.0136601	0.0312806	0.0129270	0.0062366	0.0215906	0.0856949
7	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
8	2232.2	257C	Pair Gain—Digital	104.86	0.9451327	0.3678210	0.1520055	0.1190176	0.1250421	1.7090189
9	2411	1C	Poles	12.12	0.0871557	0.0439991	0.0181830	0.0137580	0.0053785	0.1684743
10	2421.11,.21	52C	Aerial Cbl Metallic	20.05	0.1993603	0.0872715	0.0360658	0.0227608	0.2279296	0.5733880
11	2421.11	42C	Aerial Drop	11.51	0.1144485	0.0501007	0.0207046	0.0130665	0.1308495	0.3291698
12	2422.11,.21	5C	UG Cbl Metallic	53.58	0.3445214	0.2437302	0.1007238	0.0608134	0.1977796	0.9475684
13	2422.12,.22	85C	UG Cbl Nonmetallic	5.28	0.0396316	0.0247249	0.0102178	0.0059974	0.0079667	0.0885384
14	2423.11,.21	45C	Buried Cbl Metallic	450.37	3.5416569	2.0703888	0.8556076	0.5111899	3.7354092	10.7142524
15	2423.11	35C	Buried Drop	82.01	0.6449482	0.3770251	0.1558092	0.0930895	0.6802312	1.9511032
16	2423.12,.22	845C	Buried Cbl Nonmetallic	38.32	0.2115106	0.1717537	0.0709788	0.0434999	0.0524790	0.5502220
17	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	12.69	0.0645001	0.0593070	0.0245092	0.0144087	0.0800717	0.2427966
18	2431	3C	Aerial Wire	0.18	0.0022452	0.0011526	0.0004763	0.0002094	0.0002828	0.0043663
19	2441	4C	Conduit System	80.58	0.1525451	0.3902810	0.1612873	0.0914590	0.0367826	0.8323549
20			Total	905.64	6.61	4.02	1.66	1.03	5.37	$ 18.70
21	**Feeder (2 wire)**									
22	2111	20C	Land	0.47	0.0000000	0.0036040	0.0014894	0.0005355	0.0018538	0.0074826
23	2121	110C	Building	5.49	0.0136601	0.0312806	0.0129270	0.0062366	0.0215906	0.0856949
24	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
25	2232.2	257C	Pair Gain—Digital	104.86	0.9451327	0.3678210	0.1520055	0.1190176	0.1250421	1.7090189
26	2411	1C	Poles	0.03	0.0002300	0.0001161	0.0000480	0.0000363	0.0000142	0.0004447
27	2421.11,.21	52C	Aerial Cbl Metallic	0.05	0.0005310	0.0002325	0.0000961	0.0000606	0.0006071	0.0015273
28	2422.11,.21	5C	UG Cbl Metallic	49.18	0.3162584	0.2237357	0.0924609	0.0558246	0.1815546	0.8698342
29	2422.12,.22	85C	UG Cbl Nonmetallic	5.28	0.0396316	0.0247249	0.0102178	0.0059974	0.0079667	0.0885384
30	2423.11,.21	45C	Buried Cbl Metallic	0.84	0.0066193	0.0038695	0.0015991	0.0009554	0.0069814	0.0200247
31	2423.12,.22	845C	Buried Cbl Nonmetallic	38.32	0.2115106	0.1717537	0.0709788	0.0434999	0.0524790	0.5502220
32	2441	4C	Conduit System	80.58	0.1525451	0.3902810	0.1612873	0.0914590	0.0367826	0.8323549
33			Total	314.22	1.94	1.32	0.55	0.36	0.50	$ 4.66
34	**Distribution (2 wire)**									
35	2411	1C	Poles	12.09	0.0869256	0.0438830	0.0181350	0.0137217	0.0053643	0.1680296
36	2421.11,.21	52C	Aerial Cbl Metallic	20.00	0.1988293	0.0870390	0.0359697	0.0227001	0.2273225	0.5718607
37	2421.11	42C	Aerial Drop	11.51	0.1144485	0.0501007	0.0207046	0.0130665	0.1308495	0.3291698
38	2422.11,.21	5C	UG Cbl Metallic	4.40	0.0282630	0.0199945	0.0082629	0.0049889	0.0162249	0.0777342
39	2423.11,.21	45C	Buried Cbl Metallic	449.53	3.5350376	2.0665193	0.8540085	0.5102345	3.7284278	10.6942277
40	2423.11	35C	Buried Drop	82.01	0.6449482	0.3770251	0.1558092	0.0930895	0.6802312	1.9511032
41	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	12.69	0.0645001	0.0593070	0.0245092	0.0144087	0.0800717	0.2427966
42	2431	3C	Aerial Wire	0.18	0.0022452	0.0011526	0.0004763	0.0002094	0.0002828	0.0043663
43			Total	592.42	4.68	2.71	1.12	0.67	4.87	$ 14.04
44	**Loop Grooming 2W**									
45	2111	20C	Land	0.23	0.0000000	0.0017783	0.0007349	0.0002642	0.0009147	0.0036921
46	2121	110C	Building	2.71	0.0067462	0.0154482	0.0063841	0.0030800	0.0106627	0.0423212
47	2232.3	257C	Pair Gain—Digital (Loop Grooming)	66.51	0.5994732	0.2332993	0.0964131	0.0754898	0.0793110	1.0839865
48			Total	69.45	0.61	0.25	0.10	0.08	0.09	$ 1.13
49	**Loop Grooming 4W**									
50	2111	20C	Land	0.54	0.0000000	0.0041120	0.0016993	0.0006109	0.0021151	0.0085373
51	2121	110C	Building	6.27	0.0155992	0.0357210	0.0147620	0.0071219	0.0246555	0.0978596
52	2232.3	257C	Pair Gain—Digital (Loop Grooming)	153.79	1.3861662	0.5394597	0.2229368	0.1745556	0.1833914	2.5065096
53			Total	160.60	1.40	0.58	0.24	0.18	0.21	$ 2.61
54	**Billing**									
55	2124	361C	General Purpose Comp. (Billing)	0.0001123	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000	0.0000026
56	**Network Interface Device (2 wire)**									
57	2421.11	42C	Aerial Drop	4.26	0.0423254	0.0185283	0.0076570	0.0048323	0.0483909	0.1217338
58	2423.11	35C	Buried Drop	26.32	0.2069533	0.1209812	0.0499966	0.0298709	0.2182750	0.6260769
59	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	12.41	0.0630473	0.0579712	0.0239571	0.0140842	0.0782683	0.2373281
60			Total	42.98	0.31	0.20	0.08	0.05	0.34	$ 0.99
61	**Investment Sources**									
62	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)				
63	Unbundled Loop = sA p9 cD-I							Billing = AP p10 F21		

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Section A - Unbundled Loop
Loop Zone 1- Investment Cost 2W
Wire Center Zone 1 Unbundled Loop

	A	B	C	D	E	F	G	H	I	J
3	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
4	**Loop (2 wire)**				cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
5	2111	20C	Land	0.28	0.0000000	0.0021482	0.0008878	0.0003192	0.0011050	0.0044601
6	2121	110C	Building	3.27	0.0081374	0.0186342	0.0077007	0.0037152	0.0128617	0.0510492
7	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
8	2232.2	257C	Pair Gain—Digital	50.41	0.4543823	0.1768337	0.0730782	0.0572190	0.0601153	0.8216284
9	2411	1C	Poles	4.36	0.0313321	0.0158175	0.0065367	0.0049459	0.0019335	0.0605658
10	2421.11,.21	52C	Aerial Cbl Metallic	7.27	0.0723166	0.0316571	0.0130826	0.0082563	0.0826799	0.2079925
11	2421.11	42C	Aerial Drop	4.90	0.0486731	0.0213070	0.0088053	0.0055570	0.0556482	0.1399906
12	2422.11,.21	5C	UG Cbl Metallic	65.81	0.4231779	0.2993754	0.1237197	0.0746975	0.2429339	1.1639044
13	2422.12,.22	85C	UG Cbl Nonmetallic	2.59	0.0194206	0.0121159	0.0050070	0.0029389	0.0039039	0.0433863
14	2423.11,.21	45C	Buried Cbl Metallic	186.71	1.4682515	0.8583133	0.3547060	0.2119221	1.5485746	4.4417675
15	2423.11	35C	Buried Drop	34.89	0.2743648	0.1603887	0.0662821	0.0396008	0.2893744	0.8300109
16	2423.12,.22	845C	Buried Cbl Nonmetallic	0.28	0.0015481	0.0012571	0.0005195	0.0003184	0.0003841	0.0040271
17	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	24.93	0.1266505	0.1164534	0.0481254	0.0282925	0.1572264	0.4767481
18	2431	3C	Aerial Wire	0.00	0.0000145	0.0000075	0.0000031	0.0000014	0.0000018	0.0000282
19	2441	4C	Conduit System	87.55	0.1657407	0.4240416	0.1752392	0.0993705	0.0399644	0.9043564
20			**Total**	**502.35**	**3.35**	**2.24**	**0.93**	**0.67**	**2.56**	**$ 9.65**
21	**Feeder (2 wire)**									
22	2111	20C	Land	0.28	0.0000000	0.0021482	0.0008878	0.0003192	0.0011050	0.0044601
23	2121	110C	Building	3.27	0.0081374	0.0186342	0.0077007	0.0037152	0.0128617	0.0510492
24	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
25	2232.2	257C	Pair Gain—Digital	50.41	0.4543823	0.1768337	0.0730782	0.0572190	0.0601153	0.8216284
26	2411	1C	Poles	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
27	2421.11,.21	52C	Aerial Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
28	2422.11,.21	5C	UG Cbl Metallic	56.70	0.3646264	0.2579534	0.1066017	0.0643623	0.2093213	1.0028651
29	2422.12,.22	85C	UG Cbl Nonmetallic	2.59	0.0194206	0.0121159	0.0050070	0.0029389	0.0039039	0.0433863
30	2423.11,.21	45C	Buried Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
31	2423.12,.22	845C	Buried Cbl Nonmetallic	0.28	0.0015481	0.0012571	0.0005195	0.0003184	0.0003841	0.0040271
32	2441	4C	Conduit System	87.55	0.1657407	0.4240416	0.1752392	0.0993705	0.0399644	0.9043564
33			**Total**	**230.13**	**1.27**	**0.99**	**0.41**	**0.26**	**0.40**	**$ 3.33**
34	**Distribution (2 wire)**									
35	2411	1C	Poles	4.36	0.0313321	0.0158175	0.0065367	0.0049459	0.0019335	0.0605658
36	2421.11,.21	52C	Aerial Cbl Metallic	7.27	0.0723166	0.0316571	0.0130826	0.0082563	0.0826799	0.2079925
37	2421.11	42C	Aerial Drop	4.90	0.0486731	0.0213070	0.0088053	0.0055570	0.0556482	0.1399906
38	2422.11,.21	5C	UG Cbl Metallic	9.11	0.0585515	0.0414220	0.0171180	0.0103352	0.0336127	0.1610394
39	2423.11,.21	45C	Buried Cbl Metallic	186.71	1.4682515	0.8583133	0.3547060	0.2119221	1.5485746	4.4417675
40	2423.11	35C	Buried Drop	34.89	0.2743648	0.1603887	0.0662821	0.0396008	0.2893744	0.8300109
41	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	24.93	0.1266505	0.1164534	0.0481254	0.0282925	0.1572264	0.4767481
42	2431	3C	Aerial Wire	0.00	0.0000145	0.0000075	0.0000031	0.0000014	0.0000018	0.0000282
43			**Total**	**272.16**	**2.08**	**1.25**	**0.51**	**0.31**	**2.17**	**$ 6.32**
44	**Investment Sources**									
45	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)									
46	Unbundled Loop = sA p9 cD-I									

Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)

Billing = AP p10 F21

Section A - Unbundled Loop
Loop Zone 2- Investment Cost 2W

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM									
2	Arizona					Wire Center Zone 2 Unbundled Loop				
3	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
4	**Loop (2 wire)**				cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
5	2111	20C	Land	0.43	0.0000000	0.0032488	0.0013426	0.0004827	0.0016711	0.0067452
6	2121	110C	Building	4.95	0.0123128	0.0281955	0.0116521	0.0056215	0.0194612	0.0772431
7	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
8	2232.2	257C	Pair Gain—Digital	91.58	0.8254142	0.3212297	0.1327512	0.1039419	0.1092032	1.4925402
9	2411	1C	Poles	9.03	0.0649510	0.0327895	0.0135505	0.0102529	0.0040082	0.1255521
10	2421.11,.21	52C	Aerial Cbl Metallic	15.07	0.1498328	0.0655905	0.0271059	0.0171063	0.1713046	0.4309401
11	2421.11	42C	Aerial Drop	9.57	0.0951780	0.0416649	0.0172184	0.0108664	0.1088175	0.2737451
12	2422.11,.21	5C	UG Cbl Metallic	58.37	0.3753487	0.2655389	0.1097364	0.0662549	0.2154766	1.0323556
13	2422.12,.22	85C	UG Cbl Nonmetallic	4.31	0.0323147	0.0201601	0.0083314	0.0048901	0.0064958	0.0721922
14	2423.11,.21	45C	Buried Cbl Metallic	357.64	2.8124052	1.6440814	0.6794321	0.4059324	2.9662625	8.5081136
15	2423.11	35C	Buried Drop	68.21	0.5363641	0.3135488	0.1295770	0.0774169	0.5657068	1.6226135
16	2423.12,.22	845C	Buried Cbl Nonmetallic	2.12	0.0116810	0.0094853	0.0039199	0.0024023	0.0028982	0.0303867
17	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	14.56	0.0739561	0.0680016	0.0281023	0.0165211	0.0918106	0.2783915
18	2431	3C	Aerial Wire	0.01	0.0001261	0.0000648	0.0000268	0.0000118	0.0000159	0.0002453
19	2441	4C	Conduit System	85.28	0.1614571	0.4130822	0.1707101	0.0968022	0.0389315	0.8809832
20			Total	750.22	5.40	3.33	1.38	0.85	4.37	$ 15.33
21	**Feeder (2 wire)**									
22	2111	20C	Land	0.43	0.0000000	0.0032488	0.0013426	0.0004827	0.0016711	0.0067452
23	2121	110C	Building	4.95	0.0123128	0.0281955	0.0116521	0.0056215	0.0194612	0.0772431
24	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
25	2232.2	257C	Pair Gain—Digital	91.58	0.8254142	0.3212297	0.1327512	0.1039419	0.1092032	1.4925402
26	2411	1C	Poles	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
27	2421.11,.21	52C	Aerial Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
28	2422.11,.21	5C	UG Cbl Metallic	53.39	0.3432962	0.2428635	0.1003656	0.0605971	0.1970762	0.9441987
29	2422.12,.22	85C	UG Cbl Nonmetallic	4.31	0.0323147	0.0201601	0.0083314	0.0048901	0.0064958	0.0721922
30	2423.11,.21	45C	Buried Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
31	2423.12,.22	845C	Buried Cbl Nonmetallic	2.12	0.0116810	0.0094853	0.0039199	0.0024023	0.0028982	0.0303867
32	2441	4C	Conduit System	85.28	0.1614571	0.4130822	0.1707101	0.0968022	0.0389315	0.8809832
33			Total	271.15	1.64	1.14	0.47	0.31	0.44	$ 4.00
34	**Distribution (2 wire)**									
35	2411	1C	Poles	9.03	0.0649510	0.0327895	0.0135505	0.0102529	0.0040082	0.1255521
36	2421.11,.21	52C	Aerial Cbl Metallic	15.07	0.1498328	0.0655905	0.0271059	0.0171063	0.1713046	0.4309401
37	2421.11	42C	Aerial Drop	9.57	0.0951780	0.0416649	0.0172184	0.0108664	0.1088175	0.2737451
38	2422.11,.21	5C	UG Cbl Metallic	4.98	0.0320525	0.0226754	0.0093708	0.0056578	0.0184004	0.0881569
39	2423.11,.21	45C	Buried Cbl Metallic	357.64	2.8124052	1.6440814	0.6794321	0.4059324	2.9662625	8.5081136
40	2423.11	35C	Buried Drop	68.21	0.5363641	0.3135488	0.1295770	0.0774169	0.5657068	1.6226135
41	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	14.56	0.0739561	0.0680016	0.0281023	0.0165211	0.0918106	0.2783915
42	2431	3C	Aerial Wire	0.01	0.0001261	0.0000648	0.0000268	0.0000118	0.0000159	0.0002453
43			Total	479.07	3.76	2.19	0.90	0.54	3.93	$ 11.33
44	**Investment Sources**									
45	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)				
46	Unbundled Loop = sA p9 cD-I							Billing = AP p10 F21		

Section A - Unbundled Loop
Loop Zone 3- Investment Cost 2W

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM									
2	Arizona					Wire Center Zone 3 Unbundled Loop				
3	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
4	**Loop (2 wire)**				cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
5	2111	20C	Land	0.60	0.0000000	0.0045771	0.0018915	0.0006801	0.0023543	0.0095030
6	2121	110C	Building	6.98	0.0173518	0.0397343	0.0164206	0.0079220	0.0274255	0.1088543
7	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
8	2232.2	257C	Pair Gain—Digital	141.25	1.2731821	0.4954892	0.2047656	0.1603279	0.1684434	2.3022082
9	2411	1C	Poles	19.72	0.1417681	0.0715693	0.0295767	0.0223788	0.0087487	0.2740416
10	2421.11,.21	52C	Aerial Cbl Metallic	32.35	0.3216212	0.1407922	0.0581837	0.0367192	0.3677111	0.9250274
11	2421.11	42C	Aerial Drop	16.59	0.1649126	0.0721917	0.0298339	0.0188279	0.1885453	0.4743115
12	2422.11,.21	5C	UG Cbl Metallic	41.76	0.2684969	0.1899470	0.0784974	0.0473939	0.1541361	0.7384714
13	2422.12,.22	85C	UG Cbl Nonmetallic	7.73	0.0579490	0.0361526	0.0149404	0.0087694	0.0116488	0.1294602
14	2423.11,.21	45C	Buried Cbl Metallic	683.85	5.3777551	3.1437387	1.2991795	0.7762057	5.6719542	16.2688331
15	2423.11	35C	Buried Drop	118.17	0.9292921	0.5432474	0.2245021	0.1341307	0.9801306	2.8113028
16	2423.12,.22	845C	Buried Cbl Nonmetallic	118.00	0.6512167	0.5288100	0.2185357	0.1339312	0.1615767	1.6940703
17	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	6.78	0.0344480	0.0316744	0.0130898	0.0076953	0.0427644	0.1296719
18	2431	3C	Aerial Wire	0.57	0.0069086	0.0035468	0.0014658	0.0006442	0.0008703	0.0134357
19	2441	4C	Conduit System	69.86	0.1322564	0.3383733	0.1398359	0.0792949	0.0318905	0.7216510
20			Total	1293.30	9.63	5.74	2.37	1.47	7.89	$ 27.10
21	**Feeder (2 wire)**									
22	2111	20C	Land	0.60	0.0000000	0.0045771	0.0018915	0.0006801	0.0023543	0.0095030
23	2121	110C	Building	6.98	0.0173518	0.0397343	0.0164206	0.0079220	0.0274255	0.1088543
24	2212	377C	Digital Switch	29.10	0.2527274	0.1018134	0.0420753	0.0330298	0.0681725	0.4978184
25	2232.2	257C	Pair Gain—Digital	141.25	1.2731821	0.4954892	0.2047656	0.1603279	0.1684434	2.3022082
26	2411	1C	Poles	0.10	0.0007341	0.0003706	0.0001532	0.0001159	0.0000453	0.0014191
27	2421.11,.21	52C	Aerial Cbl Metallic	0.17	0.0016947	0.0007419	0.0003066	0.0001935	0.0019376	0.0048743
28	2422.11,.21	5C	UG Cbl Metallic	39.38	0.2532304	0.1791468	0.0740341	0.0446991	0.1453721	0.6964824
29	2422.12,.22	85C	UG Cbl Nonmetallic	7.73	0.0579490	0.0361526	0.0149404	0.0087694	0.0116488	0.1294602
30	2423.11,.21	45C	Buried Cbl Metallic	2.69	0.0211250	0.0123493	0.0051035	0.0030491	0.0222806	0.0639074
31	2423.12,.22	845C	Buried Cbl Nonmetallic	118.00	0.6512167	0.5288100	0.2185357	0.1339312	0.1615767	1.6940703
32	2441	4C	Conduit System	69.86	0.1322564	0.3383733	0.1398359	0.0792949	0.0318905	0.7216510
33			Total	415.85	2.66	1.74	0.72	0.47	0.64	$ 6.23
34	**Distribution (2 wire)**									
35	2411	1C	Poles	19.61	0.1410340	0.0711987	0.0294235	0.0222630	0.0087034	0.2726225
36	2421.11,.21	52C	Aerial Cbl Metallic	32.18	0.3199265	0.1400503	0.0578771	0.0365257	0.3657735	0.9201531
37	2421.11	42C	Aerial Drop	16.59	0.1649126	0.0721917	0.0298339	0.0188279	0.1885453	0.4743115
38	2422.11,.21	5C	UG Cbl Metallic	2.37	0.0152665	0.0108002	0.0044633	0.0026948	0.0087641	0.0419889
39	2423.11,.21	45C	Buried Cbl Metallic	681.17	5.3566301	3.1313894	1.2940760	0.7731566	5.6496735	16.2049257
40	2423.11	35C	Buried Drop	118.17	0.9292921	0.5432474	0.2245021	0.1341307	0.9801306	2.8113028
41	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	6.78	0.0344480	0.0316744	0.0130898	0.0076953	0.0427644	0.1296719
42	2431	3C	Aerial Wire	0.57	0.0069086	0.0035468	0.0014658	0.0006442	0.0008703	0.0134357
43			Total	877.44	6.97	4.00	1.65	1.00	7.25	$ 20.87
44	**Investment Sources**									
45	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)				
46	Unbundled Loop = sA p9 cD-I							Billing = AP p10 F21		

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2-Wire Unbundled Loop Cost Summary by Zones

Office Name		Statewide Average	Wire Center Zone	Wire Center Zone	Wire Center Zone	Wire Center Zone	Wire Center Zone
Zone			1	2	3	4	5
Total Loop Cost Calculations							
Investments by Account (From Wire Center Loop Costs or Loop Length Zone Data)	FRC						
Poles	1C	$12.12	$4.36	$9.03	$19.72	$0.00	$0.00
Aerial Cbl Metallic	52C	$20.05	$7.27	$15.07	$32.35	$0.00	$0.00
Aerial Wire	3C	$0.18	$0.00	$0.01	$0.57	$0.00	$0.00
Conduit System	4C	$80.58	$87.55	$85.28	$69.86	$0.00	$0.00
UG Cbl Metallic	5C	$53.58	$65.81	$58.37	$41.76	$0.00	$0.00
Buried Cbl Metallic	45C	$450.37	$186.71	$357.64	$683.85	$0.00	$0.00
Intrabuilding Cbl., Exch., Metallic	62C	$12.69	$24.93	$14.56	$6.78	$0.00	$0.00
UG Cbl Nonmetallic	85C	$5.28	$2.59	$4.31	$7.73	$0.00	$0.00
Pair Gain—Digital	257C	$104.86	$50.41	$91.58	$141.25	$0.00	$0.00
Buried Cbl Nonmetallic	845C	$38.32	$0.28	$2.12	$118.00	$0.00	$0.00
Buried Drop	35C	$82.01	$34.89	$68.21	$118.17	$0.00	$0.00
Aerial Drop	42C	$11.51	$4.90	$9.57	$16.59	$0.00	$0.00
Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$0.00	$0.00
Land	20C	$0.47	$0.28	$0.43	$0.60	$0.00	$0.00
Building	110C	$5.49	$3.27	$4.95	$6.98	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Loop Investment		$906.64	$502.35	$750.22	$1,293.30	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$6.61	$3.35	$5.40	$9.63	$0.00	$0.00
Cost of Money		$4.02	$2.24	$3.33	$5.74	$0.00	$0.00
Income Tax		$1.66	$0.93	$1.38	$2.37	$0.00	$0.00
Ad Valorem		$1.03	$0.57	$0.85	$1.47	$0.00	$0.00
Maintenance		$5.37	$2.56	$4.37	$7.89	$0.00	$0.00
Total Capital Costs		$18.70	$9.65	$15.33	$27.10	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$19.61	$10.55	$16.24	$28.01	$0.00	$0.00
TELRIC		$24.56	$15.51	$21.19	$32.96	$0.00	$0.00
Common		$0.92	$0.92	$0.92	$0.92	$0.00	$0.00
Total Loop TELRIC + Common		$25.49	$16.43	$22.11	$33.88	$0.00	$0.00
Feeder Cost Calculations							
Investments by Account	FRC						
Poles	1C	$0.03	$0.00	$0.00	$0.10	$0.00	$0.00
Aerial Cbl Metallic	52C	$0.05	$0.00	$0.00	$0.17	$0.00	$0.00
Conduit System	4C	$80.58	$87.55	$85.28	$69.86	$0.00	$0.00
UG Cbl Metallic	5C	$49.18	$56.70	$53.39	$39.38	$0.00	$0.00
Buried Cbl Metallic	45C	$0.84	$0.00	$0.00	$2.69	$0.00	$0.00
UG Cbl Nonmetallic	85C	$5.28	$2.59	$4.31	$7.73	$0.00	$0.00
Pair Gain—Digital	257C	$104.86	$50.41	$91.58	$141.25	$0.00	$0.00
Buried Cbl Nonmetallic	845C	$38.32	$0.28	$2.12	$118.00	$0.00	$0.00
Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$0.00	$0.00
Land	20C	$0.47	$0.28	$0.43	$0.60	$0.00	$0.00
Building	110C	$5.49	$3.27	$4.95	$6.98	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Feeder Investment		$314.22	$230.19	$271.15	$415.85	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$1.94	$1.27	$1.64	$2.66	$0.00	$0.00
Cost of Money		$1.32	$0.99	$1.14	$1.74	$0.00	$0.00
Income Tax		$0.55	$0.41	$0.47	$0.72	$0.00	$0.00
Ad Valorem		$0.36	$0.26	$0.31	$0.47	$0.00	$0.00
Maintenance		$0.50	$0.40	$0.44	$0.64	$0.00	$0.00
Total Feeder Capital Costs		$4.66	$3.33	$4.00	$6.23	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$4.90	$3.57	$4.24	$6.47	$0.00	$0.00
TELRIC		$6.14	$4.81	$5.48	$7.71	$0.00	$0.00
Common		$0.23	$0.23	$0.23	$0.23	$0.00	$0.00
Feeder TELRIC + Common		$6.37	$5.04	$5.71	$7.94	$0.00	$0.00
Distribution Cost Calculations							
Investments by Account	FRC						
Poles	1C	$12.09	$4.36	$9.03	$19.61	$0.00	$0.00
Aerial Cbl Metallic	52C	$20.00	$7.27	$15.07	$32.18	$0.00	$0.00
Aerial Wire	3C	$0.18	$0.00	$0.01	$0.57	$0.00	$0.00
UG Cbl Metallic	5C	$4.40	$9.11	$4.98	$2.37	$0.00	$0.00
Buried Cbl Metallic	45C	$449.53	$186.71	$357.64	$681.17	$0.00	$0.00
Intrabuilding Cbl., Exch., Metallic	62C	$12.69	$24.93	$14.56	$6.78	$0.00	$0.00
Buried Drop	35C	$82.01	$34.89	$68.21	$118.17	$0.00	$0.00
Aerial Drop	42C	$11.51	$4.90	$9.57	$16.59	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Distribution Investment		$592.42	$272.16	$479.07	$877.44	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$4.68	$2.08	$3.76	$6.97	$0.00	$0.00
Cost of Money		$2.71	$1.25	$2.19	$4.00	$0.00	$0.00
Income Tax		$1.12	$0.51	$0.90	$1.65	$0.00	$0.00
Ad Valorem		$0.67	$0.31	$0.54	$1.00	$0.00	$0.00
Maintenance		$4.87	$2.17	$3.93	$7.25	$0.00	$0.00
Total Distribution Capital Costs		$14.04	$6.32	$11.33	$20.87	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$14.72	$7.00	$12.01	$21.55	$0.00	$0.00
TELRIC		$18.44	$10.72	$15.73	$25.27	$0.00	$0.00
Common		$0.69	$0.69	$0.69	$0.69	$0.00	$0.00
Distribution TELRIC + Common		$19.14	$11.42	$16.43	$25.97	$0.00	$0.00

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4-Wire Unbundled Loop Cost Summary by Zones

Office Name		Statewide Average	Wire Center Zone	Wire Center Zone	Wire Center Zone	Wire Center Zone	Wire Center Zone
Zone			1	2	3	4	5
Total Loop Cost Calculations							
Investments by Account (From Wire Center Loop Costs or Loop Length Zone Data)	FRC						
Poles	1C	$24.24	$8.71	$18.07	$39.43	$0.00	$0.00
Aerial Cbl Metallic	52C	$40.11	$14.55	$30.14	$64.70	$0.00	$0.00
Aerial Wire	3C	$0.37	$0.00	$0.02	$1.14	$0.00	$0.00
Conduit System	4C	$161.15	$175.10	$170.57	$139.72	$0.00	$0.00
UG Cbl Metallic	5C	$107.16	$131.62	$116.74	$83.51	$0.00	$0.00
Buried Cbl Metallic	45C	$900.74	$373.42	$715.27	$1,367.71	$0.00	$0.00
Intrabuilding Cbl., Exch., Metallic	62C	$25.39	$49.85	$29.11	$13.56	$0.00	$0.00
UG Cbl Nonmetallic	85C	$10.57	$5.18	$8.62	$15.45	$0.00	$0.00
Pair Gain—Digital	257C	$209.71	$100.82	$183.15	$282.50	$0.00	$0.00
Buried Cbl Nonmetallic	845C	$76.65	$0.56	$4.23	$235.99	$0.00	$0.00
Buried Drop	35C	$164.03	$69.78	$136.41	$236.34	$0.00	$0.00
Aerial Drop	42C	$23.02	$9.79	$19.15	$33.18	$0.00	$0.00
Digital Switch	377c	$58.20	$58.20	$58.20	$58.20	$0.00	$0.00
Land	20C	$0.94	$0.56	$0.85	$1.20	$0.00	$0.00
Building	110C	$10.99	$6.55	$9.91	$13.96	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Loop Investment		$1,813.27	$1,004.69	$1,500.44	$2,586.80	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$13.23	$6.69	$10.81	$19.26	$0.00	$0.00
Cost of Money		$8.05	$4.48	$6.66	$11.48	$0.00	$0.00
Income Tax		$3.33	$1.85	$2.75	$4.75	$0.00	$0.00
Ad Valorem		$2.06	$1.14	$1.70	$2.94	$0.00	$0.00
Maintenance		$10.74	$5.13	$8.74	$15.77	$0.00	$0.00
Total Capital Costs		$37.40	$19.30	$30.66	$54.20	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$39.20	$21.09	$32.46	$55.99	$0.00	$0.00
TELRIC		$49.10	$30.99	$42.36	$65.90	$0.00	$0.00
Common		$1.85	$1.85	$1.85	$1.85	$0.00	$0.00
Total Loop TELRIC + Common		**$50.95**	**$32.84**	**$44.21**	**$67.74**	**$0.00**	**$0.00**
Feeder Cost Calculations							
Investments by Account	FRC						
Poles	1C	$0.06	$0.00	$0.00	$0.20	$0.00	$0.00
Aerial Cbl Metallic	52C	$0.11	$0.00	$0.00	$0.34	$0.00	$0.00
Conduit System	4C	$161.15	$175.10	$170.57	$139.72	$0.00	$0.00
UG Cbl Metallic	5C	$98.37	$113.41	$106.77	$78.76	$0.00	$0.00
Buried Cbl Metallic	45C	$1.68	$0.00	$0.00	$5.37	$0.00	$0.00
UG Cbl Nonmetallic	85C	$10.57	$5.18	$8.62	$15.45	$0.00	$0.00
Pair Gain—Digital	257C	$209.71	$100.82	$183.15	$282.50	$0.00	$0.00
Buried Cbl Nonmetallic	845C	$76.65	$0.56	$4.23	$235.99	$0.00	$0.00
Digital Switch	377C	$58.20	$58.20	$58.20	$58.20	$0.00	$0.00
Land	20C	$0.94	$0.56	$0.85	$1.20	$0.00	$0.00
Building	110C	$10.99	$6.55	$9.91	$13.96	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Feeder Investment		$628.44	$460.38	$542.30	$831.71	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$3.88	$2.53	$3.28	$5.32	$0.00	$0.00
Cost of Money		$2.64	$1.99	$2.28	$3.48	$0.00	$0.00
Income Tax		$1.09	$0.82	$0.94	$1.44	$0.00	$0.00
Ad Valorem		$0.71	$0.52	$0.62	$0.94	$0.00	$0.00
Maintenance		$1.01	$0.79	$0.89	$1.28	$0.00	$0.00
Total Feeder Capital Costs		$9.33	$6.66	$8.00	$12.46	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$9.79	$7.12	$8.46	$12.92	$0.00	$0.00
TELRIC		$12.26	$9.59	$10.94	$15.39	$0.00	$0.00
Common		$0.46	$0.46	$0.46	$0.46	$0.00	$0.00
Feeder TELRIC + Common		**$12.72**	**$10.05**	**$11.40**	**$15.85**	**$0.00**	**$0.00**
Distribution Cost Calculations							
Investments by Account	FRC						
Poles	1C	$24.18	$8.71	$18.07	$39.23	$0.00	$0.00
Aerial Cbl Metallic	52C	$40.00	$14.55	$30.14	$64.36	$0.00	$0.00
Aerial Wire	3C	$0.37	$0.00	$0.02	$1.14	$0.00	$0.00
UG Cbl Metallic	5C	$8.79	$18.21	$9.97	$4.75	$0.00	$0.00
Buried Cbl Metallic	45C	$899.06	$373.42	$715.27	$1,362.34	$0.00	$0.00
Intrabuilding Cbl., Exch., Metallic	62C	$25.39	$49.85	$29.11	$13.56	$0.00	$0.00
Buried Drop	35C	$164.03	$69.78	$136.41	$236.34	$0.00	$0.00
Aerial Drop	42C	$23.02	$9.79	$19.15	$33.18	$0.00	$0.00
General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0000	$0.0000
Total Distribution Investment		$1,184.93	$544.32	$958.14	$1,754.89	$0.00	$0.00
Investment Cost Calculation							
Depreciation		$9.35	$4.16	$7.53	$13.94	$0.00	$0.00
Cost of Money		$5.41	$2.49	$4.38	$8.01	$0.00	$0.00
Income Tax		$2.24	$1.03	$1.81	$3.31	$0.00	$0.00
Ad Valorem		$1.34	$0.62	$1.09	$1.99	$0.00	$0.00
Maintenance		$9.74	$4.34	$7.85	$14.49	$0.00	$0.00
Total Distribution Capital Costs		$28.08	$12.64	$22.66	$41.74	$0.00	$0.00
Development of Total Product Costs							
Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0000	$0.0000
Direct Costs		$29.43	$13.99	$24.01	$43.09	$0.00	$0.00
TELRIC		$36.87	$21.42	$31.44	$50.52	$0.00	$0.00
Common		$1.39	$1.39	$1.39	$1.39	$0.00	$0.00
Distribution TELRIC + Common		**$38.25**	**$22.81**	**$32.83**	**$51.91**	**$0.00**	**$0.00**

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	D	E	F	G	H	I	J
1	Arizona									
2	Compliance Phase IIa 1/31/03 8:33:20 AM									
3	**2W Wire Center Cost Calculations**									
4		**Office Name**		**Sunrise**	**Buckeye**	**Black Canyon**	**Beardsley**	**Chandler Main**	**Chandler South**	**Chandler West**
5		CLLI		AGFIAZSR	BCKYAZMA	BLCNAZMA	BRDSAZMA	CHNDAZMA	CHNDAZSO	CHNDAZWE
6		Zone		3	3	3	3	2	3	2
7		Lines		24939	6718	1647	28640	63892	12743	38627
8	**Total Loop Cost Calculations**									
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)		FRC							
10		Poles	1C	$14.44	$35.57	$23.81	$13.93	$12.44	$15.53	$10.42
11		Aerial Cbl Metallic	52C	$23.96	$55.29	$39.54	$22.86	$20.72	$25.84	$17.37
12		Aerial Wire	3C	$0.14	$4.09	$0.21	$0.41	$0.05	$0.09	$0.02
13		Conduit System	4C	$39.80	$50.28	$15.42	$58.31	$57.45	$114.97	$80.22
14		UG Cbl Metallic	5C	$22.35	$25.16	$10.46	$33.53	$36.92	$75.69	$54.01
15		Buried Cbl Metallic	45C	$535.53	$962.74	$875.44	$499.65	$478.61	$575.14	$408.79
16		Intrabuilding Cbl., Exch., Metallic	62C	$3.52	$7.20	$6.08	$6.30	$9.40	$2.34	$11.57
17		UG Cbl Nonmetallic	85C	$5.65	$11.09	$1.79	$8.22	$5.13	$3.03	$4.51
18		Pair Gain—Digital	257C	$142.95	$341.42	$156.01	$142.41	$118.74	$35.47	$98.87
19		Buried Cbl Nonmetallic	845C	$4.76	$470.01	$137.25	$49.61	$10.91	$12.16	$0.00
20		Buried Drop	35C	$104.11	$145.03	$179.88	$91.84	$83.25	$114.96	$70.93
21		Aerial Drop	42C	$14.62	$20.24	$25.34	$12.87	$11.68	$16.15	$9.95
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$0.61	$1.30	$0.65	$0.60	$0.52	$0.23	$0.45
24		Building	110C	$7.05	$15.15	$7.58	$7.03	$6.06	$2.66	$5.25
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26										
27		**Total Loop Investment**		**$848.58**	**$2,173.60**	**$1,608.67**	**$976.58**	**$880.99**	**$1,023.35**	**$801.47**
28	Investment Cost Calculation									
29		Depreciation		$7.38	$16.11	$11.69	$7.36	$6.66	$7.34	$5.87
30		Cost of Money		$4.17	$9.52	$6.69	$4.30	$3.89	$4.64	$3.55
31		Income Tax		$1.72	$3.93	$2.77	$1.78	$1.61	$1.92	$1.47
32		Ad Valorem		$1.08	$2.47	$1.71	$1.11	$1.00	$1.16	$0.91
33		Maintenance		$6.16	$11.43	$10.06	$5.86	$5.51	$6.75	$4.82
34		Total Capital Costs		$20.51	$43.46	$32.93	$20.49	$18.67	$21.75	$16.62
35	Development of Total Product Costs									
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$21.41	$44.37	$33.83	$21.31	$19.58	$22.66	$17.52
38		TELRIC		$26.37	$49.32	$38.79	$26.26	$24.53	$27.61	$22.48
39		Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**			**$27.29**	**$50.24**	**$39.71**	**$27.18**	**$25.46**	**$28.54**	**$23.40**
41	***Feeder Cost Calculations***									
42	Investments by Account		FRC							
43		Poles	1C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
44		Aerial Cbl Metallic	52C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
45		Conduit System	4C	$39.80	$50.28	$15.42	$58.31	$57.45	$114.97	$80.22
46		UG Cbl Metallic	5C	$21.13	$22.61	$8.61	$31.03	$33.65	$74.85	$49.74
47		Buried Cbl Metallic	45C	$0.00	$0.00	$57.28	$0.00	$0.00	$0.00	$0.00
48		UG Cbl Nonmetallic	85C	$5.65	$11.09	$1.79	$8.22	$5.13	$3.03	$4.51
49		Pair Gain—Digital	257C	$142.95	$341.42	$156.01	$142.41	$118.74	$35.47	$98.87
50		Buried Cbl Nonmetallic	845C	$4.76	$470.01	$137.25	$49.61	$10.91	$12.16	$0.00
51		Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$0.61	$1.30	$0.65	$0.60	$0.52	$0.23	$0.45
53		Building	110C	$7.05	$15.15	$7.58	$7.03	$6.06	$2.66	$5.25
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55										
56		**Total Feeder Investment**		**$251.05**	**$940.96**	**$413.69**	**$326.31**	**$281.36**	**$272.96**	**$268.15**
57	Investment Cost Calculation									
58		Depreciation		$1.84	$6.29	$2.98	$2.20	$1.76	$1.37	$1.66
59		Cost of Money		$0.98	$3.90	$1.70	$1.33	$1.06	$1.21	$1.12
60		Income Tax		$0.41	$1.61	$0.70	$0.55	$0.44	$0.50	$0.46
61		Ad Valorem		$0.28	$1.07	$0.47	$0.37	$0.30	$0.31	$0.30
62		Maintenance		$0.38	$1.31	$0.99	$0.49	$0.41	$0.47	$0.44
63		Total Feeder Capital Costs		$3.90	$14.17	$6.84	$4.94	$3.97	$3.66	$3.98
64	Development of Total Product Costs									
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$4.13	$14.41	$7.08	$5.18	$4.21	$4.10	$4.22
67		TELRIC		$5.37	$15.65	$8.32	$6.42	$5.44	$5.34	$5.46
68		Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**			**$5.60**	**$15.88**	**$8.55**	**$6.65**	**$5.68**	**$5.57**	**$5.69**
70	**Distribution Cost Calculations**									
71	Investments by Account		FRC							
72		Poles	1C	$14.44	$35.57	$23.81	$13.93	$12.44	$15.53	$10.42
73		Aerial Cbl Metallic	52C	$23.96	$55.29	$39.54	$22.86	$20.72	$25.84	$17.37

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	D	E	F	G	H	I	J
3	2W Wire Center Cost Calculations									
4		Office Name		Sunrise	Buckeye	Black Canyon	Beardsley	Chandler Main	Chandler South	Chandler West
5		CLLI		AGFIAZSR	BCKYAZMA	BLCNAZMA	BRDSAZMA	CHNDAZMA	CHNDAZSO	CHNDAZWE
6		Zone		3	3	3	3	2	3	2
7		Lines		24939	6718	1647	28640	63892	12743	38627
74		Aerial Wire	3C	$0.14	$4.09	$0.21	$0.41	$0.05	$0.09	$0.02
75		UG Cbl Metallic	5C	$1.21	$2.55	$1.85	$2.50	$3.27	$0.84	$4.27
76		Buried Cbl Metallic	45C	$535.53	$962.74	$818.16	$499.65	$478.61	$575.14	$408.79
77		Intrabuilding Cbl., Exch., Metallic	62C	$3.52	$7.20	$6.08	$6.30	$9.40	$2.34	$11.57
78		Buried Drop	35C	$104.11	$145.03	$179.88	$91.84	$83.25	$114.96	$70.93
79		Aerial Drop	42C	$14.62	$20.24	$25.34	$12.87	$11.68	$16.15	$9.95
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$697.53	$1,232.70	$1,094.88	$650.35	$619.43	$750.89	$533.32
82	Investment Cost Calculation									
83		Depreciation		$5.54	$9.82	$8.71	$5.16	$4.90	$5.97	$4.21
84		Cost of Money		$3.18	$5.62	$5.00	$2.97	$2.83	$3.43	$2.44
85		Income Tax		$1.32	$2.32	$2.06	$1.23	$1.17	$1.42	$1.01
86		Ad Valorem		$0.79	$1.40	$1.24	$0.74	$0.70	$0.85	$0.61
87		Maintenance		$5.78	$10.12	$9.07	$5.37	$5.11	$6.23	$4.38
88		Total Distribution Capital Costs		$16.61	$29.29	$26.08	$15.46	$14.71	$17.90	$12.64
89	Development of Total Product Costs									
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
91		Direct Costs		$17.30	$29.97	$26.77	$16.15	$15.39	$18.58	$13.32
92		TELRIC		$21.02	$33.69	$30.49	$19.87	$19.11	$22.30	$17.04
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$21.71	$34.39	$31.18	$20.56	$19.80	$22.99	$17.73

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Arizona															
2	Compliance Phase IIa 1/31/03 8:33:20 AM															
3	**2W Wire Center Cost Calculations**															
4		**Office Name**		**Chino Valley**	**Coolidge**	**Camp Verde**	**Coronado**	**Casa Grande**	**Cottonwood Main**	**Cottonwood South**	**Cave Creek**	**Deer Valley North**	**Eloy**	**Flagstaff East**	**Flagstaff Main**	**Flagstaff South**
5		CLLI		CHVYAZMA	CLDGAZMA	CMVRAZMA	CRNDAZMA	CSGRAZMA	CTWDAZMA	CTWDAZSO	CVCKAZMA	DRVYAZNO	ELOYAZDI	FLGSAZEA	FLGSAZMA	FLGSAZSO
6		Zone		3	3	3	3	3	3	2	3	3	3	3	3	3
7		Lines		6288	5110	6770	9432	17071	12797	2804	13732	40462	5356	15679	26669	2603
8	**Total Loop Cost Calculations**															
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)		FRC													
10		Poles	1C	$18.75	$22.75	$29.60	$24.68	$21.40	$22.92	$13.11	$26.88	$14.28	$32.52	$17.21	$10.72	$21.44
11		Aerial Cbl Metallic	52C	$30.91	$36.37	$47.80	$40.79	$34.29	$37.57	$21.81	$43.98	$23.75	$51.55	$28.55	$17.56	$35.65
12		Aerial Wire	3C	$0.40	$1.61	$1.62	$0.42	$1.43	$0.70	$0.08	$0.89	$0.09	$2.74	$0.19	$0.34	$0.15
13		Conduit System	4C	$89.78	$80.96	$58.24	$46.31	$70.70	$84.09	$61.67	$62.26	$74.72	$54.85	$88.15	$76.83	$107.68
14		UG Cbl Metallic	5C	$59.08	$48.76	$35.52	$28.22	$40.25	$48.48	$38.67	$33.42	$46.34	$29.10	$54.38	$52.42	$69.48
15		Buried Cbl Metallic	45C	$640.54	$713.87	$935.69	$854.01	$689.66	$788.70	$491.36	$884.63	$536.63	$949.69	$633.47	$399.76	$803.69
16		Intrabuilding Cbl., Exch., Metallic	62C	$22.94	$7.23	$7.15	$1.28	$7.55	$7.37	$1.85	$3.85	$6.73	$4.52	$10.73	$23.15	$1.49
17		UG Cbl Nonmetallic	85C	$8.67	$8.26	$6.08	$3.71	$10.07	$10.70	$3.46	$9.68	$6.50	$9.44	$8.60	$7.17	$4.18
18		Pair Gain—Digital	257C	$187.00	$204.17	$107.09	$116.40	$144.46	$144.28	$60.89	$148.19	$104.75	$238.46	$149.94	$127.20	$32.00
19		Buried Cbl Nonmetallic	845C	$215.82	$300.93	$121.57	$71.14	$218.72	$159.77	$23.68	$149.71	$16.32	$322.22	$321.95	$288.98	$35.48
20		Buried Drop	35C	$93.91	$124.68	$150.95	$160.56	$107.02	$128.56	$106.67	$166.06	$97.19	$165.05	$102.67	$58.56	$128.54
21		Aerial Drop	42C	$13.20	$17.44	$21.17	$22.59	$14.97	$18.05	$14.97	$23.32	$13.65	$23.09	$14.42	$8.20	$18.07
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$0.76	$0.82	$0.48	$0.51	$0.61	$0.61	$0.32	$0.62	$0.47	$0.94	$0.63	$0.55	$0.22
24		Building	110C	$8.85	$9.55	$5.59	$5.97	$7.11	$7.10	$3.70	$7.26	$5.49	$10.95	$7.33	$6.41	$2.52
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26																
27		**Total Loop Investment**		$1,416.59	$1,600.29	$1,487.84	$1,405.69	$1,397.33	$1,488.00	$[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	$1,110.90	$1,289.69
28	Investment Cost Calculation															
29		Depreciation		$10.24	$11.66	$11.79	$10.80	$10.21	$10.98	$6.51	$11.99	$7.28	$14.37	$10.38	$7.61	$9.45
30		Cost of Money		$6.27	$7.10	$6.98	$6.27	$6.21	$6.63	$3.90	$7.08	$4.34	$8.50	$6.52	$4.90	$5.85
31		Income Tax		$2.59	$2.93	$2.88	$2.59	$2.56	$2.74	$1.61	$2.93	$1.79	$3.51	$2.69	$2.02	$2.42
32		Ad Valorem		$1.61	$1.82	$1.77	$1.60	$1.59	$1.69	$0.99	$1.80	$1.11	$2.18	$1.67	$1.26	$1.46
33		Maintenance		$7.64	$8.62	$10.41	$9.62	$7.99	$9.02	$5.76	$10.16	$6.18	$11.13	$7.64	$5.13	$8.84
34		**Total Capital Costs**		$28.35	$32.13	$33.83	$30.88	$28.56	$31.06	$18.77	$33.97	$20.71	$39.69	$28.89	$20.91	$28.03
35	Development of Total Product Costs															
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$29.26	$33.03	$34.74	$31.79	$29.47	$31.96	$19.68	$34.88	$21.62	$40.60	$29.80	$21.82	$28.93
38		TELRIC		$34.21	$37.99	$39.69	$36.74	$34.42	$36.92	$24.63	$39.83	$26.57	$45.55	$34.76	$26.77	$33.89
39		Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**			**$35.14**	**$38.91**	**$40.61**	**$37.67**	**$35.35**	**$37.84**	**$25.56**	**$40.76**	**$27.48**	**$46.48**	**$35.68**	**$27.69**	**$34.81**
41	**Feeder Cost Calculations**															
42	Investments by Account		FRC													
43		Poles	1C	$1.30	$0.00	$0.02	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.73
44		Aerial Cbl Metallic	52C	$2.17	$0.00	$0.04	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.21
45		Conduit System	4C	$89.78	$80.96	$58.24	$46.31	$70.70	$84.09	$61.67	$62.26	$74.72	$54.85	$88.15	$76.83	$107.68
46		UG Cbl Metallic	5C	$51.92	$46.36	$33.20	$27.57	$37.52	$45.95	$38.24	$32.20	$43.95	$27.42	$50.88	$44.69	$68.71
47		Buried Cbl Metallic	45C	$22.20	$0.00	$1.09	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$45.81
48		UG Cbl Nonmetallic	85C	$8.67	$8.26	$6.08	$3.71	$10.07	$10.70	$3.46	$9.68	$6.50	$9.44	$8.60	$7.17	$4.18
49		Pair Gain—Digital	257C	$187.00	$204.17	$107.09	$116.40	$144.46	$144.28	$60.89	$148.19	$104.75	$238.46	$149.94	$127.20	$32.00
50		Buried Cbl Nonmetallic	845C	$215.82	$300.93	$121.57	$71.14	$218.72	$159.77	$23.68	$149.71	$16.32	$322.22	$321.95	$288.98	$35.48
51		*Digital Switch*	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$0.76	$0.82	$0.48	$0.51	$0.61	$0.61	$0.32	$0.62	$0.47	$0.94	$0.63	$0.55	$0.22
53		Building	110C	$8.85	$9.55	$5.59	$5.97	$7.11	$7.10	$3.70	$7.26	$5.49	$10.95	$7.33	$6.41	$2.52
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																
56		**Total Feeder Investment**		[illegible]	$617.97	$380.14	$382.50	$300.71	$516.28	$451.60	$221.07	[illegible]	[illegible]	[illegible]	$656.80	$580.92	$327.65
57	Investment Cost Calculation															
58		Depreciation		$3.93	$4.29	$2.28	$2.00	$3.23	$2.99	$1.33	$2.63	$1.77	$4.58	$3.96	$3.50	$1.80
59		Cost of Money		$2.61	$2.87	$1.52	$1.23	$2.19	$2.04	$0.93	$1.83	$1.17	$2.89	$2.82	$2.49	$1.46
60		Income Tax		$1.08	$1.19	$0.63	$0.51	$0.91	$0.84	$0.39	$0.76	$0.48	$1.19	$1.16	$1.03	$0.60
61		Ad Valorem		$0.70	$0.77	$0.41	$0.34	$0.59	$0.55	$0.25	$0.50	$0.32	$0.79	$0.75	$0.66	$0.37
62		Maintenance		$1.08	$0.98	$0.55	$0.46	$0.76	$0.71	$0.36	$0.84	$0.48	$0.98	$0.96	$0.85	$0.87
63		**Total Feeder Capital Costs**		$9.39	$10.10	$5.40	$4.55	$7.68	$7.12	$3.26	$6.56	$4.19	$10.41	$9.64	$8.53	$5.10
64	Development of Total Product Costs															
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$9.63	$10.34	$5.64	$4.78	$7.91	$7.36	$3.50	$6.80	$4.43	$10.64	$9.88	$8.77	$5.34
67		TELRIC		$10.87	$11.58	$6.88	$6.02	$9.15	$8.60	$4.74	$8.04	$5.67	$11.88	$11.12	$10.01	$6.58
68		Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**			**$11.10**	**$11.81**	**$7.11**	**$6.25**	**$9.38**	**$8.83**	**$4.97**	**$8.27**	**$5.90**	**$12.11**	**$11.35**	**$10.24**	**$6.81**
70	**Distribution Cost Calculations**															
71	Investments by Account		FRC													
72		Poles	1C	$17.45	$22.75	$29.58	$24.68	$21.40	$22.92	$13.11	$26.88	$14.28	$32.52	$17.21	$10.72	$20.72
73		Aerial Cbl Metallic	52C	$28.75	$36.37	$47.76	$40.79	$34.29	$37.57	$21.81	$43.98	$23.75	$51.55	$28.55	$17.56	$34.44

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	K	L	M	N	O	P	Q	R	S	T	U	V	W
3	2W Wire Center Cost Calculations															
4		Office Name		Chino Valley	Coolidge	Camp Verde	Coronado	Casa Grande	Cottonwood Main	Cottonwood South	Cave Creek	Deer Valley North	Eloy	Flagstaff East	Flagstaff Main	Flagstaff South
5		CLLI		CHVYAZMA	CLDGAZMA	CMVRAZMA	CRNDAZMA	CSGRAZMA	CTWDAZMA	CTWDAZSO	CVCKAZMA	DRVYAZNO	ELOYAZ01	FLGSAZEA	FLGSAZMA	FLGSAZSO
6		Zone		3	3	3	3	3	3	2	3	3	3	3	3	3
7		Lines		6288	5110	6770	9432	17071	12797	2804	13732	40462	5356	15679	26669	2603
74		Aerial Wire	3C	$0.40	$1.61	$1.62	$0.42	$1.43	$0.70	$0.08	$0.89	$0.09	$2.74	$0.19	$0.34	$0.15
75		UG Cbl Metallic	5C	$7.14	$2.40	$2.32	$0.65	$2.73	$2.52	$0.63	$1.22	$2.39	$1.68	$3.50	$7.73	$0.77
76		Buried Cbl Metallic	45C	$618.33	$713.87	$934.80	$854.01	$689.66	$788.70	$491.36	$884.63	$536.63	$949.69	$633.47	$399.76	$757.87
77		Intrabuilding Cbl., Exch., Metallic	62C	$22.94	$7.23	$7.15	$1.28	$7.55	$7.37	$1.85	$3.85	$6.73	$4.52	$10.73	$23.15	$1.49
78		Buried Drop	35C	$93.91	$124.68	$150.95	$160.56	$107.02	$128.56	$106.67	$166.06	$97.19	$165.05	$102.67	$58.56	$128.54
79		Aerial Drop	42C	$13.20	$17.44	$21.17	$22.59	$14.97	$18.05	$14.97	$23.32	$13.65	$23.09	$14.42	$8.20	$18.07
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investments		$802.11	$928.38	$1,195.34	$1,104.98	$879.05	$1,006.30	$650.49	$1,180.83	$694.71	$1,230.84	$810.74	$529.03	$962.04
82	Investment Cost Calculation															
83		Depreciation		$6.31	$7.36	$9.51	$8.80	$6.98	$7.99	$5.18	$9.16	$5.51	$9.81	$6.42	$4.11	$7.66
84		Cost of Money		$3.66	$4.23	$5.45	$5.04	$4.01	$4.59	$2.97	$5.26	$3.17	$5.61	$3.70	$2.40	$4.39
85		Income Tax		$1.51	$1.75	$2.25	$2.08	$1.66	$1.90	$1.23	$2.17	$1.31	$2.32	$1.53	$0.99	$1.81
86		Ad Valorem		$0.91	$1.05	$1.36	$1.25	$1.00	$1.14	$0.74	$1.31	$0.79	$1.40	$0.92	$0.60	$1.09
87		Maintenance		$6.56	$7.63	$9.86	$9.16	$7.24	$8.31	$5.40	$9.52	$5.74	$10.15	$6.68	$4.27	$7.97
88		Total Distribution Capital Costs		$18.96	$22.02	$28.43	$26.34	$20.89	$23.93	$15.51	$27.41	$16.52	$29.29	$19.25	$12.38	$22.92
89	Development of Total Product Costs															
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
91		Direct Costs		$19.65	$22.71	$29.11	$27.02	$21.57	$24.62	$16.19	$28.09	$17.20	$29.97	$19.94	$13.06	$23.61
92		TELRIC		$23.36	$26.43	$32.83	$30.74	$25.29	$28.34	$19.91	$31.81	$20.92	$33.69	$23.66	$16.78	$27.33
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$24.06	$27.12	$33.53	$31.44	$25.98	$29.03	$20.61	$32.51	$21.62	$34.39	$24.35	$17.48	$28.02

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A / B	C	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1	Arizona															
2	Compliance Phase IIa 1/31/03 8:33:20 AM															
3	**2W Wire Center Cost Calculations**															
4	**Office Name**		**Florence**	**Ft Mcdowell**	**Rio Verde**	**Coldwater**	**Glendale**	**Green Valley**	**Higley**	**Queen Creek**	**Humboldt**	**Litchfield Park**	**Marana**	**Gilbert**	**Mesa**	**Munds Park**
5	CLLI		FLRNAZMA	FTMDAZMA	FTMDAZNO	GDYRAZCW	GLDLAZMA	GNVYAZMA	HGLYAZMA	HGLYAZQC	HMBLAZMA	LTPKAZMA	MARNAZMA	MESAAZGI	MESAAZMA	MSPKAZMA
6	Zone		3	3	3	3	2	3	3	3	3	3	3	2	2	3
7	Lines		4536	14243	1545	9218	56052	17476	3238	3876	4158	11958	7718	59219	102061	2668
8	**Total Loop Cost Calculations**															
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)	FRC														
10	Poles	1C	$28.80	$18.22	$24.40	$17.44	$8.41	$26.18	$30.28	$57.73	$49.28	$21.65	$33.77	$9.22	$7.15	$21.54
11	Aerial Cbl Metallic	52C	$45.18	$30.34	$38.91	$28.81	$14.04	$42.66	$49.59	$85.38	$75.12	$35.14	$54.62	$15.39	$11.93	$35.93
12	Aerial Wire	3C	$2.92	$0.09	$1.84	$0.30	$0.00	$1.05	$0.97	$11.01	$7.16	$1.01	$1.57	$0.01	$0.01	$0.03
13	Conduit System	4C	$45.23	$101.79	$5.47	$89.46	$104.53	$75.59	$47.85	$35.53	$72.53	$39.49	$16.88	$73.23	$81.68	$98.84
14	UG Cbl Metallic	5C	$19.82	$65.58	$0.57	$58.03	$71.53	$42.59	$21.62	$9.61	$34.47	$20.76	$4.81	$50.26	$57.89	$55.89
15	Buried Cbl Metallic	45C	$826.86	$663.61	$748.79	$627.00	$338.82	$857.58	$1,002.15	$1,193.18	$1,188.24	$710.55	$1,077.75	$367.35	$292.48	$810.27
16	Intrabuilding Cbl., Exch., Metallic	62C	$2.78	$8.99	$1.36	$6.98	$16.76	$1.32	$0.68	$0.19	$0.31	$5.36	$1.04	$14.43	$20.25	$1.71
17	UG Cbl Nonmetallic	85C	$11.71	$6.14	$3.58	$4.83	$4.65	$8.90	$10.81	$14.06	$14.35	$7.49	$6.84	$4.00	$4.00	$11.74
18	Pair Gain—Digital	257C	$436.86	$48.14	$461.27	$81.85	$73.56	$188.53	$195.79	$334.96	$203.66	$174.88	$308.47	$90.84	$106.79	$57.45
19	Buried Cbl Nonmetallic	845C	$726.91	$2.23	$507.62	$76.77	$0.00	$434.42	$230.70	$480.98	$264.96	$67.95	$332.48	$0.00	$0.00	$104.52
20	Buried Drop	35C	$134.04	$124.53	$141.45	$108.51	$65.40	$162.43	$173.98	$245.27	$214.71	$132.03	$172.48	$69.59	$58.93	$118.08
21	Aerial Drop	42C	$18.75	$17.52	$19.78	$15.23	$9.18	$22.80	$24.43	$33.91	$29.88	$18.53	$24.20	$9.77	$7.99	$16.60
22	Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23	Land	20C	$1.63	$0.27	$1.72	$0.39	$0.36	$0.76	$0.79	$1.28	$0.82	$0.72	$1.18	$0.42	$0.48	$0.31
24	Building	110C	$19.04	$3.18	$20.04	$4.56	$4.22	$8.91	$9.20	$14.88	$9.53	$8.35	$13.80	$4.92	$5.57	$3.56
25	General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
27	**Total Loop Investment**		$2,349.61	$1,119.73	$2,005.89	$1,149.27	$740.56	$1,902.83	$1,827.94	$2,547.06	$2,194.10	$1,272.99	$2,079.19	$738.55	$682.24	$1,385.58
28	Investment Cost Calculation															
29	Depreciation		$17.00	$8.22	$15.09	$8.39	$5.17	$13.74	$13.84	$19.25	$16.56	$9.84	$15.90	$5.40	$4.89	$9.98
30	Cost of Money		$10.21	$5.08	$8.62	$5.15	$3.31	$8.45	$8.11	$11.22	$9.77	$5.61	$9.13	$3.27	$3.00	$6.17
31	Income Tax		$4.22	$2.09	$3.56	$2.13	$1.37	$3.49	$3.35	$4.64	$4.04	$2.32	$3.77	$1.35	$1.24	$2.55
32	Ad Valorem		$2.67	$1.27	$2.28	$1.30	$0.84	$2.16	$2.07	$2.89	$2.49	$1.44	$2.36	$0.84	$0.77	$1.55
33	Maintenance		$10.51	$7.59	$9.48	$7.21	$4.22	$10.36	$11.39	$14.59	$13.78	$8.15	$12.28	$4.43	$3.73	$8.88
34	Total Capital Costs		$44.60	$24.23	$39.04	$24.18	$14.91	$38.19	$38.77	$52.59	$46.82	$27.37	$43.44	$15.29	$13.64	$29.12
35	Development of Total Product Costs															
36	Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37	Direct Costs		$45.51	$25.13	$39.94	$25.09	$15.82	$39.10	$39.67	$53.49	$47.53	$28.28	$44.34	$16.20	$14.54	$30.03
38	TELRIC		$50.46	$30.09	$44.90	$30.04	$20.77	$44.05	$44.63	$58.45	$52.48	$33.23	$49.30	$21.15	$19.50	$34.98
39	Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**		$51.39	$31.01	$45.82	$30.97	$21.69	$44.98	$45.55	$59.37	$53.41	$34.16	$50.22	$22.08	$20.42	$35.91
41	**Feeder Cost Calculations**															
42	Investments by Account	FRC														
43	Poles	1C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
44	Aerial Cbl Metallic	52C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
45	Conduit System	4C	$45.23	$101.79	$5.47	$89.46	$104.53	$75.59	$47.85	$35.53	$72.53	$39.49	$16.88	$73.23	$81.68	$98.84
46	UG Cbl Metallic	5C	$18.54	$62.69	$0.00	$55.68	$66.09	$42.05	$21.25	$9.52	$34.33	$19.02	$4.36	$45.53	$51.26	$54.88
47	*Buried Cbl Metallic*	45C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
48	UG Cbl Nonmetallic	85C	$11.71	$6.14	$3.58	$4.83	$4.65	$8.90	$10.81	$14.06	$14.35	$7.49	$6.84	$4.00	$4.00	$11.74
49	Pair Gain—Digital	257C	$436.86	$48.14	$461.27	$81.85	$73.56	$188.53	$195.79	$334.96	$203.66	$174.88	$308.47	$90.84	$106.79	$57.45
50	Buried Cbl Nonmetallic	845C	$726.91	$2.23	$507.62	$76.77	$0.00	$434.42	$230.70	$480.98	$264.96	$67.95	$332.48	$0.00	$0.00	$104.52
51	Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52	Land	20C	$1.63	$0.27	$1.72	$0.39	$0.36	$0.76	$0.79	$1.28	$0.82	$0.72	$1.18	$0.42	$0.48	$0.31
53	Building	110C	$19.04	$3.18	$20.04	$4.56	$4.22	$8.91	$9.20	$14.88	$9.53	$8.35	$13.80	$4.92	$5.57	$3.56
54	General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																
56	**Total Feeder Investment**		$1,289.01	$253.55	$1,028.78	$342.64	$282.51	$788.27	$845.49	$920.31	$629.27	$346.99	$713.11	$248.05	$278.88	$360.40
57	*Investment Cost Calculation*															
58	Depreciation		$8.54	$1.35	$7.30	$1.99	$1.58	$4.85	$3.62	$6.20	$4.04	$2.48	$5.01	$1.55	$1.74	$1.98
59	Cost of Money		$5.37	$1.11	$4.17	$1.47	$1.22	$3.37	$2.26	$3.81	$2.64	$1.39	$2.90	$1.03	$1.16	$1.58
60	Income Tax		$2.22	$0.46	$1.72	$0.61	$0.50	$1.39	$0.93	$1.57	$1.09	$0.57	$1.20	$0.43	$0.48	$0.65
61	Ad Valorem		$1.46	$0.29	$1.17	$0.39	$0.32	$0.89	$0.62	$1.04	$0.71	$0.39	$0.81	$0.28	$0.32	$0.41
62	Maintenance		$1.77	$0.43	$1.41	$0.54	$0.47	$1.13	$0.77	$1.26	$0.90	$0.59	$0.98	$0.41	$0.45	$0.56
63	Total Feeder Capital Costs		$19.37	$3.63	$15.76	$5.00	$4.09	$11.63	$9.21	$13.69	$9.38	$5.33	$10.90	$3.69	$4.15	$5.19
64	Development of Total Product Costs															
65	Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66	Direct Costs		$19.61	$3.87	$16.00	$5.24	$4.33	$11.87	$8.45	$14.12	$9.62	$5.57	$11.14	$3.93	$4.39	$5.42
67	TELRIC		$20.85	$5.11	$17.24	$6.48	$5.57	$13.11	$9.69	$15.36	$10.86	$6.81	$12.38	$5.17	$5.63	$6.66
68	Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**		$21.08	$5.34	$17.47	$6.71	$5.80	$13.34	$9.92	$15.59	$11.09	$7.04	$12.61	$5.40	$5.86	$6.89
70	**Distribution Cost Calculations**															
71	Investments by Account	FRC														
72	Poles	1C	$28.80	$18.22	$24.40	$17.44	$8.41	$26.18	$30.28	$57.73	$49.28	$21.65	$33.77	$9.22	$7.15	$21.54
73	Aerial Cbl Metallic	52C	$45.18	$30.34	$38.91	$28.81	$14.04	$42.66	$49.59	$85.38	$75.12	$35.14	$54.62	$15.39	$11.93	$35.93

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
3	2W Wire Center Cost Calculations																
4		Office Name		Florence	Ft Mcdowell	Rio Verde	Coldwater	Glendale	Green Valley	Higley	Queen Creek	Humboldt	Litchfield Park	Marana	Gilbert	Mesa	Munds Park
5		CLLI		FLRNAZMA	FTMDAZMA	FTMDAZNO	GDYRAZCW	GLDLAZMA	GNVYAZMA	HGLYAZMA	HOLYAZQC	HMBLAZMA	LTPKAZMA	MARNAZMA	MESAAZGI	MESAAZMA	MSPKAZMA
6		Zone		3	3	3	3	2	3	3	3	3	3	3	2	2	3
7		Lines		4536	14243	1545	9218	56052	17476	3238	3876	4158	11958	7718	59219	102061	2668
74		Aerial Wire	3C	$2.92	$0.09	$1.84	$0.30	$0.00	$1.05	$0.97	$11.01	$7.16	$1.01	$1.57	$0.01	$0.01	$0.03
75		UG Cbl Metallic	5C	$1.28	$2.90	$0.57	$2.36	$5.44	$0.54	$0.37	$0.09	$0.14	$1.74	$0.45	$4.73	$6.63	$1.01
76		Buried Cbl Metallic	45C	$826.86	$663.61	$748.79	$627.00	$338.82	$857.58	$1,002.15	$1,193.18	$1,188.24	$710.55	$1,077.75	$367.35	$292.48	$810.27
77		Intrabuilding Cbl., Exch., Metallic	62C	$2.78	$8.99	$1.36	$6.98	$16.76	$1.32	$0.68	$0.19	$0.31	$5.36	$1.04	$14.43	$20.25	$1.71
78		Buried Drop	35C	$134.04	$124.53	$141.45	$108.51	$65.40	$162.43	$173.98	$245.27	$214.71	$132.03	$172.48	$69.59	$56.93	$118.08
79		Aerial Drop	42C	$18.75	$17.52	$19.78	$15.23	$9.18	$22.80	$24.43	$33.91	$29.88	$18.53	$24.20	$9.77	$7.99	$16.60
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$1,060.60	$866.19	$977.11	$806.63	$458.05	$1,114.58	$1,282.45	$1,628.75	$1,564.83	$926.01	$1,368.08	$490.50	$403.36	$1,005.17
82	Investment Cost Calculation																
83		Depreciation		$8.46	$6.87	$7.79	$6.40	$3.59	$8.88	$10.22	$13.05	$12.52	$7.37	$10.89	$3.86	$3.14	$7.99
84		Cost of Money		$4.84	$3.95	$4.46	$3.68	$2.09	$5.08	$5.85	$7.41	$7.13	$4.22	$6.23	$2.24	$1.84	$4.59
85		Income Tax		$2.00	$1.63	$1.84	$1.52	$0.86	$2.10	$2.42	$3.06	$2.95	$1.75	$2.57	$0.93	$0.76	$1.90
86		Ad Valorem		$1.20	$0.98	$1.11	$0.92	$0.52	$1.27	$1.46	$1.85	$1.78	$1.05	$1.55	$0.56	$0.46	$1.14
87		Maintenance		$8.74	$7.16	$8.08	$6.66	$3.75	$9.23	$10.62	$13.33	$12.86	$7.65	$11.29	$4.02	$3.28	$8.32
88		Total Distribution Capital Costs		$25.23	$20.60	$23.28	$19.18	$10.81	$26.56	$30.56	$38.70	$37.24	$22.04	$32.54	$11.60	$9.49	$23.94
89	Development of Total Product Costs																
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
91		Direct Costs		$25.92	$21.28	$23.96	$19.87	$11.50	$27.25	$31.24	$39.38	$37.93	$22.72	$33.22	$12.29	$10.17	$24.62
92		TELRIC		$29.64	$25.00	$27.68	$23.59	$15.22	$30.97	$34.96	$43.10	$41.65	$26.44	$36.94	$16.01	$13.89	$28.34
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$30.33	$25.70	$28.37	$24.28	$15.91	$31.66	$35.66	$43.80	$42.34	$27.14	$37.64	$16.70	$14.58	$29.04

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1	Arizona																	
2	Compliance Phase IIa 1/31/03 8:33:20 AM																	
3	**2W Wire Center Cost Calculations**																	
4		**Office Name**		**Nogales Main**	**Nogales Midway**	**New River**	**Oracle**	**Foothills**	**Bethany West**	**Cactus**	**Phoenix East**	**Greenway**	**Laveen**	**Phoenix Main**	**Mid Rivers**	**Maryvale**	**Phoenix Northeast**	**Phoenix North**
5		CLLI		NGLSAZMA	NGLSAZMW	NWRVAZMA	ORCLAZMA	PHNXAZ81	PHNXAZBW	PHNXAZCA	PHNXAZEA	PHNXAZGR	PHNXAZLV	PHNXAZMA	PHNXAZMR	PHNXAZMY	PHNXAZNE	PHNXAZNO
6		Zone		3	3	3	3	3	3	2	2	2	3	1	2	2	2	2
7		Lines		6447	10480	3935	1803	7508	14468	92211	35822	94013	2878	78214	52396	39546	70517	104910
8	**Total Loop Cost Calculations**																	
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)		FRC															
10		Poles	1C	$20.59	$24.25	$34.39	$33.08	$15.38	$17.50	$9.24	$6.81	$9.43	$39.63	$4.68	$11.83	$10.51	$6.08	$7.32
11		Aerial Cbl Metallic	52C	$34.05	$40.00	$53.12	$53.99	$25.68	$29.14	$15.42	$11.36	$15.75	$64.48	$7.81	$19.75	$17.55	$10.14	$12.23
12		Aerial Wire	3C	$0.33	$0.48	$4.30	$1.23	$0.01	$0.08	$0.00	$0.00	$0.00	$1.69	$0.00	$0.00	$0.00	$0.01	$0.00
13		Conduit System	4C	$97.39	$75.03	$52.18	$21.50	$90.01	$91.04	$67.59	$93.02	$59.30	$86.11	$86.00	$65.07	$113.76	$123.35	$104.34
14		UG Cbl Metallic	5C	$63.72	$40.67	$16.44	$11.03	$62.59	$50.41	$46.07	$66.56	$39.33	$50.50	$64.55	$41.14	$76.79	$89.04	$69.62
15		Buried Cbl Metallic	45C	$717.78	$851.27	$901.70	$1,017.98	$571.78	$658.89	$366.66	$277.81	$376.82	$1,252.61	$194.85	$461.96	$413.46	$246.14	$282.37
16		Intrabuilding Cbl., Exch., Metallic	62C	$10.83	$2.53	$5.51	$1.29	$4.33	$1.89	$12.32	$21.20	$13.94	$0.10	$21.85	$8.51	$8.61	$19.31	$2.03
17		UG Cbl Nonmetallic	85C	$5.64	$10.92	$20.05	$3.93	$0.00	$11.80	$3.93	$4.11	$5.37	$7.69	$2.24	$5.91	$3.40	$1.98	$1.50
18		Pair Gain—Digital	257C	$97.97	$119.37	$328.13	$431.80	$0.00	$112.32	$114.08	$76.75	$134.95	$135.35	$25.27	$110.54	$46.17	$31.13	$40.24
19		Buried Cbl Nonmetallic	845C	$136.06	$106.07	$328.32	$697.42	$0.00	$10.10	$3.33	$1.47	$1.90	$84.61	$0.52	$0.00	$0.00	$0.00	$0.00
20		Buried Drop	35C	$120.45	$138.80	$164.60	$181.33	$96.92	$108.62	$70.25	$46.65	$68.71	$207.96	$36.26	$80.40	$76.71	$45.99	$92.90
21		Aerial Drop	42C	$16.93	$19.50	$22.93	$25.45	$13.61	$14.97	$9.86	$6.55	$9.64	$29.18	$5.09	$11.29	$10.76	$6.45	$13.04
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$0.45	$0.52	$1.25	$1.62	$0.10	$0.50	$0.50	$0.37	$0.58	$0.58	$0.19	$0.49	$0.27	$0.21	$0.25
24		Building	110C	$5.21	$6.09	$14.60	$18.83	$1.22	$5.80	$5.87	$4.35	$6.72	$6.74	$2.25	$5.73	$3.10	$2.49	$2.86
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26																		
27		**Total Loop Investment**		**$1,356.51**	**$1,464.60**	**$1,976.63**	**$2,529.59**	**$910.74**	**$1,140.18**	**$[illegible]**	**$846.10**	**$771.84**	**$1,998.33**	**$480.68**	**$851.72**	**$810.19**	**$811.42**	**$857.79**
28	Investment Cost Calculation																	
29		Depreciation		$9.84	$10.99	$14.88	$18.66	$6.61	$8.52	$5.58	$4.48	$5.80	$15.22	$3.17	$6.40	$5.67	$3.96	$4.54
30		Cost of Money		$6.08	$6.55	$8.65	$11.03	$4.15	$5.09	$3.32	$2.87	$3.38	$8.96	$2.17	$3.77	$3.65	$2.77	$2.96
31		Income Tax		$2.51	$2.71	$3.57	$4.56	$1.72	$2.10	$1.37	$1.19	$1.40	$3.70	$0.89	$1.56	$1.51	$1.14	$1.22
32		Ad Valorem		$1.54	$1.66	$2.24	$2.87	$1.03	$1.29	$0.86	$0.73	$0.88	$2.27	$0.55	$0.97	$0.92	$0.69	$0.75
33		Maintenance		$8.29	$9.50	$10.85	$12.55	$6.37	$7.36	$4.43	$3.51	$4.52	$13.81	$2.59	$5.33	$4.92	$3.24	$3.85
34		Total Capital Costs		$28.26	$31.40	$40.20	$49.67	$19.88	$24.36	$15.56	$12.78	$15.98	$43.96	$9.37	$18.01	$16.67	$11.81	$13.33
35	Development of Total Product Costs																	
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$29.17	$32.31	$41.11	$50.57	$20.79	$25.26	$16.47	$13.69	$16.87	$44.87	$10.28	$18.92	$17.58	$12.71	$14.23
38		TELRIC		$34.12	$37.26	$46.06	$55.53	$25.74	$30.22	$21.42	$18.64	$21.82	$49.82	$15.23	$23.87	$22.53	$17.67	$19.19
39		Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**			**$35.05**	**$38.18**	**$46.98**	**$56.45**	**$26.67**	**$31.14**	**$22.35**	**$19.57**	**$22.74**	**$50.75**	**$16.16**	**$24.80**	**$23.46**	**$18.59**	**$20.11**
41	**Feeder Cost Calculations**																	
42	Investments by Account		FRC															
43		Poles	1C	$0.86	$0.00	$0.41	$5.37	$0.97	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
44		Aerial Cbl Metallic	52C	$1.43	$0.00	$0.68	$8.97	$1.62	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
45		Conduit System	4C	$97.39	$75.03	$52.18	$21.50	$90.01	$91.04	$67.59	$93.02	$59.30	$86.11	$86.00	$65.07	$113.76	$123.35	$104.34
46		UG Cbl Metallic	5C	$60.22	$39.58	$14.61	$10.51	$61.06	$49.53	$41.78	$58.84	$34.66	$50.44	$56.02	$38.02	$73.65	$81.62	$69.22
47		Buried Cbl Metallic	45C	$15.39	$0.00	$10.61	$128.08	$18.34	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
48		UG Cbl Nonmetallic	85C	$5.64	$10.92	$20.05	$3.93	$0.00	$11.80	$3.93	$4.11	$5.37	$7.69	$2.24	$5.91	$3.40	$1.98	$1.50
49		Pair Gain—Digital	257C	$97.97	$119.37	$328.13	$431.80	$0.00	$112.32	$114.08	$76.75	$134.95	$135.35	$25.27	$110.54	$46.17	$31.13	$40.24
50		Buried Cbl Nonmetallic	845C	$136.06	$106.07	$328.32	$697.42	$0.00	$10.10	$3.33	$1.47	$1.90	$84.61	$0.52	$0.00	$0.00	$0.00	$0.00
51		Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$0.45	$0.52	$1.25	$1.62	$0.10	$0.50	$0.50	$0.37	$0.58	$0.58	$0.19	$0.49	$0.27	$0.21	$0.25
53		Building	110C	$5.21	$6.09	$14.60	$18.83	$1.22	$5.80	$5.87	$4.35	$6.72	$6.74	$2.25	$5.73	$3.10	$2.49	$2.86
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																		
56		**Total Feeder Investment**		**$449.72**	**$386.67**	**$799.06**	**$1,357.13**	**$202.42**	**$[illegible]**	**$[illegible]**	**$[illegible]**	**$[illegible]**	**$[illegible]**	**$201.[illegible]**	**$[illegible]**	**$[illegible]**	**$269.88**	**$247.50**
57	Investment Cost Calculation																	
58		Depreciation		$2.65	$2.41	$5.49	$9.31	$0.99	$1.91	$1.74	$1.55	$1.87	$2.50	$1.03	$1.68	$1.39	$1.31	$1.28
59		Cost of Money		$1.94	$1.63	$3.28	$5.68	$0.92	$1.30	$1.09	$1.14	$1.10	$1.68	$0.89	$1.04	$1.19	$1.20	$1.09
60		Income Tax		$0.80	$0.67	$1.36	$2.35	$0.38	$0.54	$0.45	$0.47	$0.45	$0.69	$0.37	$0.43	$0.49	$0.50	$0.45
61		Ad Valorem		$0.51	$0.44	$0.91	$1.54	$0.23	$0.35	$0.30	$0.30	$0.31	$0.45	$0.23	$0.29	$0.31	$0.31	$0.28
62		Maintenance		$0.81	$0.58	$1.18	$2.84	$0.51	$0.48	$0.42	$0.45	$0.42	$0.61	$0.36	$0.40	$0.47	$0.48	$0.43
63		Total Feeder Capital Costs		$6.72	$5.73	$12.22	$21.72	$3.02	$4.59	$4.01	$3.91	$4.15	$5.94	$2.87	$3.84	$3.94	$3.80	$3.53
64	Development of Total Product Costs																	
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$6.96	$5.97	$12.46	$21.96	$3.26	$4.82	$4.25	$4.15	$4.39	$6.18	$3.11	$4.08	$4.08	$4.04	$3.77
67		TELRIC		$8.20	$7.20	$13.70	$23.20	$4.50	$6.06	$5.48	$5.39	$5.63	$7.42	$4.35	$5.32	$5.31	$5.28	$5.01
68		Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**			**$8.43**	**$7.44**	**$13.93**	**$23.43**	**$4.73**	**$6.29**	**$5.72**	**$5.62**	**$5.86**	**$7.65**	**$4.58**	**$5.55**	**$5.55**	**$5.51**	**$5.24**
70	**Distribution Cost Calculations**																	
71	Investments by Account		FRC															
72		Poles	1C	$19.73	$24.25	$33.98	$27.71	$14.42	$17.50	$9.24	$6.81	$9.43	$39.63	$4.68	$11.83	$10.51	$A08	$7.32
73		Aerial Cbl Metallic	52C	$32.62	$40.00	$52.44	$45.03	$24.06	$29.14	$15.42	$11.36	$15.75	$64.48	$7.81	$19.75	$17.55	$10.14	$12.23

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
3	2W Wire Center Cost Calculations																	
4		Office Name		Nogales Main	Nogales Midway	New River	Oracle	Foothills	Bethany West	Cactus	Phoenix East	Greenway	Laveen	Phoenix Main	Mid Rivers	Maryvale	Phoenix Northeast	Phoenix North
5		CLLI		NGLSAZMA	NGLSAZMW	NWRVAZMA	ORCLAZMA	PHNXAZ81	PHNXAZBW	PHNXAZCA	PHNXAZEA	PHNXAZGR	PHNXAZLV	PHNXAZMA	PHNXAZMR	PHNXAZMY	PHNXAZNE	PHNXAZNO
6		Zone		3	3	3	3	3	3	2	2	2	3	1	2	2	2	2
7		Lines		6447	10480	3935	1803	7508	14468	92211	35822	94013	2678	78214	52396	39546	70517	104910
74		Aerial Wire	3C	$0.33	$0.48	$4.30	$1.23	$0.01	$0.08	$0.00	$0.00	$0.00	$1.69	$0.00	$0.00	$0.00	$0.01	$0.00
75		UG Cbl Metallic	5C	$3.51	$1.08	$1.84	$0.52	$1.53	$0.88	$4.29	$7.72	$4.67	$0.06	$8.53	$3.12	$3.14	$7.42	$0.40
76		Buried Cbl Metallic	45C	$702.39	$851.27	$891.08	$889.90	$553.44	$658.89	$366.66	$277.81	$376.82	$1,252.61	$194.85	$461.96	$413.46	$246.14	$282.37
77		Intrabuilding Cbl., Exch., Metallic	62C	$10.83	$2.53	$5.51	$1.29	$4.33	$1.89	$12.32	$21.20	$13.94	$0.10	$21.85	$8.51	$8.61	$19.31	$2.03
78		Buried Drop	35C	$120.45	$138.80	$164.60	$181.33	$96.92	$106.62	$70.25	$46.65	$68.71	$207.96	$36.26	$80.40	$76.71	$45.99	$92.90
79		Aerial Drop	42C	$16.93	$19.50	$22.93	$25.45	$13.61	$14.97	$9.86	$6.55	$9.64	$29.18	$5.09	$11.29	$10.76	$6.45	$13.04
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$906.78	$1,077.93	$1,176.87	$1,172.46	$705.32	$826.97	$488.04	$376.09	$498.96	$1,696.72	$279.07	$565.67	$540.75	$341.84	$410.29
82	Investment Cost Calculation																	
83		Depreciation		$7.19	$8.58	$9.39	$9.35	$5.62	$6.60	$3.84	$2.94	$3.92	$12.72	$2.15	$4.72	$4.28	$2.65	$3.27
84		Cost of Money		$4.14	$4.92	$5.37	$5.35	$3.23	$3.79	$2.23	$1.73	$2.28	$7.28	$1.28	$2.73	$2.47	$1.56	$1.87
85		Income Tax		$1.71	$2.03	$2.22	$2.21	$1.34	$1.57	$0.92	$0.71	$0.94	$3.01	$0.53	$1.13	$1.02	$0.65	$0.77
86		Ad Valorem		$1.03	$1.22	$1.34	$1.33	$0.80	$0.94	$0.55	$0.43	$0.57	$1.81	$0.32	$0.68	$0.61	$0.39	$0.47
87		Maintenance		$7.48	$8.92	$9.68	$9.71	$5.86	$6.87	$4.01	$3.06	$4.09	$13.20	$2.23	$4.92	$4.46	$2.76	$3.42
88		Total Distribution Capital Costs		$21.54	$25.67	$27.99	$27.95	$16.86	$19.77	$11.56	$8.87	$11.81	$38.02	$6.50	$14.17	$12.64	$8.01	$9.80
89	Development of Total Product Costs																	
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
91		Direct Costs		$22.23	$26.36	$28.67	$28.63	$17.54	$20.45	$12.24	$9.55	$12.49	$38.70	$7.19	$14.86	$13.52	$8.69	$10.48
92		TELRIC		$25.95	$30.08	$32.39	$32.35	$21.26	$24.17	$15.96	$13.27	$16.21	$42.42	$10.91	$18.58	$17.24	$12.41	$14.20
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$26.64	$30.77	$33.08	$33.05	$21.96	$24.87	$16.66	$13.97	$16.90	$43.12	$11.60	$19.27	$17.94	$13.11	$14.90

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1	Arizona															
2	Compliance Phase IIa 1/31/03 8:33:20 AM															
3	2W Wire Center Cost Calculations															
4		Office Name		Phoenix Northwest	Pecos	Peoria	Phoenix Southeast	Phoenix South	Sunnyslope	Phoenix West	Pine	Prescott East	Prescott Main	Pinnacle Peak	Payson	Scottsdale Main
5		CLLI		PHNXAZNW	PHNXAZPP	PHNXAZPR	PHNXAZSE	PHNXAZSO	PHNXAZSY	PHNXAZWE	PINEAZMA	PRSCAZEA	PRSCAZMA	PRVYAZPP	PYSNAZMA	SCDLAZMA
6		Zone		2	2	2	2	3	2	2	3	3	3	3	3	2
7		Lines		58427	15845	40652	23413	28526	59451	43156	2831	14894	37208	32421	12004	75933
8	Total Loop Cost Calculations															
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)		FRC													
10		Poles	1C	$9.61	$9.47	$13.12	$5.43	$14.93	$5.85	$9.32	$26.49	$17.76	$16.80	$21.02	$25.35	$6.57
11		Aerial Cbl Metallic	52C	$16.04	$15.81	$21.90	$9.06	$24.84	$9.76	$15.56	$44.16	$29.60	$27.61	$35.00	$40.73	$10.91
12		Aerial Wire	3C	$0.00	$0.00	$0.00	$0.02	$0.09	$0.00	$0.00	$0.06	$0.06	$0.45	$0.10	$1.60	$0.06
13		Conduit System	4C	$189.50	$4.14	$85.21	$111.21	$65.03	$107.71	$81.50	$47.31	$98.28	$66.39	$52.99	$90.34	$89.56
14		UG Cbl Metallic	5C	$125.22	$3.81	$54.17	$81.37	$41.85	$77.33	$56.14	$18.57	$57.95	$41.35	$30.07	$49.95	$65.17
15		Buried Cbl Metallic	45C	$371.79	$371.14	$508.22	$226.55	$566.24	$247.20	$376.08	$940.60	$664.68	$595.61	$759.63	$800.78	$265.37
16		Intrabuilding Cbl., Exch., Metallic	62C	$2.07	$9.75	$4.78	$25.57	$8.70	$25.64	$20.02	$1.07	$5.08	$16.36	$3.99	$3.78	$22.41
17		UG Cbl Nonmetallic	85C	$3.75	$2.71	$5.16	$3.11	$5.10	$4.44	$5.24	$13.58	$10.18	$8.66	$7.20	$12.26	$3.38
18		Pair Gain—Digital	257C	$32.50	$192.30	$87.99	$23.24	$121.55	$60.50	$102.89	$266.14	$83.23	$128.16	$132.73	$130.21	$72.43
19		Buried Cbl Nonmetallic	845C	$0.00	$18.39	$0.00	$0.00	$30.20	$0.00	$0.00	$397.81	$9.48	$162.20	$64.86	$268.09	$3.05
20		Buried Drop	35C	$92.92	$71.78	$91.27	$38.50	$93.39	$40.23	$65.42	$166.79	$108.96	$96.99	$134.56	$144.61	$46.91
21		Aerial Drop	42C	$13.04	$10.07	$12.81	$5.41	$13.11	$5.65	$9.19	$23.49	$15.31	$13.62	$18.93	$20.24	$6.58
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$0.22	$0.78	$0.41	$0.19	$0.53	$0.32	$0.46	$1.04	$0.40	$0.55	$0.57	$0.56	$0.36
24		Building	110C	$2.54	$9.06	$4.81	$2.16	$6.18	$3.68	$5.41	$12.07	$4.61	$6.45	$6.63	$6.53	$4.17
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26																
27		Total Loop Investment		$888.32	$748.32	$918.96	$560.92	$1,020.83	$617.39	$778.33	$1,988.27	$1,124.67	$1,210.29	$1297.38	$1,624.13	$826.09
28	Investment Cost Calculation															
29		Depreciation		$5.77	$6.02	$6.78	$3.62	$7.68	$4.13	$5.63	$14.77	$8.39	$8.84	$9.91	$11.77	$4.34
30		Cost of Money		$4.04	$3.20	$4.10	$2.54	$4.52	$2.76	$3.44	$8.76	$5.09	$5.37	$5.77	$7.25	$2.78
31		Income Tax		$1.67	$1.32	$1.69	$1.05	$1.87	$1.14	$1.42	$3.62	$2.10	$2.22	$2.38	$3.00	$1.15
32		Ad Valorem		$1.01	$0.85	$1.04	$0.64	$1.16	$0.70	$0.88	$2.26	$1.29	$1.37	$1.47	$1.84	$0.71
33		Maintenance		$4.87	$4.41	$5.84	$2.99	$6.44	$3.22	$4.54	$11.06	$7.44	$6.99	$8.55	$9.43	$3.40
34		Total Capital Costs		$17.37	$15.80	$19.47	$10.84	$21.67	$11.95	$15.91	$40.47	$24.31	$24.80	$28.09	$33.30	$12.38
35	Development of Total Product Costs															
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$18.27	$16.71	$20.37	$11.74	$22.57	$12.86	$16.82	$41.37	$25.22	$25.71	$29.00	$34.20	$13.28
38		TELRIC		$23.23	$21.66	$25.33	$16.70	$27.53	$17.81	$21.77	$46.33	$30.17	$30.66	$33.95	$39.16	$18.24
39		Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	Total Loop TELRIC + Common			$24.15	$22.59	$26.25	$17.62	$28.45	$18.74	$22.70	$47.25	$31.10	$31.58	$34.87	$40.08	$19.16
41	Feeder Cost Calculations															
42	Investments by Account		FRC													
43		Poles	1C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00
44		Aerial Cbl Metallic	52C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.66	$0.00	$0.00	$0.00	$0.00	$0.00
45		Conduit System	4C	$189.50	$4.14	$85.21	$111.21	$65.03	$107.71	$81.50	$47.31	$98.28	$66.39	$52.99	$90.34	$89.56
46		UG Cbl Metallic	5C	$124.66	$0.00	$52.45	$72.21	$38.83	$68.47	$49.86	$18.01	$56.12	$36.05	$28.48	$48.57	$57.25
47		Buried Cbl Metallic	45C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10.28	$0.00	$0.00	$0.00	$0.00	$0.00
48		UG Cbl Nonmetallic	85C	$3.75	$2.71	$5.16	$3.11	$5.10	$4.44	$5.24	$13.58	$10.18	$8.66	$7.20	$12.26	$3.38
49		Pair Gain—Digital	257C	$32.50	$192.30	$87.99	$23.24	$121.55	$60.50	$102.89	$266.14	$83.23	$128.16	$132.73	$130.21	$72.43
50		Buried Cbl Nonmetallic	845C	$0.00	$18.39	$0.00	$0.00	$30.20	$0.00	$0.00	$397.81	$9.48	$162.20	$64.86	$268.09	$3.05
51		Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$0.22	$0.78	$0.41	$0.19	$0.53	$0.32	$0.46	$1.04	$0.40	$0.55	$0.57	$0.56	$0.36
53		Building	110C	$2.54	$9.06	$4.81	$2.16	$6.18	$3.68	$5.41	$12.07	$4.61	$6.45	$6.63	$6.53	$4.17
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																
56		Total Feeder Investment		$382.28	$256.48	$265.13	$241.22	$296.60	$274.26	$274.47	$784.29	$291.38	$437.55	$322.58	$585.66	$259.30
57	Investment Cost Calculation															
58		Depreciation		$1.74	$2.14	$1.60	$1.17	$1.94	$1.48	$1.71	$5.27	$1.69	$2.74	$2.16	$3.50	$1.50
59		Cost of Money		$1.73	$0.95	$1.12	$1.08	$1.22	$1.19	$1.14	$3.32	$1.24	$1.85	$1.32	$2.52	$1.11
60		Income Tax		$0.72	$0.39	$0.46	$0.45	$0.50	$0.49	$0.47	$1.37	$0.51	$0.76	$0.55	$1.04	$0.46
61		Ad Valorem		$0.43	$0.29	$0.30	$0.27	$0.34	$0.31	$0.31	$0.90	$0.33	$0.50	$0.37	$0.66	$0.29
62		Maintenance		$0.67	$0.37	$0.43	$0.43	$0.46	$0.46	$0.44	$1.18	$0.47	$0.65	$0.48	$0.86	$0.43
63		Total Feeder Capital Costs		$5.30	$4.14	$3.91	$3.39	$4.46	$3.94	$4.06	$12.06	$4.25	$6.49	$4.88	$8.58	$3.79
64	Development of Total Product Costs															
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$5.53	$4.38	$4.15	$3.63	$4.70	$4.18	$4.32	$12.29	$4.49	$6.73	$5.12	$8.82	$4.03
67		TELRIC		$6.77	$5.62	$5.39	$4.87	$5.94	$5.42	$5.56	$13.53	$5.72	$7.97	$6.35	$10.05	$5.26
68		Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	Feeder TELRIC + Common			$7.00	$5.85	$5.62	$5.10	$6.17	$5.65	$5.79	$13.76	$5.96	$8.20	$6.58	$10.29	$5.50
70	Distribution Cost Calculations															
71	Investments by Account		FRC													
72		Poles	1C	$9.61	$9.47	$13.12	$5.43	$14.93	$5.85	$9.32	$26.09	$17.76	$16.80	$21.02	$25.35	$6.57
73		Aerial Cbl Metallic	52C	$16.04	$15.81	$21.90	$9.06	$24.84	$9.76	$15.56	$43.50	$29.60	$27.61	$35.00	$40.73	$10.91

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
3	2W Wire Center Cost Calculations															
4		Office Name		Phoenix Northwest	Pecos	Peoria	Phoenix Southeast	Phoenix South	Sunnyslope	Phoenix West	Pine	Prescott East	Prescott Main	Pinnacle Peak	Payson	Scottsdale Main
5		CLLI		PHNXAZNW	PHNXAZPP	PHNXAZPR	PHNXAZSE	PHNXAZSO	PHNXAZSY	PHNXAZWE	PINEAZMA	PRSCAZEA	PRSCAZMA	PRVYAZPP	PYSNAZMA	SCDLAZMA
6		Zone		2	2	2	2	3	2	2	3	3	3	3	3	2
7		Lines		58427	15845	40652	23413	28526	59451	43156	2831	14894	37208	32421	12004	75933
74		Aerial Wire	3C	$0.00	$0.00	$0.00	$0.02	$0.09	$0.00	$0.00	$0.06	$0.06	$0.45	$0.10	$1.60	$0.06
75		UG Cbl Metallic	5C	$0.56	$3.81	$1.72	$9.16	$3.02	$8.86	$6.29	$0.56	$1.84	$5.29	$1.59	$1.38	$7.91
76		Buried Cbl Metallic	45C	$371.79	$371.14	$508.22	$226.55	$566.24	$247.20	$376.08	$930.33	$664.68	$595.61	$759.63	$800.78	$265.37
77		Intrabuilding Cbl., Exch., Metallic	62C	$2.07	$9.75	$4.78	$25.57	$8.70	$25.64	$20.02	$1.07	$5.08	$16.36	$3.99	$3.78	$22.41
78		Buried Drop	35C	$92.92	$71.78	$91.27	$38.50	$93.39	$40.23	$65.42	$166.79	$108.96	$96.99	$134.56	$144.61	$46.91
79		Aerial Drop	42C	$13.04	$10.07	$12.81	$5.41	$13.11	$5.65	$9.19	$23.49	$15.31	$13.62	$18.93	$20.24	$6.58
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$506.04	$491.64	[illegible]	$319.70	$724.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	$974.82	$1,036.46	$366.73
82	Investment Cost Calculation															
83		Depreciation		$4.03	$3.88	$5.19	$2.46	$5.74	$2.64	$3.93	$9.49	$6.70	$6.10	$7.75	$8.27	$2.84
84		Cost of Money		$2.31	$2.25	$2.98	$1.46	$3.31	$1.57	$2.29	$5.44	$3.85	$3.53	$4.45	$4.74	$1.68
85		Income Tax		$0.95	$0.93	$1.23	$0.60	$1.37	$0.65	$0.95	$2.25	$1.59	$1.46	$1.84	$1.96	$0.69
86		Ad Valorem		$0.57	$0.56	$0.74	$0.36	$0.82	$0.39	$0.57	$1.35	$0.96	$0.88	$1.11	$1.18	$0.42
87		Maintenance		$4.20	$4.05	$5.41	$2.56	$5.98	$2.76	$4.10	$9.88	$6.97	$6.34	$8.07	$8.58	$2.96
88		Total Distribution Capital Costs		$12.07	$11.66	$15.56	$7.45	$17.21	$8.01	$11.83	$28.41	$20.07	$18.31	$23.21	$24.72	$8.59
89	Development of Total Product Costs															
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
91		Direct Costs		$12.75	$12.35	$16.24	$8.13	$17.89	$8.69	$12.52	$29.09	$20.75	$18.99	$23.90	$25.41	$9.28
92		TELRIC		$16.47	$16.07	$19.96	$11.85	$21.61	$12.41	$16.24	$32.81	$24.47	$22.71	$27.62	$29.13	$13.00
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$17.17	$16.76	$20.66	$12.54	$22.31	$13.11	$16.93	$33.51	$25.17	$23.41	$28.31	$29.82	$13.69

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA
1	Arizona																
2	Compliance Phase IIa 1/31/03 8:33:20 AM																
3	2W Wire Center Cost Calculations																
4		Office Name		Shea	Thunderbird	Sedona Main	Sedona South	San Manuel	Super East	Super Main	Super West	Sierra Vista Main	Sierra Vista North	Sierra Vista South	Catalina	Cortaro	Craycroft
5		CLLI		SCDLAZSH	SCDLAZTH	SEDNAZMA	SEDNAZSO	SNMNAZMA	SPRSAZEA	SPRSAZMA	SPRSAZWE	SRVSAZMA	SRVSAZNO	SRVSAZSO	TCSNAZCA	TCSNAZCO	TCSNAZCR
6		Zone		2	2	3	3	3	3	3	2	3	3	3	3	3	3
7		Lines		40198	78755	12142	4395	2121	24814	31154	82542	21089	2176	6924	27615	16540	40094
8	Total Loop Cost Calculations																
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)		FRC														
10		Poles	1C	$11.08	$8.26	$17.84	$18.74	$22.93	$14.13	$14.50	$10.48	$16.14	$34.58	$26.43	$14.62	$19.60	$18.21
11		Aerial Cbl Metallic	52C	$18.50	$13.80	$29.59	$31.21	$37.99	$23.57	$24.16	$17.49	$26.88	$56.17	$43.96	$24.41	$32.39	$30.39
12		Aerial Wire	3C	$0.00	$0.00	$0.20	$0.08	$0.29	$0.02	$0.05	$0.00	$0.07	$1.55	$0.16	$0.00	$0.33	$0.02
13		Conduit System	4C	$58.10	$45.72	$64.25	$119.58	$20.20	$70.52	$71.71	$81.43	$71.04	$16.74	$62.77	$58.73	$101.80	$120.44
14		UG Cbl Metallic	5C	$36.46	$32.76	$35.39	$72.85	$12.07	$41.54	$43.15	$54.30	$46.72	$9.12	$33.51	$38.61	$63.62	$79.16
15		Buried Cbl Metallic	45C	$427.65	$334.30	$650.75	$704.37	$797.18	$534.74	$551.39	$411.87	$607.03	$1,145.00	$918.09	$562.00	$696.48	$674.99
16		Intrabuilding Cbl., Exch., Metallic	62C	$9.60	$20.08	$11.12	$5.40	$1.87	$5.17	$5.11	$10.99	$13.86	$0.56	$3.21	$11.28	$3.79	$5.67
17		UG Cbl Nonmetallic	85C	$6.76	$5.02	$11.37	$9.91	$2.45	$7.85	$7.00	$4.31	$5.81	$2.45	$9.76	$5.09	$6.53	$4.44
18		Pair Gain—Digital	257C	$116.53	$139.48	$200.22	$106.47	$218.53	$133.60	$100.51	$97.50	$144.53	$274.63	$213.72	$110.23	$89.63	$50.08
19		Buried Cbl Nonmetallic	845C	$10.58	$1.27	$240.84	$217.61	$178.82	$52.69	$5.99	$2.00	$87.36	$413.93	$236.75	$12.12	$48.78	$4.00
20		Buried Drop	35C	$75.02	$55.64	$108.32	$103.33	$108.82	$98.96	$97.26	$79.11	$94.20	$182.44	$165.17	$90.04	$125.70	$117.43
21		Aerial Drop	42C	$10.54	$7.81	$15.22	$14.51	$15.28	$13.90	$13.65	$11.10	$13.24	$25.60	$23.26	$12.65	$17.66	$16.51
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$0.51	$0.59	$0.81	$0.48	$0.87	$0.57	$0.46	$0.45	$0.61	$1.07	$0.85	$0.49	$0.42	$0.28
24		Building	110C	$5.97	$6.91	$9.39	$5.56	$10.13	$6.67	$5.32	$5.19	$7.11	$12.42	$9.94	$5.71	$4.87	$3.26
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26																	
27		Total Loop Investment		$816.41	$700.74	$1,424.41	$1,439.21	$1,456.53	$1,033.05	$969.35	$815.33	$1,163.69	$2,205.37	$1,776.68	$975.08	$1,240.69	$1,153.97
28	Investment Cost Calculation																
29		Depreciation		$6.14	$5.31	$10.45	$10.17	$11.20	$7.71	$7.28	$5.97	$8.63	$16.67	$13.31	$7.38	$9.12	$8.36
30		Cost of Money		$3.60	$3.05	$6.27	$6.45	$6.39	$4.57	$4.31	$3.62	$5.15	$9.73	$7.86	$4.33	$5.57	$5.22
31		Income Tax		$1.49	$1.26	$2.59	$2.66	$2.64	$1.89	$1.78	$1.50	$2.13	$4.02	$3.25	$1.79	$2.30	$2.16
32		Ad Valorem		$0.93	$0.80	$1.62	$1.63	$1.65	$1.17	$1.10	$0.93	$1.32	$2.50	$2.02	$1.11	$1.41	$1.31
33		Maintenance		$4.98	$4.03	$7.74	$8.12	$9.82	$6.25	$6.27	$4.92	$6.97	$13.02	$10.64	$6.32	$7.98	$7.65
34		Total Capital Costs		$17.14	$14.44	$28.66	$29.03	$30.70	$21.56	$20.75	$16.93	$24.21	$45.95	$37.08	$20.93	$26.57	$24.70
35	Development of Total Product Costs																
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$18.04	$15.34	$29.57	$29.94	$31.61	$22.49	$21.65	$17.84	$25.11	$46.86	$37.98	$21.84	$27.28	$25.61
38		TELRIC		$23.00	$20.30	$34.52	$34.89	$36.56	$27.44	$26.61	$22.79	$30.07	$51.81	$42.94	$26.79	$32.23	$30.56
39		Common		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	Total Loop TELRIC + Common			$23.92	$21.22	$35.45	$35.81	$37.48	$28.37	$27.53	$23.72	$30.99	$52.73	$43.86	$27.72	$33.16	$31.48
41	Feeder Cost Calculations																
42	Investments by Account		FRC														
43		Poles	1C	$0.00	$0.00	$0.00	$0.00	$3.13	$0.00	$0.00	$0.00	$0.00	$0.76	$0.48	$0.00	$0.00	$0.00
44		Aerial Cbl Metallic	52C	$0.00	$0.00	$0.00	$0.00	$5.23	$0.00	$0.00	$0.00	$0.00	$1.27	$0.80	$0.00	$0.00	$0.00
45		Conduit System	4C	$58.10	$45.72	$64.25	$119.58	$20.20	$70.52	$71.71	$81.43	$71.04	$16.74	$62.77	$58.73	$101.80	$120.44
46		UG Cbl Metallic	5C	$32.40	$25.81	$31.79	$70.85	$11.16	$39.70	$41.39	$50.77	$42.17	$8.81	$32.46	$34.57	$62.29	$77.10
47		Buried Cbl Metallic	45C	$0.00	$0.00	$0.00	$0.00	$72.81	$0.00	$0.00	$0.00	$0.00	$67.57	$11.19	$0.00	$0.00	$0.00
48		UG Cbl Nonmetallic	85C	$6.76	$5.02	$11.37	$9.91	$2.45	$7.85	$7.00	$4.31	$5.81	$2.45	$9.76	$5.09	$6.53	$4.44
49		Pair Gain—Digital	257C	$116.53	$139.48	$200.22	$106.47	$218.53	$133.60	$100.51	$97.50	$144.53	$274.63	$213.72	$110.23	$89.63	$50.08
50		Buried Cbl Nonmetallic	845C	$10.58	$1.27	$240.84	$217.61	$178.82	$52.69	$5.99	$2.00	$87.36	$413.93	$236.75	$12.12	$48.78	$4.00
51		Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$0.51	$0.59	$0.81	$0.48	$0.87	$0.57	$0.46	$0.45	$0.61	$1.07	$0.85	$0.49	$0.42	$0.28
53		Building	110C	$5.97	$6.91	$9.39	$5.56	$10.13	$6.67	$5.32	$5.19	$7.11	$12.42	$9.94	$5.71	$4.87	$3.26
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																	
56		Total Feeder Investment		$259.96	$253.90	$587.77	$559.56	$552.43	$340.71	$251.48	$270.75	$387.73	$828.77	$607.81	$256.05	$343.41	$288.69
57	Investment Cost Calculation																
58		Depreciation		$1.75	$1.82	$3.82	$3.18	$4.01	$2.21	$1.66	$1.67	$2.50	$5.70	$4.01	$1.70	$1.98	$1.49
59		Cost of Money		$1.06	$1.00	$2.45	$2.43	$2.26	$1.41	$1.08	$1.13	$1.61	$3.45	$2.53	$1.04	$1.47	$1.27
60		Income Tax		$0.44	$0.41	$1.01	$1.01	$0.94	$0.58	$0.45	$0.47	$0.66	$1.43	$1.05	$0.43	$0.61	$0.53
61		Ad Valorem		$0.30	$0.29	$0.67	$0.64	$0.63	$0.39	$0.30	$0.31	$0.44	$0.94	$0.69	$0.29	$0.39	$0.33
62		Maintenance		$0.40	$0.39	$0.84	$0.85	$1.34	$0.52	$0.42	$0.44	$0.59	$1.63	$0.95	$0.40	$0.55	$0.49
63		Total Feeder Capital Costs		$3.94	$3.92	$8.79	$8.11	$9.17	$5.11	$3.90	$4.02	$5.61	$13.15	$9.23	$3.87	$5.00	$4.11
64	Development of Total Product Costs																
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$4.18	$4.16	$9.03	$8.34	$9.41	$5.35	$4.14	$4.25	$6.04	$13.39	$9.47	$4.11	$5.24	$4.35
67		TELRIC		$5.41	$5.40	$10.27	$9.58	$10.65	$6.58	$5.38	$5.49	$7.28	$14.63	$10.71	$5.35	$6.48	$5.59
68		Common		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	Feeder TELRIC + Common			$5.65	$5.63	$10.50	$9.81	$10.88	$6.82	$5.61	$5.72	$7.51	$14.86	$10.94	$5.58	$6.71	$5.82
70	Distribution Cost Calculations																
71	Investments by Account		FRC														
72		Poles	1C	$11.08	$8.26	$17.84	$18.74	$19.80	$14.13	$14.50	$10.48	$16.14	$33.81	$25.95	$14.62	$19.60	$18.21
73		Aerial Cbl Metallic	52C	$18.50	$13.80	$29.59	$31.21	$32.76	$23.57	$24.16	$17.49	$26.88	$54.90	$43.16	$24.41	$32.39	$30.39

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA
3	2W Wire Center Cost Calculations																
4		Office Name		Shea	Thunderbird	Sedona Main	Sedona South	San Manuel	Super East	Super Main	Super West	Sierra Vista Main	Sierra Vista North	Sierra Vista South	Catalina	Cortaro	Craycroft
5		CLLI		SCDLAZSH	SCDLAZTH	SEDNAZMA	SEDNAZSO	SNMNAZMA	SPRSAZEA	SPRSAZMA	SPRSAZWE	SRVSAZMA	SRVSAZNO	SRVSAZSO	TCSNAZCA	TCSNAZCO	TCSNAZCR
6		Zone		2	2	3	3	3	3	3	2	3	3	3	3	3	3
7		Lines		40198	78755	12142	4395	2121	24814	31154	82542	21089	2176	6924	27615	16540	40094
74		Aerial Wire	3C	$0.00	$0.00	$0.20	$0.08	$0.29	$0.02	$0.05	$0.00	$0.07	$1.55	$0.16	$0.00	$0.33	$0.02
75		UG Cbl Metallic	5C	$4.06	$6.94	$3.60	$2.00	$0.91	$1.84	$1.76	$3.54	$4.55	$0.31	$1.05	$4.04	$1.33	$2.06
76		Buried Cbl Metallic	45C	$427.65	$334.30	$650.75	$704.37	$724.38	$534.74	$551.39	$411.87	$607.03	$1,077.43	$906.90	$562.00	$698.48	$674.99
77		Intrabuilding Cbl., Exch., Metallic	62C	$9.60	$20.08	$11.12	$5.40	$1.87	$5.17	$5.11	$10.99	$13.86	$0.56	$3.21	$11.28	$3.79	$5.67
78		Buried Drop	35C	$75.02	$55.64	$108.32	$103.33	$108.82	$98.96	$97.26	$79.11	$94.20	$182.44	$165.17	$90.04	$125.70	$117.43
79		Aerial Drop	42C	$10.54	$7.81	$15.22	$14.51	$15.28	$13.90	$13.65	$11.10	$13.24	$25.60	$23.26	$12.65	$17.66	$16.51
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$556.45	$446.84	$838.64	$879.65	$904.10	$692.34	$707.88	$544.92	[illegible]	$1,374.50	[illegible]	$719.04	$897.28	$865.28
82	Investment Cost Calculation																
83		Depreciation		$4.40	$3.49	$6.63	$6.98	$7.19	$5.50	$5.62	$4.30	$6.13	$10.97	$9.30	$5.68	$7.14	$6.87
84		Cost of Money		$2.54	$2.04	$3.82	$4.01	$4.13	$3.16	$3.23	$2.49	$3.54	$6.28	$5.33	$3.28	$4.09	$3.95
85		Income Tax		$1.05	$0.84	$1.58	$1.66	$1.71	$1.31	$1.34	$1.03	$1.46	$2.59	$2.20	$1.36	$1.69	$1.63
86		Ad Valorem		$0.63	$0.51	$0.95	$1.00	$1.03	$0.79	$0.80	$0.62	$0.88	$1.56	$1.33	$0.82	$1.02	$0.98
87		Maintenance		$4.58	$3.64	$6.90	$7.27	$7.48	$5.73	$5.85	$4.48	$6.38	$11.39	$9.68	$5.92	$7.43	$7.16
88		Total Distribution Capital Costs		$13.20	$10.52	$19.87	$20.92	$21.53	$16.49	$16.84	$12.92	$18.40	$32.80	$27.85	$17.08	$21.37	$20.59
89	Development of Total Product Costs																
90		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.02	$0.02	$0.02	$0.02
91		Direct Costs		$13.88	$11.20	$20.55	$21.61	$22.21	$17.16	$17.53	$13.60	$19.09	$33.48	$28.53	$17.75	$22.05	$21.28
92		TELRIC		$17.60	$14.92	$24.27	$25.33	$25.93	$20.88	$21.25	$17.32	$22.81	$37.20	$32.25	$21.47	$25.77	$25.00
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$18.30	$15.62	$24.97	$26.02	$26.63	$21.57	$21.94	$18.02	$23.50	$37.90	$32.95	$22.16	$26.47	$25.69

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A / B	C	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO
1	Arizona															
2	Compliance Phase IIa 1/31/03 8:33:20 AM															
3	**2W Wire Center Cost Calculations**															
4	**Office Name**		**Tucson East**	**Flowing Wells**	**Tucson Main**	**Tucson North**	**Rincon**	**Tucson Southeast**	**Tucson South**	**Tucson Southwest**	**Tanque Verde**	**Tucson West**	**Tempe**	**Mcclintock**	**Tolleson**	**Tubac**
5	CLLI		TCSNAZEA	TCSNAZFW	TCSNAZMA	TCSNAZNO	TCSNAZRN	TCSNAZSE	TCSNAZSO	TCSNAZSW	TCSNAZTV	TCSNAZWE	TEMPAZMA	TEMPAZMC	TLSNAZMA	TUBCAZMA
6	Zone		2	2	2	3	2	3	3	3	3	3	1	2	3	3
7	Lines		64644	35814	74011	44558	69758	7465	37199	17974	11257	5211	67566	83832	9773	2364
8	**Total Loop Cost Calculations**															
9	Investments by Account (From Loop Module Output or Loop Length Zone Data)	FRC														
10	Poles	1C	$10.42	$10.76	$9.22	$15.61	$12.48	$23.10	$20.25	$27.71	$22.54	$32.84	$3.98	$7.04	$23.17	$41.23
11	Aerial Cbl Metallic	52C	$17.40	$17.96	$15.37	$25.94	$20.82	$38.08	$33.51	$44.95	$37.43	$54.31	$6.65	$11.74	$38.16	$64.62
12	Aerial Wire	3C	$0.00	$0.01	$0.03	$0.13	$0.02	$0.50	$0.29	$1.31	$0.21	$0.52	$0.00	$0.00	$0.53	$4.22
13	Conduit System	4C	$97.71	$110.27	$74.53	$43.36	$74.18	$18.01	$74.61	$41.09	$97.69	$98.89	$89.34	$68.45	$42.36	$11.71
14	UG Cbl Metallic	5C	$66.71	$74.92	$52.08	$23.96	$48.71	$7.73	$43.01	$12.91	$55.54	$60.28	$67.27	$48.06	$25.80	$4.83
15	Buried Cbl Metallic	45C	$408.46	$422.19	$362.28	$582.78	$481.28	$792.70	$720.50	$894.64	$790.94	$1,124.98	$177.28	$286.31	$802.80	$1,105.17
16	Intrabuilding Cbl., Exch., Metallic	62C	$15.55	$14.66	$19.24	$8.65	$16.40	$3.77	$4.50	$0.99	$2.45	$0.54	$28.48	$18.23	$2.20	$0.28
17	UG Cbl Nonmetallic	85C	$4.33	$4.33	$5.16	$8.23	$6.65	$6.15	$8.95	$14.89	$11.67	$6.86	$2.99	$4.50	$3.70	$3.14
18	Pair Gain—Digital	257C	$84.29	$45.36	$97.27	$152.97	$135.46	$199.05	$144.88	$241.87	$109.82	$124.19	$79.51	$117.69	$140.93	$540.91
19	Buried Cbl Nonmetallic	845C	$0.00	$0.00	$3.19	$21.16	$10.86	$108.84	$21.33	$270.55	$24.21	$120.75	$0.00	$0.00	$75.63	$738.88
20	Buried Drop	35C	$77.61	$77.75	$59.05	$97.81	$79.63	$139.66	$125.13	$159.16	$156.11	$179.48	$33.31	$56.21	$132.38	$211.56
21	Aerial Drop	42C	$10.90	$10.92	$8.29	$13.74	$11.19	$19.63	$17.58	$22.32	$21.97	$25.24	$4.67	$7.89	$18.59	$29.51
22	Digital Switch	377c	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
23	Land	20C	$0.40	$0.26	$0.45	$0.64	$0.58	$0.80	$0.61	$0.95	$0.49	$0.54	$0.38	$0.52	$0.60	$2.00
24	Building	110C	$4.66	$3.07	$5.19	$7.46	$6.74	$9.34	$7.13	$11.08	$5.70	$6.28	$4.46	$6.02	$6.97	$23.29
25	*General Purpose Comp. (Billing)*	*361C*	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
26																
27	**Total Loop Investment**		**$827.58**	**$821.57**	**$740.45**	**$1,031.64**	**$934.10**	**$1,396.46**	**$1,251.38**	**$1,773.52**	**$1,365.86**	**$1,884.63**	**$527.43**	**$661.75**	**$1,342.90**	**$2,810.45**
28	Investment Cost Calculation															
29	Depreciation		$5.93	$5.76	$5.39	$7.97	$6.96	$10.90	$9.51	$13.40	$10.24	$13.97	$3.55	$4.83	$10.33	$20.98
30	Cost of Money		$3.69	$3.71	$3.28	$4.54	$4.12	$6.14	$5.56	$7.81	$6.12	$8.37	$2.33	$2.89	$5.96	$12.19
31	Income Tax		$1.53	$1.53	$1.35	$1.88	$1.70	$2.54	$2.30	$3.23	$2.53	$3.46	$0.96	$1.20	$2.46	$5.04
32	Ad Valorem		$0.94	$0.93	$0.84	$1.17	$1.06	$1.59	$1.42	$2.01	$1.55	$2.12	$0.60	$0.75	$1.52	$3.19
33	Maintenance		$4.94	$5.04	$4.33	$6.59	$5.62	$8.96	$8.14	$10.39	$9.06	$12.43	$2.53	$3.63	$8.92	$13.87
34	**Total Capital Costs**		$17.03	$16.98	$15.19	$22.14	$19.46	$30.12	$26.92	$36.84	$29.51	$40.35	$9.97	$13.31	$29.20	$55.27
35	Development of Total Product Costs															
36	Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
37	Direct Costs		$17.93	$17.88	$16.10	$23.05	$20.37	$31.03	$27.83	$37.75	$30.42	$41.26	$10.87	$14.21	$30.11	$56.18
38	TELRIC		$22.89	$22.84	$21.05	$28.00	$25.32	$35.98	$32.78	$42.70	$35.37	$46.21	$15.83	$19.17	$35.06	$61.13
39	*Common*		$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**		**$23.81**	**$23.76**	**$21.98**	**$28.93**	**$26.25**	**$36.91**	**$33.71**	**$43.63**	**$36.30**	**$47.14**	**$16.75**	**$20.09**	**$35.99**	**$62.06**
41	**Feeder Cost Calculations**															
42	Investments by Account	FRC														
43	Poles	1C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.91	$0.00	$0.00	$0.32	$1.83
44	Aerial Cbl Metallic	52C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.52	$0.00	$0.00	$0.54	$3.06
45	Conduit System	4C	$97.71	$110.27	$74.53	$43.36	$74.18	$18.01	$74.61	$41.09	$97.69	$98.89	$89.34	$68.45	$42.36	$11.71
46	UG Cbl Metallic	5C	$61.79	$70.31	$45.21	$20.88	$43.43	$5.84	$41.33	$12.44	$54.17	$59.97	$57.50	$41.77	$24.90	$4.69
47	Buried Cbl Metallic	45C	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$36.62	$0.00	$0.00	$10.10	$40.50
48	UG Cbl Nonmetallic	85C	$4.33	$4.33	$5.16	$8.23	$6.65	$6.15	$8.95	$14.89	$11.67	$6.86	$2.99	$4.50	$3.70	$3.14
49	Pair Gain—Digital	257C	$84.29	$45.36	$97.27	$152.97	$135.46	$199.05	$144.88	$241.87	$109.82	$124.19	$79.51	$117.69	$140.93	$540.91
50	Buried Cbl Nonmetallic	845C	$0.00	$0.00	$3.19	$21.16	$10.86	$108.84	$21.33	$270.55	$24.21	$120.75	$0.00	$0.00	$75.63	$738.88
51	Digital Switch	377C	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10	$29.10
52	Land	20C	$0.40	$0.26	$0.45	$0.64	$0.58	$0.80	$0.61	$0.95	$0.49	$0.54	$0.38	$0.52	$0.60	$2.00
53	Building	110C	$4.66	$3.07	$5.19	$7.46	$6.74	$9.34	$7.13	$11.08	$5.70	$6.28	$4.46	$6.02	$6.97	$23.29
54	*General Purpose Comp. (Billing)*	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
55																
56	**Total Feeder Investment**		**$282.28**	**$282.71**	**$260.09**	**$283.81**	**$307.00**	**$377.12**	**$327.93**	**$621.97**	**$332.85**	**$485.65**	**$263.28**	**$268.04**	**$335.14**	**$1,399.10**
57	Investment Cost Calculation															
58	Depreciation		$1.64	$1.36	$1.63	$2.04	$2.02	$2.79	$2.17	$4.22	$2.01	$2.99	$1.54	$1.76	$2.31	$9.70
59	Cost of Money		$1.20	$1.15	$1.08	$1.12	$1.26	$1.49	$1.34	$2.56	$1.41	$2.08	$1.12	$1.10	$1.37	$5.76
60	Income Tax		$0.50	$0.48	$0.45	$0.46	$0.52	$0.62	$0.55	$1.06	$0.58	$0.86	$0.46	$0.45	$0.56	$2.38
61	Ad Valorem		$0.32	$0.30	$0.30	$0.32	$0.35	$0.43	$0.37	$0.71	$0.38	$0.55	$0.30	$0.30	$0.38	$1.59
62	Maintenance		$0.47	$0.45	$0.42	$0.42	$0.48	$0.53	$0.50	$0.86	$0.52	$1.01	$0.44	$0.43	$0.56	$2.22
63	**Total Feeder Capital Costs**		$4.13	$3.74	$3.87	$4.38	$4.52	$5.86	$4.94	$9.41	$4.89	$7.49	$3.86	$4.04	$5.20	$21.65
64	Development of Total Product Costs															
65	Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165	$0.0165
66	Direct Costs		$4.36	$3.98	$4.11	$4.62	$4.86	$6.09	$5.18	$9.65	$5.13	$7.73	$4.10	$4.28	$5.44	$21.89
67	TELRIC		$5.60	$5.22	$5.35	$5.85	$6.10	$7.33	$6.42	$10.88	$6.37	$8.96	$5.34	$5.52	$6.68	$23.13
68	*Common*		$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**		**$5.83**	**$5.45**	**$5.58**	**$6.08**	**$6.33**	**$7.56**	**$6.65**	**$11.11**	**$6.60**	**$9.20**	**$5.57**	**$5.75**	**$6.91**	**$23.36**
70	**Distribution Cost Calculations**															
71	Investments by Account	FRC														
72	Poles	1C	$10.42	$10.76	$9.22	$15.61	$12.48	$23.10	$20.25	$27.71	$22.54	$31.93	$3.98	$7.04	$22.85	$39.40
73	Aerial Cbl Metallic	52C	$17.40	$17.96	$15.37	$25.94	$20.82	$38.08	$33.51	$44.95	$37.43	$52.79	$6.65	$11.74	$37.62	$61.56

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO
3	2W Wire Center Cost Calculations																
4		Office Name		Tucson East	Flowing Wells	Tucson Main	Tucson North	Rincon	Tucson Southeast	Tucson South	Tucson Southwest	Tanque Verde	Tucson West	Tempe	Mcclintock	Tolleson	Tubac
5		CLLI		TCSNAZEA	TCSNAZFW	TCSNAZMA	TCSNAZNO	TCSNAZRN	TCSNAZSE	TCSNAZSO	TCSNAZSW	TCSNAZTV	TCSNAZWE	TEMPAZMA	TEMPAZMC	TLSNAZMA	TUBCAZMA
6		Zone		2	2	2	3	2	3	3	3	3	3	1	2	3	3
7		Lines		64644	35814	74011	44558	69758	7465	37199	17974	11257	5211	67566	83832	9773	2364
74		Aerial Wire	3C	$0.00	$0.01	$0.03	$0.13	$0.02	$0.50	$0.29	$1.31	$0.21	$0.52	$0.00	$0.00	$0.53	$4.22
75		UG Cbl Metallic	5C	$4.92	$4.61	$6.86	$3.07	$5.28	$1.89	$1.67	$0.47	$1.37	$0.31	$9.77	$6.29	$0.90	$0.15
76		Buried Cbl Metallic	45C	$408.46	$422.19	$362.28	$582.78	$481.28	$792.70	$720.50	$894.64	$790.94	$1,088.36	$177.28	$286.31	$792.70	$1,064.66
77		Intrabuilding Cbl., Exch., Metallic	62C	$15.55	$14.66	$19.24	$8.65	$16.40	$3.77	$4.50	$0.99	$2.45	$0.54	$28.48	$18.23	$2.20	$0.28
78		Buried Drop	35C	$77.61	$77.75	$59.05	$97.81	$79.63	$139.66	$125.13	$159.16	$156.11	$179.48	$33.31	$56.21	$132.38	$211.56
79		Aerial Drop	42C	$10.90	$10.92	$8.29	$13.74	$11.19	$19.63	$17.58	$22.32	$21.97	$25.24	$4.67	$7.89	$18.59	$29.51
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$545.27	$558.56	$480.33	$747.74	$627.10	$1,019.33	$923.44	$1,151.86	$1,034.01	$1,379.18	$254.15	$383.71	$1,007.78	$1,411.33
82	Investment Cost Calculation																
83		Depreciation		$4.29	$4.40	$3.76	$5.92	$4.94	$8.11	$7.34	$9.18	$8.22	$10.99	$2.00	$3.07	$8.02	$11.28
84		Cost of Money		$2.49	$2.55	$2.19	$3.41	$2.86	$4.65	$4.21	$5.25	$4.71	$6.29	$1.21	$1.80	$4.60	$6.43
85		Income Tax		$1.03	$1.05	$0.91	$1.41	$1.18	$1.92	$1.74	$2.17	$1.95	$2.60	$0.50	$0.74	$1.90	$2.66
86		Ad Valorem		$0.62	$0.63	$0.55	$0.85	$0.71	$1.16	$1.05	$1.31	$1.17	$1.57	$0.30	$0.45	$1.14	$1.60
87		Maintenance		$4.47	$4.59	$3.91	$6.17	$5.14	$8.43	$7.64	$9.53	$8.56	$11.42	$2.09	$3.21	$8.34	$11.65
88		Total Distribution Capital Costs		$12.90	$13.23	$11.32	$17.77	$14.84	$24.27	$21.98	$27.44	$24.62	$32.87	$6.11	$9.27	$24.00	$33.62
89	Development of Total Product Costs																
90		Element Specific Expenses		$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02
91		Direct Costs		$13.59	$13.92	$12.00	$18.45	$15.53	$24.95	$22.67	$28.12	$25.30	$33.55	$6.79	$9.95	$24.69	$34.31
92		TELRIC		$17.31	$17.64	$15.72	$22.17	$19.24	$28.67	$26.39	$31.84	$29.02	$37.27	$10.51	$13.67	$28.41	$38.02
93		Common		$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$18.00	$18.33	$16.42	$22.86	$19.94	$29.37	$27.08	$32.54	$29.72	$37.96	$11.21	$14.37	$29.10	$38.72

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	CP	CQ	CR	CS
1	Arizona						
2	Compliance Phase IIa 1/31/03 8:33:20 AM						
3	**2W Wire Center Cost Calculations**						
4		**Office Name**		**Vail North**	**Vail South**	**White Tanks**	**Wintersburg**
5		CLLI		VAILAZNO	VAILAZSO	WHTKAZMA	WNBGAZ01
6		Zone		3	3	3	3
7		Lines		1218	2121	1971	668
8	**Total Loop Cost Calculations**						
9		Investments by Account (From Loop Module Output or Loop Length Zone Data)	FRC				
10		Poles	1C	$50.63	$52.28	$42.62	$37.14
11		Aerial Cbl Metallic	52C	$78.18	$81.31	$69.76	$57.29
12		Aerial Wire	3C	$6.34	$5.97	$1.40	$4.71
13		Conduit System	4C	$17.30	$12.69	$18.80	$26.00
14		UG Cbl Metallic	5C	$5.59	$5.90	$11.27	$6.94
15		Buried Cbl Metallic	45C	$1,280.20	$1,331.51	$1,266.04	$1,005.86
16		Intrabuilding Cbl., Exch., Metallic	62C	$0.04	$0.19	$0.22	$1.48
17		UG Cbl Nonmetallic	85C	$5.93	$2.67	$1.58	$10.86
18		Pair Gain—Digital	257C	$769.77	$421.37	$108.02	$1,438.44
19		Buried Cbl Nonmetallic	845C	$1,040.03	$597.28	$108.20	$2,175.59
20		Buried Drop	35C	$235.19	$216.01	$200.14	$141.98
21		Aerial Drop	42C	$32.69	$30.13	$28.10	$19.75
22		Digital Switch	377c	$29.10	$29.10	$29.10	$29.10
23		Land	20C	$2.80	$1.58	$0.48	$5.14
24		Building	110C	$32.62	$18.41	$5.62	$59.90
25		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001
26							
27		**Total Loop Investment**		**$3,586.42**	**$2,808.30**	**$1,891.35**	**$5,020.19**
28	Investment Cost Calculation						
29		Depreciation		$26.59	$21.20	$14.78	$35.67
30		Cost of Money		$15.48	$12.30	$8.48	$21.27
31		Income Tax		$6.40	$5.08	$3.51	$8.79
32		Ad Valorem		$4.07	$3.19	$2.15	$5.70
33		Maintenance		$16.45	$15.63	$13.72	$15.50
34		Total Capital Costs		$68.98	$57.41	$42.64	$86.93
35	Development of Total Product Costs						
36		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165
37		Direct Costs		$69.89	$58.31	$43.54	$87.84
38		TELRIC		$74.84	$63.27	$48.50	$92.79
39		Common		$0.92	$0.92	$0.92	$0.92
40	**Total Loop TELRIC + Common**			**$75.77**	**$64.19**	**$49.42**	**$93.72**
41	**Feeder Cost Calculations**						
42	Investments by Account		FRC				
43		Poles	1C	$1.74	$3.03	$6.66	$4.60
44		Aerial Cbl Metallic	52C	$2.91	$5.06	$11.12	$7.67
45		Conduit System	4C	$17.30	$12.69	$18.80	$26.00
46		UG Cbl Metallic	5C	$5.59	$5.84	$11.12	$6.38
47		Buried Cbl Metallic	45C	$53.80	$62.42	$113.45	$189.72
48		UG Cbl Nonmetallic	85C	$5.93	$2.67	$1.58	$10.86
49		Pair Gain—Digital	257C	$769.77	$421.37	$108.02	$1,438.44
50		Buried Cbl Nonmetallic	845C	$1,040.03	$597.28	$108.20	$2,175.59
51		Digital Switch	377C	$29.10	$29.10	$29.10	$29.10
52		Land	20C	$2.80	$1.58	$0.48	$5.14
53		Building	110C	$32.62	$18.41	$5.62	$59.90
54		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001
55							
56		**Total Feeder Investment**		**$1,961.61**	**$1,159.45**	**$414.14**	**$3,953.42**
57	Investment Cost Calculation						
58		Depreciation		$13.59	$8.04	$3.01	$27.15
59		Cost of Money		$8.07	$4.79	$1.74	$16.41
60		Income Tax		$3.34	$1.98	$0.72	$6.78
61		Ad Valorem		$2.23	$1.32	$0.47	$4.49
62		Maintenance		$3.07	$2.08	$1.49	$6.73
63		Total Feeder Capital Costs		$30.29	$18.20	$7.43	$61.55
64	Development of Total Product Costs						
65		Element Specific Expenses		$0.0165	$0.0165	$0.0165	$0.0165
66		Direct Costs		$30.53	$18.44	$7.67	$61.79
67		TELRIC		$31.77	$19.68	$8.91	$63.03
68		Common		$0.23	$0.23	$0.23	$0.23
69	**Feeder TELRIC + Common**			**$32.00**	**$19.91**	**$9.14**	**$63.26**
70	**Distribution Cost Calculations**						
71	Investments by Account		FRC				
72		Poles	1C	$48.88	$49.25	$35.96	$32.54
73		Aerial Cbl Metallic	52C	$75.27	$76.25	$58.64	$49.62

Section A - Unbundled Loop
Wire Center Loop Costs 2W

	A	B	C	CP	CQ	CR	CS
3	2W Wire Center Cost Calculations						
4		Office Name		Vail North	Vail South	White Tanks	Wintersburg
5		CLLI		VAILAZNO	VAILAZSO	WHTKAZMA	WNBGAZ01
6		Zone		3	3	3	3
7		Lines		1218	2121	1971	668
74		Aerial Wire	3C	$6.34	$5.97	$1.40	$4.71
75		UG Cbl Metallic	5C	$0.00	$0.06	$0.15	$0.55
76		Buried Cbl Metallic	45C	$1,226.39	$1,269.09	$1,152.59	$816.14
77		Intrabuilding Cbl., Exch., Metallic	62C	$0.04	$0.19	$0.22	$1.46
78		Buried Drop	35C	$235.19	$216.01	$200.14	$141.98
79		Aerial Drop	42C	$32.69	$30.13	$28.10	$19.75
80		General Purpose Comp. (Billing)	361C	$0.0001	$0.0001	$0.0001	$0.0001
81		Total Distribution Investment		$1,624.31	$1,646.35	$1,477.21	$1,066.77
82	Investment Cost Calculation						
83		Depreciation		$13.00	$13.16	$11.78	$8.53
84		Cost of Money		$7.41	$7.51	$6.74	$4.86
85		Income Tax		$3.06	$3.10	$2.78	$2.01
86		Ad Valorem		$1.84	$1.87	$1.68	$1.21
87		Maintenance		$13.38	$13.56	$12.23	$8.77
88		Total Distribution Capital Costs		$38.69	$39.20	$35.20	$25.38
89	Development of Total Product Costs						
90		Element Specific Expenses		$0.02	$0.02	$0.02	$0.02
91		Direct Costs		$39.37	$39.89	$35.89	$26.06
92		TELRIC		$43.09	$43.61	$39.61	$29.78
93		Common		$0.69	$0.69	$0.69	$0.69
94	Distribution TELRIC + Common			$43.79	$44.30	$40.30	$30.48

Section A - Unbundled Loop
Loop - Defaults & Overrides

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2			**Unbundled Loop**			
3			**Arizona**			
4	**Description**	**Default Source**	**Default Value**	**Overrides**	**This Run**	**Instructions**
5				AP p15		
6	Unbundled Loop Grooming Investment 2-Wire	sA p25 G9	$66.51		66.51	Enter unbundled loop grooming investment.
7	Loop Billing and Collection Expense	AP p10 F22	$0.0165		0.0165	Enter billing and collection expense per line.
8	Unbundled Loop Grooming Investment 4-Wire	sA p25 G17	$153.79		153.79	Calculated 4-Wire unbundled loop grooming investment.
9						All Investments are EFI
10	This Run equals Default Value if Overrides is empty					
11	s = section					
12	p = page					
13	c = column					
14	r = row					
15	Upper Case letter with number indicates a cell location, i.e. G40					
16						
17	The spreadsheet shows the Override data entered by the user in ICM's custom input screens. If the user					
18	has input override data, the spreadsheet will determine this and display the override data in the					
19	Overrides column. The this run column will show the Override or the Default Value if no override has					
20	been entered.					

Cell: D8
Comment: Changes in 2-wire unbundled loop grooming will automatically change the 4-wire unbundled loop grooming proportionately.

	A	B	C	D	E	F	G	H
1	**Litespan 2000 Unbundled Loop Grooming Design**							
2								
3	**State:**	**Arizona**	2-WIRE				**Weighted**	
4			**Investment**		**DLC %**		**Cost**	
5					From Loop Grooming Data		cC*cE	
6	**Option 1**	CO Chan & Term	$139.86	H47	0.4295		$60.07	257C
7	**Option 2**	CO Chan & Term	$555.26	H95	0.0116		$6.43	257C
8								
9	**Weighted average demultiplexing investment per DS0**						$66.51	
10								
11								
12			4-WIRE				**Weighted**	
13			**Investment**		**DLC %**		**Cost**	
14	**Option 1**	CO Chan & Term	$322.03	H69	0.4295		$138.32	257C
15	**Option 2**	CO Chan & Term	$1,334.59	H118	0.0116		$15.46	257C
16								
17	**Weighted average demultiplexing investment per DS0**						$153.79	
18								
19								
20	**Per Occurrence Investment - Option 1 & 2 weighted by Lines Integrated**							
21								
22		**Option**		**Quantity**	**Option %**	**Investment**	**Wtd Invest**	
23				From Loop Grooming Data	cD/D26	C7 & C6	cE*cF	
24		Option 2		30,447	0.0263	$555.26	$14.59	
25		Option 1		1,128,641	0.9737	$139.86	$136.19	
26		Total		1,159,088	1.0000		$150.77	

	A	B	C	D	E	F	G	H
27	**Arizona**	**LS2000 Unbundled Loop - for use with integrated TR-303 DS1s**						
28	2-WIRE	Option 1						
29	**Parts**				**Quantity**	**Unit Cost**		**Total Cost**
30	**Hardware & Commons for COT TR-008**					From Loop Grooming Data		cE*cF
31	COT 7' Bay Copper Fed				1	11,515.30		$ 11,515.30
32	COT Common Plugs Copper Fed (TR-008)				1	11,042.36		$ 11,042.36
33	COT Channel Bank Common PIE				3	1,465.91		$ 4,397.73
34	CPOTS Channel Units (Quad)				168	265.71		$ 44,638.88
35				Total				$71,594.27
36	**Software & Hardware Option**							
37	TR-303 Generic System Software				1			
38	OMAPS				1			
39				Total cost	System		H31:H33	$26,955.39
40					Channel Units		H34	$44,638.88
41								
42				At fill	System		H39/H71	41,469.83
43					Channel Units		H40/F72	52,516.33
44					Total			93,986.15
45								
46				System Capacity (DS0s)				672
47				Cost per DS0				$139.86
48								
49	4-WIRE	Option 1				From Loop Grooming Data		
50	**Parts**				**Quantity**	**Unit Cost**		**Total Cost**
51	**Hardware & Commons for COT TR-008**							cE*cF
52	COT 7' Bay Copper Fed				1	11,515.30		$ 11,515.30
53	COT Common Plugs Copper Fed (TR-008)				1	11,042.36		$ 11,042.36
54	COT Channel Bank Common PIE				3	1,465.91		$ 4,397.73
55	Universal 4 Wire Dual Card				84	675.28		$ 56,723.31
56				Total		-		$83,678.70
57	**Software & Hardware Option**							
58	TR-303 Generic System Software				1			
59	OMAPS				1			
60								
61				Total cost	System	H52+H53+H54		$26,955.39
62					Channel Units		H55	$56,723.31
63								
64				At fill	System		H61/F71	41,469.83
65					Channel Units		H62/F72	66,733.31
66					Total			108,203.13
67								
68				System Capacity (DS0s)			4*E55	336
69				Cost per DS0			H66/H68	$322.03
70								
71				System Fill		0.65		
72				Channel Unit Fill		0.85		
73								
74								

	A	B	C	D	E	F	G	H
75	**Arizona**	**LS2000 Unbundled Loop - for use with integrated TR-008 DS1s**						
76	2-WIRE	Option 2				From Loop Grooming Data		
77	**Parts**				**Quantity**	**Unit Cost**		**Total Cost**
78	**Hardware & Commons for COT TR-008**							cE*cF
79	COT 7' Bay Copper Fed				1	11,515.30		$11,515.30
80	COT Common Plugs Copper Fed (TR-008)				1	11,042.36		$11,042.36
81	COT Channel Bank Common PIE				3	1,465.91		$4,397.73
82	DS1 Channel Units				56	396.73		$22,217.13
83	CPOTS Channel Units (Quad)				26	265.71		$6,908.40
84				Total				$56,080.91
85	**Software & Hardware Option**							
86	TR-303 Generic System Software				1			
87	OMAPS				1			
88	System capacity		672		Total cost	System	H79+H80+H81	$26,955.39
89	Unbundled loop %		0.15			Channel Units	H82+H83	$29,125.53
90	Unbundled loops		101			Total		$56,080.91
91	POTS channel units		26					
92								
93								
94				Working DS0s			C90	101
95				Cost per DS0			H90/H94	$555.26
96								
97								
98								
99	4-WIRE	Option 2				From Loop Grooming Data		
100	**Parts**				**Quantity**	**Unit Cost**		**Total Cost**
101	**Hardware & Commons for COT TR-008**							cE*cF
102	COT 7' Bay Copper Fed				1	11,515.30		$11,515.30
103	COT Common Plugs Copper Fed (TR-008)				1	11,042.36		$11,042.36
104	COT Channel Bank Common PIE				3	1,465.91		$4,397.73
105	DS1 Channel Units				56	396.73		$22,217.13
106	Universal 4 Wire Dual Card				26	675.28		$17,557.21
107				Total				$66,729.73
108	**Software & Hardware Option**							
109	TR-303 Generic System Software				1			
110	OMAPS				1			
111	System capacity		336		Total cost	System	H102+H103+H104	$26,955.39
112	Unbundled loop %		0.15			Channel Units	H105+H106	$39,774.34
113	Unbundled loops		50			Total		$66,729.73
114	POTS channel units		26					
115								
116								
117				Working DS0s			C113	50
118				Cost per DS0			H113/H117	$1,334.59
119								

Section A - Unbundled Loop
Loop Grooming Data

	A	B	C	D	E	F
1	**Litespan 2000 Unbundled Loop Grooming Design**					
2						
3						
4	**State:**					**Arizona**
5						
6	**Option 1**	**LS2000 Unbundled Loop - for use with integrated TR-303 DS1s**				
7		DLC%				42.95%
8	**Option 2**	**LS2000 Unbundled Loop - for use with integrated TR-008 DS1s**				
9		DLC%				1.16%
10						
11						
12	**Integrated Loop Demultiplexing Equipment**					
13		7 foot Bay				$11,515.30
14		Cards TR008				$11,042.36
15		Common PIE				$1,465.91
16		Quad Card				$265.71
17		DS1 Card				$396.73
18		4 Wire Card				$675.28
19		Quad ISDN Card				$ 800.60
20	**Line Quantities**					
21		Total				2,627,617
22		32 Line				5,296
23		96/192 Line				30,447
24		672/1344 Line				1,128,641
25		Total Demux				1,159,088

Section A - Unbundled Loop
Loop Module Output

Arizona
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Feeder Model - 12 Kilofoot crossover

Pairs Per Site - Engineering Standard

NID Investments	62C	35C	42C
	$12.41	$26.32	$4.26

CLLI	Directly Assigned Feeder 1C	52C	4C	5C	45C	85C	257C	845C	Directly Assigned Distribution 1C	52C	3C	5C	45C	62C	35C	42C	Number of Loops	Average Length	Percent DLC	Zone	Office Name
AGFIAZSR	$0.00	$0.00	$39.80	$21.13	$0.00	$5.65	$142.95	$4.76	$14.44	$23.96	$0.14	$1.21	$535.53	$3.52	$104.11	$14.62	24,939	15,414	78%	3	Sunrise
BCKYAZMA	$0.00	$0.00	$50.28	$22.61	$0.00	$11.09	$341.42	$470.01	$35.57	$55.29	$4.09	$2.55	$962.74	$7.20	$145.03	$20.24	6,718	28,657	59%	3	Buckeye
BLCNAZMA	$0.00	$0.00	$15.42	$8.61	$57.28	$1.79	$156.01	$137.25	$23.81	$39.54	$0.21	$1.85	$818.16	$6.08	$179.88	$25.34	1,647	11,952	37%	3	Black Canyon
BRDSAZMA	$0.00	$0.00	$58.31	$31.03	$0.00	$8.22	$142.41	$49.61	$13.93	$22.86	$0.41	$2.50	$499.65	$6.30	$91.84	$12.87	28,640	14,710	64%	3	Beardsley
CHNDAZMA	$0.00	$0.00	$57.45	$33.65	$0.00	$5.13	$118.74	$10.91	$12.44	$20.72	$0.05	$3.27	$478.61	$9.40	$83.25	$11.68	63,892	16,155	58%	2	Chandler Main
CHNDAZSO	$0.00	$0.00	$114.97	$74.85	$0.00	$3.03	$35.47	$12.16	$15.53	$25.84	$0.09	$0.84	$575.14	$2.34	$114.96	$16.15	12,743	11,776	17%	3	Chandler South
CHNDAZWE	$0.00	$0.00	$80.22	$49.74	$0.00	$4.51	$98.87	$0.00	$10.42	$17.37	$0.02	$4.27	$408.79	$11.57	$70.93	$9.95	38,627	13,665	51%	2	Chandler West
CHVYAZMA	$1.30	$2.17	$89.78	$51.92	$22.20	$8.67	$187.00	$215.82	$17.45	$28.75	$0.40	$7.14	$618.33	$22.94	$93.91	$13.20	6,288	17,062	46%	3	Chino Valley
CLDGAZMA	$0.00	$0.00	$80.96	$46.36	$0.00	$8.26	$204.17	$300.93	$22.75	$36.37	$1.61	$2.40	$713.87	$7.23	$124.68	$17.44	5,110	18,953	38%	3	Coolidge
CMVRAZMA	$0.02	$0.04	$58.24	$33.20	$1.09	$6.08	$107.09	$121.57	$29.58	$47.76	$1.62	$2.32	$934.80	$7.15	$150.95	$21.17	6,770	18,011	42%	3	Camp Verde
CRNDAZMA	$0.00	$0.00	$46.31	$27.57	$0.00	$3.71	$116.40	$71.14	$24.68	$40.79	$0.42	$0.65	$854.01	$1.28	$160.56	$22.59	9,432	15,729	53%	3	Coronado
CSGRAZMA	$0.00	$0.00	$70.70	$37.52	$0.00	$10.07	$144.46	$218.72	$21.40	$34.29	$1.43	$2.73	$689.66	$7.55	$107.02	$14.97	17,071	17,189	45%	3	Casa Grande
CTWDAZMA	$0.00	$0.00	$84.09	$45.95	$0.00	$10.70	$144.28	$159.77	$22.92	$37.57	$0.70	$2.52	$788.70	$7.37	$128.56	$18.05	12,797	20,345	50%	3	Cottonwood Main
CTWDAZSO	$0.00	$0.00	$61.67	$38.24	$0.00	$3.46	$60.89	$23.68	$13.11	$21.81	$0.08	$0.63	$491.36	$1.85	$106.67	$14.97	2,804	8,387	35%	2	Cottonwood South
CVCKAZMA	$0.00	$0.00	$62.26	$32.20	$0.00	$9.68	$148.19	$149.71	$26.88	$43.98	$0.89	$1.22	$884.63	$3.85	$166.06	$23.32	13,732	21,484	58%	3	Cave Creek
DRVYAZNO	$0.00	$0.00	$74.72	$43.95	$0.00	$6.50	$104.75	$16.32	$14.28	$23.75	$0.09	$2.39	$536.63	$6.73	$97.19	$13.65	40,462	14,622	52%	3	Deer Valley North
ELOYAZ01	$0.00	$0.00	$54.85	$27.42	$0.00	$9.44	$238.46	$322.22	$32.52	$51.55	$2.74	$1.68	$949.69	$4.52	$165.05	$23.09	5,356	22,060	55%	3	Eloy
FLGSAZEA	$0.00	$0.00	$88.15	$50.88	$0.00	$8.60	$149.94	$321.95	$17.21	$28.55	$0.19	$3.50	$633.47	$10.73	$102.67	$14.42	15,679	18,927	29%	3	Flagstaff East
FLGSAZMA	$0.00	$0.00	$76.83	$44.69	$0.00	$7.17	$127.20	$288.98	$10.72	$17.56	$0.34	$7.73	$399.76	$23.15	$58.56	$8.20	26,669	14,819	34%	3	Flagstaff Main
FLGSAZSO	$0.73	$1.21	$107.68	$68.71	$45.81	$4.18	$32.00	$35.48	$20.72	$34.44	$0.15	$0.77	$757.87	$1.49	$128.54	$18.07	2,603	9,974	3%	3	Flagstaff South
FLRNAZMA	$0.00	$0.00	$45.23	$18.54	$0.00	$11.71	$436.86	$726.91	$28.80	$45.18	$2.92	$1.28	$826.86	$2.78	$134.04	$18.75	4,536	21,019	52%	3	Florence
FTMDAZMA	$0.00	$0.00	$101.79	$62.69	$0.00	$6.14	$48.14	$2.23	$18.22	$30.34	$0.09	$2.90	$663.61	$8.99	$124.53	$17.52	14,243	10,605	21%	3	Ft Mcdowell
FTMDAZNO	$0.00	$0.00	$5.47	$0.00	$0.00	$3.58	$461.27	$507.62	$24.40	$38.91	$1.84	$0.57	$748.79	$1.36	$141.45	$19.78	1,545	55,191	100%	3	Rio Verde
GDYRAZCW	$0.00	$0.00	$89.46	$55.68	$0.00	$4.83	$81.85	$76.77	$17.44	$28.81	$0.30	$2.36	$627.00	$6.98	$108.51	$15.23	9,218	10,807	23%	3	Coldwater
GLDLAZMA	$0.00	$0.00	$104.53	$66.09	$0.00	$4.65	$73.56	$0.00	$8.41	$14.04	$0.00	$5.44	$338.82	$16.76	$65.40	$9.18	56,052	11,076	33%	2	Glendale
GNVYAZMA	$0.00	$0.00	$75.59	$42.05	$0.00	$8.90	$188.53	$434.42	$26.18	$42.66	$1.05	$0.54	$857.58	$1.32	$162.43	$22.80	17,476	21,438	46%	3	Green Valley
HGLYAZMA	$0.00	$0.00	$47.85	$21.25	$0.00	$10.81	$195.79	$230.70	$30.28	$49.59	$0.97	$0.37	$1,002.15	$0.68	$173.98	$24.43	3,238	20,017	63%	3	Higley
HGLYAZQC	$0.00	$0.00	$35.53	$9.52	$0.00	$14.06	$334.96	$480.98	$57.73	$85.38	$11.01	$0.09	$1,193.18	$0.19	$245.27	$33.91	3,876	27,769	97%	3	Queen Creek
HMBLAZMA	$0.00	$0.00	$72.53	$34.33	$0.00	$14.35	$203.66	$264.96	$49.28	$75.12	$7.16	$0.14	$1,188.24	$0.31	$214.71	$29.88	4,158	21,469	59%	3	Humboldt
LTPKAZMA	$0.00	$0.00	$39.49	$19.02	$0.00	$7.49	$174.88	$67.95	$21.65	$35.14	$1.01	$1.74	$710.55	$5.36	$132.03	$18.53	11,958	18,497	69%	3	Litchfield Park
MARNAZMA	$0.00	$0.00	$16.88	$4.36	$0.00	$6.84	$308.47	$332.48	$33.77	$54.82	$1.57	$0.45	$1,077.75	$1.04	$172.48	$24.20	7,718	38,599	91%	3	Marana
MESAAZGI	$0.00	$0.00	$73.23	$45.53	$0.00	$4.00	$90.84	$0.00	$9.22	$15.39	$0.01	$4.73	$367.35	$14.43	$69.59	$9.77	59,219	12,455	47%	2	Gilbert
MESAAZMA	$0.00	$0.00	$81.68	$51.26	$0.00	$4.00	$106.79	$0.00	$7.15	$11.93	$0.01	$6.63	$292.48	$20.25	$56.93	$7.99	102,061	11,833	47%	2	Mesa
MSPKAZMA	$0.00	$0.00	$98.84	$54.88	$0.00	$11.74	$57.45	$104.52	$21.54	$35.93	$0.03	$1.01	$810.27	$1.71	$118.08	$16.60	2,668	9,950	9%	3	Munds Park
NGLSAZMA	$0.86	$1.43	$97.39	$60.22	$15.39	$5.64	$97.97	$136.06	$19.73	$32.62	$0.33	$3.51	$702.39	$10.83	$120.45	$16.93	6,447	12,239	21%	3	Nogales Main
NGLSAZMW	$0.00	$0.00	$75.03	$39.58	$0.00	$10.92	$119.37	$106.07	$24.25	$40.00	$0.48	$1.08	$851.27	$2.53	$138.80	$19.50	10,480	15,246	45%	3	Nogales Midway
NWRVAZMA	$0.41	$0.68	$52.18	$14.61	$10.61	$20.05	$328.13	$328.32	$33.98	$52.44	$4.30	$1.84	$891.08	$5.51	$164.60	$22.93	3,935	35,576	84%	3	New River
ORCLAZMA	$5.37	$8.97	$21.50	$10.51	$128.08	$3.93	$431.80	$697.42	$27.71	$45.03	$1.23	$0.52	$889.90	$1.29	$181.33	$25.45	1,803	23,921	42%	3	Oracle
PHNXAZ81	$0.97	$1.62	$90.01	$61.06	$18.34	$0.00	$0.00	$0.00	$14.42	$24.06	$0.01	$1.53	$553.44	$4.33	$96.92	$13.61	7,508	10,397	0%	3	Foothills
PHNXAZBW	$0.00	$0.00	$91.04	$49.53	$0.00	$11.80	$112.32	$10.10	$17.50	$29.14	$0.08	$0.88	$658.89	$1.89	$106.62	$14.97	14,468	13,537	47%	3	Bethany West
PHNXAZCA	$0.00	$0.00	$67.59	$41.78	$0.00	$3.93	$114.08	$3.33	$9.24	$15.42	$0.00	$4.29	$366.66	$12.32	$70.25	$9.86	92,211	14,915	57%	2	Cactus
PHNXAZEA	$0.00	$0.00	$93.02	$58.84	$0.00	$4.11	$76.75	$1.47	$6.81	$11.36	$0.00	$7.72	$277.81	$21.20	$46.65	$6.55	35,822	10,398	31%	2	Phoenix East

Section A - Unbundled Loop
Loop Module Output

Arizona
Compliance Phase IIa 1/31/03 8:33:20 AM

Feeder Model - 12 Kilofoot crossover

Pairs Per Site - Engineering Standard

	62C	35C	42C
NID Investments	$12.41	$26.32	$4.26

		Directly Assigned Feeder								Directly Assigned Distribution												
	CLLI	1C	52C	4C	5C	45C	85C	257C	845C	1C	52C	3C	5C	45C	62C	35C	42C	Number of Loops	Average Length	Percent DLC	Zone	Office Name
52	PHNXAZGR	$0.00	$0.00	$59.30	$34.66	$0.00	$5.37	$134.95	$1.90	$9.43	$15.75	$0.00	$4.67	$376.82	$13.94	$68.71	$9.64	94,013	14,155	63%	2	Greenway
53	PHNXAZLV	$0.00	$0.00	$86.11	$50.44	$0.00	$7.69	$135.35	$84.61	$39.63	$64.48	$1.69	$0.06	$1,252.61	$0.10	$207.96	$29.18	2,678	16,757	67%	3	Laveen
54	PHNXAZMA	$0.00	$0.00	$86.00	$56.02	$0.00	$2.24	$25.27	$0.52	$4.68	$7.81	$0.00	$8.53	$194.85	$21.85	$36.26	$5.09	78,214	7,273	11%	1	Phoenix Main
55	PHNXAZMR	$0.00	$0.00	$65.07	$38.02	$0.00	$5.91	$110.54	$0.00	$11.83	$19.75	$0.00	$3.12	$461.96	$8.51	$80.40	$11.29	52,396	12,728	53%	2	Mid Rivers
56	PHNXAZMY	$0.00	$0.00	$113.76	$73.65	$0.00	$3.40	$46.17	$0.00	$10.51	$17.55	$0.00	$3.14	$413.46	$8.61	$76.71	$10.76	39,546	10,147	21%	2	Maryvale
57	PHNXAZNE	$0.00	$0.00	$123.35	$81.62	$0.00	$1.98	$31.13	$0.00	$6.08	$10.14	$0.01	$7.42	$246.14	$19.31	$45.99	$6.45	70,517	9,750	15%	2	Phoenix Northeast
58	PHNXAZNO	$0.00	$0.00	$104.34	$69.22	$0.00	$1.50	$40.24	$0.00	$7.32	$12.23	$0.00	$0.40	$282.37	$2.03	$92.90	$13.04	104,910	8,793	18%	2	Phoenix North
59	PHNXAZNW	$0.00	$0.00	$189.50	$124.66	$0.00	$3.75	$32.50	$0.00	$9.61	$16.04	$0.00	$0.56	$371.79	$2.07	$92.92	$13.04	58,427	9,335	12%	2	Phoenix Northwest
60	PHNXAZPP	$0.00	$0.00	$4.14	$0.00	$0.00	$2.71	$192.30	$18.39	$9.47	$15.81	$0.00	$3.81	$371.14	$9.75	$71.78	$10.07	15,845	23,608	100%	2	Pecos
61	PHNXAZPR	$0.00	$0.00	$85.21	$52.45	$0.00	$5.16	$87.99	$0.00	$13.12	$21.90	$0.00	$1.72	$508.22	$4.78	$91.27	$12.81	40,652	12,166	42%	2	Peoria
62	PHNXAZSE	$0.00	$0.00	$111.21	$72.21	$0.00	$3.11	$23.24	$0.00	$5.43	$9.06	$0.02	$9.16	$226.55	$25.57	$38.50	$5.41	23,413	9,072	12%	2	Phoenix Southeast
63	PHNXAZSO	$0.00	$0.00	$65.03	$38.83	$0.00	$5.10	$121.55	$30.20	$14.93	$24.84	$0.09	$3.02	$566.24	$8.70	$93.39	$13.11	28,526	14,106	53%	3	Phoenix South
64	PHNXAZSY	$0.00	$0.00	$107.71	$68.47	$0.00	$4.44	$60.50	$0.00	$5.85	$9.76	$0.00	$8.86	$247.20	$25.64	$40.23	$5.65	59,451	11,089	28%	2	Sunnyslope
65	PHNXAZWE	$0.00	$0.00	$81.50	$49.86	$0.00	$5.24	$102.89	$0.00	$9.32	$15.56	$0.00	$6.29	$376.08	$20.02	$65.42	$9.19	43,156	11,744	45%	2	Phoenix West
66	PINEAZMA	$0.40	$0.66	$47.31	$18.01	$10.28	$13.58	$266.14	$397.81	$26.09	$43.50	$0.06	$0.56	$930.33	$1.07	$166.79	$23.49	2,831	21,041	54%	3	Pine
67	PRSCAZEA	$0.00	$0.00	$98.28	$56.12	$0.00	$10.18	$83.23	$9.48	$17.76	$29.60	$0.06	$1.84	$664.68	$5.08	$108.96	$15.31	14,894	12,863	36%	3	Prescott East
68	PRSCAZMA	$0.00	$0.00	$66.39	$36.05	$0.00	$8.66	$128.16	$162.20	$16.80	$27.61	$0.45	$5.29	$595.61	$16.36	$96.99	$13.62	37,208	16,497	45%	3	Prescott Main
69	PRVYAZPP	$0.00	$0.00	$52.99	$28.48	$0.00	$7.20	$132.73	$64.86	$21.02	$35.00	$0.10	$1.59	$759.63	$3.99	$134.56	$18.93	32,421	23,921	64%	3	Pinnacle Peak
70	PYSNAZMA	$0.00	$0.00	$90.34	$48.57	$0.00	$12.26	$130.21	$268.09	$25.35	$40.73	$1.60	$1.38	$800.78	$3.78	$144.61	$20.24	12,004	15,385	38%	3	Payson
71	SCDLAZMA	$0.00	$0.00	$89.56	$57.25	$0.00	$3.38	$72.43	$3.05	$6.57	$10.91	$0.06	$7.91	$265.37	$22.41	$46.91	$6.58	75,933	10,585	33%	2	Scottsdale Main
72	SCDLAZSH	$0.00	$0.00	$58.10	$32.40	$0.00	$6.76	$116.53	$10.58	$11.08	$18.50	$0.00	$4.06	$427.65	$9.60	$75.02	$10.54	40,198	13,333	56%	2	Shea
73	SCDLAZTH	$0.00	$0.00	$45.72	$25.81	$0.00	$5.02	$139.48	$1.27	$8.26	$13.80	$0.00	$6.94	$334.30	$20.08	$55.64	$7.81	78,755	15,179	72%	2	Thunderbird
74	SEDNAZMA	$0.00	$0.00	$64.25	$31.79	$0.00	$11.37	$200.22	$240.84	$17.84	$29.59	$0.20	$3.60	$650.75	$11.12	$108.32	$15.22	12,142	18,414	67%	3	Sedona Main
75	SEDNAZSO	$0.00	$0.00	$119.58	$70.85	$0.00	$9.91	$106.47	$217.61	$18.74	$31.21	$0.08	$2.00	$704.37	$5.40	$103.33	$14.51	4,395	13,679	23%	3	Sedona South
76	SNMNAZMA	$3.13	$5.23	$20.20	$11.16	$72.81	$2.45	$218.53	$178.82	$19.80	$32.76	$0.29	$0.91	$724.38	$1.87	$108.82	$15.28	2,121	15,045	32%	3	San Manuel
77	SPRSAZEA	$0.00	$0.00	$70.52	$39.70	$0.00	$7.85	$133.60	$52.69	$14.13	$23.57	$0.02	$1.84	$534.74	$5.17	$98.96	$13.90	24,814	14,617	57%	3	Super East
78	SPRSAZMA	$0.00	$0.00	$71.71	$41.39	$0.00	$7.00	$100.51	$5.99	$14.50	$24.16	$0.05	$1.76	$551.39	$5.11	$97.26	$13.65	31,154	12,384	48%	3	Super Main
79	SPRSAZWE	$0.00	$0.00	$81.43	$50.77	$0.00	$4.31	$97.50	$2.00	$10.48	$17.49	$0.00	$3.54	$411.87	$10.99	$79.11	$11.10	82,542	13,080	46%	2	Super West
80	SRVSAZMA	$0.00	$0.00	$71.04	$42.17	$0.00	$5.81	$144.53	$87.36	$16.14	$26.88	$0.07	$4.55	$607.03	$13.86	$94.20	$13.24	21,089	17,367	57%	3	Sierra Vista Main
81	SRVSAZNO	$0.76	$1.27	$16.74	$8.81	$67.57	$2.45	$274.63	$413.93	$33.81	$54.90	$1.55	$0.31	$1,077.43	$0.56	$182.44	$25.60	2,176	17,826	42%	3	Sierra Vista North
82	SRVSAZSO	$0.48	$0.80	$62.77	$32.46	$11.19	$9.76	$213.72	$236.75	$25.95	$43.16	$0.16	$1.05	$906.90	$3.21	$165.17	$23.26	6,924	21,912	56%	3	Sierra Vista South
83	TCSNAZCA	$0.00	$0.00	$58.73	$34.57	$0.00	$5.09	$110.23	$12.12	$14.62	$24.41	$0.00	$4.04	$562.00	$11.28	$90.04	$12.65	27,615	14,254	54%	3	Catalina
84	TCSNAZCO	$0.00	$0.00	$101.80	$62.29	$0.00	$6.53	$89.63	$48.78	$19.60	$32.39	$0.33	$1.33	$696.48	$3.79	$125.70	$17.66	16,540	13,713	39%	3	Cortaro
85	TCSNAZCR	$0.00	$0.00	$120.44	$77.10	$0.00	$4.44	$50.08	$4.00	$18.21	$30.39	$0.02	$2.06	$674.99	$5.67	$117.43	$16.51	40,094	12,015	21%	3	Craycroft
86	TCSNAZEA	$0.00	$0.00	$97.71	$61.79	$0.00	$4.33	$84.29	$0.00	$10.42	$17.40	$0.00	$4.92	$408.46	$15.55	$77.61	$10.90	64,644	11,464	36%	2	Tucson East
87	TCSNAZFW	$0.00	$0.00	$110.27	$70.31	$0.00	$4.33	$45.36	$0.00	$10.76	$17.96	$0.01	$4.61	$422.19	$14.66	$77.75	$10.92	35,814	10,095	21%	2	Flowing Wells
88	TCSNAZMA	$0.00	$0.00	$74.53	$45.21	$0.00	$5.16	$97.27	$3.19	$9.22	$15.37	$0.03	$6.86	$362.28	$19.24	$59.05	$8.29	74,011	11,468	42%	2	Tucson Main
89	TCSNAZNO	$0.00	$0.00	$43.36	$20.88	$0.00	$8.23	$152.97	$21.16	$15.61	$25.94	$0.13	$3.07	$582.78	$8.65	$97.81	$13.74	44,558	17,713	76%	3	Tucson North
90	TCSNAZRN	$0.00	$0.00	$74.18	$43.43	$0.00	$6.65	$135.46	$10.86	$12.48	$20.82	$0.02	$5.28	$481.28	$16.40	$79.63	$11.19	69,758	15,845	58%	2	Rincon
91	TCSNAZSE	$0.00	$0.00	$18.01	$5.84	$0.00	$6.15	$199.05	$108.84	$23.10	$38.08	$0.50	$1.89	$792.70	$3.77	$139.66	$19.63	7,465	20,949	92%	3	Tucson Southeast
92	TCSNAZSO	$0.00	$0.00	$74.61	$41.33	$0.00	$8.95	$144.88	$21.33	$20.25	$33.51	$0.29	$1.67	$720.50	$4.50	$125.13	$17.58	37,199	14,418	54%	3	Tucson South
93	TCSNAZSW	$0.00	$0.00	$41.09	$12.44	$0.00	$14.89	$241.87	$270.55	$27.71	$44.95	$1.31	$0.47	$894.64	$0.99	$159.16	$22.32	17,974	26,716	89%	3	Tucson Southwest

Arizona
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Feeder Model - 12 Kilofoot crossover

Pairs Per Site - Engineering Standard

NID Investments	62C	35C	42C
	$12.41	$26.32	$4.26

		Directly Assigned Feeder								Directly Assigned Distribution												
	CLLI	1C	52C	4C	5C	45C	85C	257C	845C	1C	52C	3C	5C	45C	62C	35C	42C	Number of Loops	Average Length	Percent DLC	Zone	Office Name
94	TCSNAZTV	$0.00	$0.00	$97.69	$54.17	$0.00	$11.67	$109.82	$24.21	$22.54	$37.43	$0.21	$1.37	$790.94	$2.45	$156.11	$21.97	11,257	16,722	50%	3	Tanque Verde
95	TCSNAZWE	$0.91	$1.52	$98.89	$59.97	$36.62	$6.86	$124.19	$120.75	$31.93	$52.79	$0.52	$0.31	$1,088.36	$0.54	$179.48	$25.24	5,211	17,749	42%	3	Tucson West
96	TEMPAZMA	$0.00	$0.00	$89.34	$57.50	$0.00	$2.99	$79.51	$0.00	$3.98	$6.65	$0.00	$9.77	$177.28	$28.48	$33.31	$4.67	67,566	10,626	35%	1	Tempe
97	TEMPAZMC	$0.00	$0.00	$68.45	$41.77	$0.00	$4.50	$117.69	$0.00	$7.04	$11.74	$0.00	$6.29	$286.31	$18.23	$56.21	$7.89	83,832	12,337	54%	2	Mcclintock
98	TLSNAZMA	$0.32	$0.54	$42.36	$24.90	$10.10	$3.70	$140.93	$75.63	$22.85	$37.62	$0.53	$0.90	$792.70	$2.20	$132.38	$18.59	9,773	16,530	58%	3	Tolleson
99	TUBCAZMA	$1.83	$3.06	$11.71	$4.69	$40.50	$3.14	$540.91	$738.88	$39.40	$61.56	$4.22	$0.15	$1,064.66	$0.28	$211.56	$29.51	2,364	39,368	75%	3	Tubac
100	VAILAZNO	$1.74	$2.91	$17.30	$5.59	$53.80	$5.93	$769.77	$1,040.03	$48.88	$75.27	$6.34	$0.00	$1,226.39	$0.04	$235.19	$32.69	1,218	29,078	84%	3	Vail North
101	VAILAZSO	$3.03	$5.06	$12.69	$5.84	$62.42	$2.67	$421.37	$597.28	$49.25	$76.25	$5.97	$0.06	$1,269.09	$0.19	$216.01	$30.13	2,121	35,232	67%	3	Vail South
102	WHTKAZMA	$6.66	$11.12	$18.80	$11.12	$113.45	$1.58	$108.02	$108.20	$35.96	$58.64	$1.40	$0.15	$1,152.59	$0.22	$200.14	$28.10	1,971	14,123	21%	3	White Tanks
103	WNBGAZ01	$4.60	$7.67	$26.00	$6.38	$189.72	$10.86	$1,438.44	$2,175.59	$32.54	$49.62	$4.71	$0.55	$816.14	$1.48	$141.98	$19.75	668	37,396	93%	3	Wintersburg

Section A - Unbundled Loop
Loop Length Zone Data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Arizona																
2		Compliance Phase IIa 1/31/03 8:33:20 AM																
3																		
4																		
5																		
6																		
7																		
8		**Directly Assigned Feeder**								**Directly Assigned Distribution**								
9	Zone	1C	52C	4C	5C	45C	85C	257C	845C	1C	52C	3C	5C	45C	62C	35C	42C	Number of Loops
10	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0
11	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0
12	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0
13	4	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0
14	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0
15	Avg	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	

Section B - Extension Technology
Ext Tech - Dev Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	Extension Technology 2-Wire	Extension Technology Unbundled Loop Grooming 2-Wire
			A	B	B
1	Investment	sB p2 D28		182.05	67.42
2					
3	Investment Based Costs (IBC)	sB p2 J28		2.96	1.14
4	Element Specific Expenses	sA p23 E7		0.0165	0.0165
5	***Total IBC + Element Specific Expenses***	*r3 + r4*		2.98	1.15
6					
7	***Directly Assigned***				
8	Product Management Expense	cA*r5	0.03428	0.1021	0.0396
9	Sales Expense	cA*r5	0.01133	0.0338	0.0131
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0058	0.0022
12	***Directly Assigned Costs***	*Sum r8:r11*		0.1416	0.0549
13					
14	***Total Direct***	*r5 + r12*		3.12	1.21
15					
16	***Directly Attributed***				
17	Network Operations	cA*r14	0.05029	0.1569	0.0608
18	Network Support Assets	cA*r14	0.01538	0.0480	0.0186
19	General Support Assets	cA*r14	0.08064	0.2516	0.0975
20	General Purpose Computers	cA*r14	0.03644	0.1137	0.0441
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0032	0.0012
22	Accounting and Finance Expense	cA*r14	0.00752	0.0235	0.0091
23	Human Resources Expense	cA*r14	0.00726	0.0227	0.0088
24	Information Management Expense	cA*r14	0.05157	0.1609	0.0624
25	Intangibles	cA*r14	0.00252	0.0078	0.0030
26	***Total Directly Attributed Costs***	*Sum r17:r25*		0.7882	0.3055
27					
28	***Total Element Long Run Incremental Costs***	*r 14 + r26*		3.91	1.51
29					
30	***Common***				
31	Executive Expense	cA*r28	0.00579	0.022612152	0.008763549
32	Planning Expense	cA*r28	0.00050	0.001946224	0.000754277
33	External Relations Expense	cA*r28	0.00817	0.031929016	0.012374386
34	Legal Expense	cA*r28	0.00535	0.020916046	0.008106207
35	Other Procurement Expense	cA*r28	0.00203	0.007913863	0.003067091
36	Research and Development Expense	cA*r28	0.00003	0.00012115	4.6953E-05
37	Other General and Admin Exp	cA*r28	0.01578	0.061673415	0.023902104
38	***Total Common Costs***	*Sum r31:r37*		0.1471	0.0570
39					
40	***TELRIC + Common***	*r27 + r38*		4.06	1.57

c = column, r = row, s = section, p = page, AP = Appendix

Section B - Extension Technology
Ext Tech - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM									
2	Arizona					Extension Technology				
3	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
4	**Unbundled Loop (2 wire)**				cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
5	2111	20C	Land	0.61	0.0000000	0.0046611	0.0019262	0.0006925	0.0023975	0.0096773
6	2121	110C	Building	7.11	0.0176823	0.0404911	0.0167333	0.0080729	0.0279479	0.1109276
7	2232.2	257C	Pair Gain—Digital	174.32	1.5712720	0.6114980	0.2527073	0.1978654	0.2078811	2.8412239
8	2411	1C	Poles	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
9	2421.11,.21	52C	Aerial Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
10	2421.11	42C	Aerial Drop	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
11	2422.11,.21	5C	UG Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
12	2422.12,.22	85C	UG Cbl Nonmetallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
13	2423.11,.21	45C	Buried Cbl Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
14	2423.11	35C	Buried Drop	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
15	2423.12,.22	845C	Buried Cbl Nonmetallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
16	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
17	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
18	2431	3C	Aerial Wire	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
19	2441	4C	Conduit System	0.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
20			Total	182.05	1.59	0.66	0.27	0.21	0.24	$ 2.96
21										
22	**Unbundled Loop Grooming**									
23	2111	20C	Land	0.23	0.0000000	0.0017263	0.0007134	0.0002565	0.0008880	0.0035842
24	2121	110C	Building	2.63	0.0065490	0.0149967	0.0061975	0.0029900	0.0103511	0.0410843
25	2232.3	357C	*Other Digital Equipment*	64.56	0.5819535	0.2264811	0.0935954	0.0732836	0.1178157	1.0931293
26			Total	67.42	0.59	0.24	0.10	0.08	0.13	$ 1.14
27	**Billing**									
28	2124	361C	General Purpose Comp. (Billing)	0.0001123	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000	0.0000026
29										
30	**Total 2-wire Ext. Tech. With Grooming**			249.47	2.18	0.90	0.37	0.28	0.37	4.10
31	**Investment Sources**									
32	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)				
33	Unbundled Loop = sB p4 cE					Unbundled Loop Grooming = sB p7 H33				

	A	B	C	D	E	F	G	H
1	**Unbundled Loop Grooming Design POTS**							
2								
3						**State Name**	Arizona	
4	**State:**	**Arizona**	2-WIRE					**Weighted**
5			**Investment**		**DLC %**			**Investment**
6	**Option 1**	UDLC	$139.8603	257C	0.4295		C6*E6	$60.0743
7								
8								
9								
10	**Option 2**	UDLC	$555.2566	257C	0.0116		C10*E10	$6.4339
11								
12								
13								
14	**Weighted average demultiplexing investment per DS0 for POTS**						H6+H10	$66.5082
15								
16	**Unbundled Loop Grooming Design BRI ISDN**							
17								
18	**State:**	**Arizona**	2-WIRE					**Weighted**
19			**Investment**		**DLC %**			**Investment**
20	**Option 1**	UDLC	$85.9303	257C	0.4295		C20*E20	$36.9097
21								
22								
23								
24	**Option 2**	UDLC	$585.2262	257C	0.0116		C24*E24	$6.7812
25								
26								
27								
28	**Weighted average demultiplexing investment per DS0 for BRI ISDN**						H20+H24	$43.6909
29								
30	**Incremental additional Investment per DS0 between POTS and BRI ISDN 1st Channel**						H28-H14	($22.8173)
31	**Incremental Investment per DS0 BRI ISDN for 2 Additional Channels**						2*H28	$87.3818
32								
33	**Incremental additional Investment for DS0s for BRI ISDN Total for 3 Channels**						H30+H31	$64.5645
44								
45	**Arizona**		**Unbundled Loop Grooming - for use with integrated TR-303 DS1s**					
46	2-WIRE POTS							
47	**Parts**				**Quantity**	**Unit Investment**		**Total Investment**
48	**Hardware & Commons for COT TR-008**					sA - Loop Grooming data		
49	COT 7' Bay Copper Fed				1	$11,515.2950	E49*F49	$11,515.2950
50	COT Common Plugs Copper Fed (TR-008)				1	$11,042.3621	E50*F50	$11,042.3621
51	COT Channel Bank Common PIE				3	$1,465.9100	E51*F51	$4,397.7299
52	CPOTS Channel Units (Quad Cards)				168	$265.7076	E52*F52	$44,638.8792
53				Total			SUM(H49:H52)	$71,594.2663
54	**Software & Hardware Option**							
55	TR-303 Generic System Software				1			
56	OMAPS				1			
57								
58				Total cost	System		H49+H50+H51	$26,955.3870
59					Channel Units		H52	$44,638.8792
60								
61	System Fill		0.65	At fill	System		H58/C61	$41,469.8262
62	Channel Unit Fill		0.85		Channel Units		H59/C62	$52,516.3285
63					Total		H61+H62	$93,986.1547
64								
65				System Capacity (DS0s)			[=4*E52]	672
66				Cost per DS0			[=H63/H65]	$139.8603
67								
68	System used to demuliplex DS0s from integrated TR-303 DS1s							
69								
70	**Arizona**		**Unbundled Loop Grooming - for use with integrated TR-008 DS1s**					
71	2-WIRE POTS							

	A	B	C	D	E	F	G	H
72	**Parts**				**Quantity**	**Unit Investment**		**Total Investment**
73	**Hardware & Commons for COT TR-008**					sA - Loop Grooming data		
74	COT 7' Bay Copper Fed				1	$11,515.2950	E74*F74	$11,515.2950
75	COT Common Plugs Copper Fed (TR-008)				1	$11,042.3621	E75*F75	$11,042.3621
76	COT Channel Bank Common PIE				3	$1,465.9100	E76*F76	$4,397.7299
77	DS1 Channel Units				56	$396.7345	E77*F77	$22,217.1294
78	CPOTS Channel Units (Quad Cards)				26	$265.7076	E78*F78	$6,908.3980
79				Total			SUM(H74:H78)	$56,080.9144
80	**Software & Hardware Option**							
81	TR-303 Generic System Software				1			
82	OMAPS				1			
83								
84	System capacity		672		Total cost	System	H74+H75+H76	$26,955.3870
85	Unbundled loop %		0.15			Channel Units	H77+H78	$29,125.5274
86	Unbundled loops		101			Total		$56,080.9144
87	POTS channel units		26					
88								
89				Working DS0s			[=C42]	101
90				Cost per DS0			[=H42/H45]	$555.2566
91								
92	System used to demuliplex DS0s from integrated TR-008 DS1s							
93								
94	**Arizona**		**Unbundled Loop Grooming - for use with integrated TR-303 DS1s**					
95	2-WIRE BRI ISDN							
96	**Parts**				**Quantity**	**Unit Investment**		**Total Investment**
97	**Hardware & Commons for COT TR-008**					sA - Loop Grooming data		
98	COT 7' Bay Copper Fed				1	$11,515.2950	E98*F98	$11,515.2950
99	COT Common Plugs Copper Fed (TR-008)				1	$11,042.3621	E99*F99	$11,042.3621
100	COT Channel Bank Common PIE				3	$1,465.9100	E100*F100	$4,397.7299
101	CISDN Channel Units (Quad Cards)				90	$265.7076	E101*F101	$23,913.6853
102				Total			SUM(H98:H101)	$50,869.0723
103	**Software & Hardware Option**							
104	TR-303 Generic System Software				1			
105	OMAPS				1			
106								
107				Total cost	System		H98+H99+H100	$26,955.3870
108					Channel Units		H101	$23,913.6853
109								
110	System Fill		0.65	At fill	System		H107/C110	$41,469.8262
111	Channel Unit Fill		0.85		Channel Units		H108/C111	$28,133.7474
112					Total		H110+H111	$69,603.5736
113								
114	TR-303 uses 2.25 time slots for BRI ISDN			System Capacity (DS0s)			[=(4*E101)*2.25]	810
115				Cost per DS0			[=H112/H114]	$85.9303
116	System used to demuliplex DS0s from integrated TR-303 DS1s							
117								
118	**Arizona**		**Unbundled Loop Grooming - for use with integrated TR-008 DS1s**					
119	2-WIRE BRI ISDN							
120	**Parts**				**Quantity**	**Unit Investment**		**Total Investment**
121	**Hardware & Commons for COT TR-008**							
122	COT 7' Bay Copper Fed				1	$11,515.2950	E122*F122	$11,515.2950
123	COT Common Plugs Copper Fed (TR-008)				1	$11,042.3621	E123*F123	$11,042.3621
124	COT Channel Bank Common PIE				3	$1,465.9100	E124*F124	$4,397.7299
125	DS1 Channel Units				56	$396.7345	E125*F125	$22,217.1294
126	CISDN Channel Units (Quad Cards)				57	$800.5988	E126*F126	$45,634.1344
127				Total			SUM(H122:H126)	$94,806.6508
128	**Software & Hardware Option**							
129	TR-303 Generic System Software				1			
130	OMAPS				1			
131								
132	System Capacity, BRI Lines		360	[=(30*3)*4]	Total cost	System	H122+H123+H124	$26,955.3870

	A	B	C	D	E	F	G	H
133	Unbundled loop %		0.15			Channel Units	H125+H126	$67,851.2638
134	Unbundled loops		54			Total	H125+H126	$94,806.6508
135	ISDN Quad channel units		57					
136								
137	TR-008 uses 3 time slots for BRI ISDN			Working DS0s			[=C134*3]	162
138				Cost per DS0			[=H134/H137]	$585.2262
139								
140	System used to demuliplex DS0s from integrated TR-008 DS1s							

Cell: G114
Comment: the calculation represents the following:
30 BRI Quad cards times 3 channel banks times 4 bri lines per quad card times 2.25. Gives total DS0 time slot capacity. Per Peggy Speight 7/22/97.

L Stolper

Cell: D132
Comment: the calculation represents the following:
30 BRI Quad cards times 3 channel banks times 4 bri lines per quad card.
Per Peggy Speight 7/22/97.

L Stolper

Section A - Unbundled Loop
Loop Module ET Outputs

	A	B	C	D	E
1	Compliance Phase IIa 1/31/03 8:33:20 AM				
2	Arizona				
3			Extension Technology Calculation		
4	FRC	Description	POTS	ISDN	Extention Technology (ISDN - POTS)
5	1C	Poles	$0.00	$0.00	$0.00
6	52C	Aerial_Cable	$0.00	$0.00	$0.00
7	3C	C_Wire	$0.00	$0.00	$0.00
8	4C	Conduit	$12.34	$12.34	$0.00
9	5C	UG_Cable	$0.00	$0.00	$0.00
10	45C	Bur_Cable	$0.00	$0.00	$0.00
11	62C	Bld_Cable	$0.00	$0.00	$0.00
12	85C	UG_FO	$8.07	$8.07	$0.00
13	257C	Circuit_and_Pair_Gain	$225.23	$399.56	$174.32
14	845C	Bur_FO	$43.60	$43.60	$0.00
15	862C	Bld_FO	$0.00	$0.00	$0.00
16	35C	Bur_Drop	$0.00	$0.00	$0.00
17	42C	Aerial_Drop	$0.00	$0.00	$0.00
18		Total Investment	$289.25	$463.58	$174.32
19					
20					
21	Investments are Outputs from the Loop Module				

Section C - Line and Trunk Ports
Port- Develop Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Line Ports Source or Calculation	Factor Value [AP p1 cB]	Line and Trunk Ports DS0 Analog Line Port	DS0 Trunk Port	DS1 Trunk Port	ISDN BRI Port	ISDN PRI Port	DID/PBX Trunk Port
			A	B	C	D	E	F	G
1	Investment	sC p2-3 cD Total	sC p2-3 cD	53.05	667.03	2411.13	300.10	9613.68	142.24
2									
3	Investment Based Costs (IBC)	sC p2-3 cK Total	sC p2-3 cJ	0.9041741	11.36775858	41.09161485	5.10543874	163.84080346	2.42363736
4	Element Specific Expenses	sC p4	sC p4-6	0.0164665	0.01646653	0.01646653	2.51593765	0.01646653	0.01646653
5	***Total IBC + Element Specific Expenses***	*r3 + r4*		**0.9206406**	**11.3842231**	**41.1080814**	**7.6213744**	**163.8572700**	**2.4401039**
6									
7	***Directly Assigned***								
8	Product Management Expense	cA*r5	0.03428	0.0315605	0.3902626	1.4092261	0.2612683	5.6171911	0.0836492
9	Sales Expense	cA*r5	0.01133	0.0104336	0.1290174	0.4658779	0.0863730	1.8569944	0.0276537
10	Product Advertising Expense	cA*r5	0.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0017789	0.0219977	0.0794329	0.0147267	0.3166205	0.0047150
12	***Directly Assigned Costs***	*Sum r8:r11*		0.0437731	0.5412776	1.9545370	0.3623681	7.7908060	0.1160179
13									
14	***Total Direct***	*r5 + r12*		0.9644137	11.9255007	43.0626183	7.9837425	171.6480760	2.5561218
15									
16	***Directly Attributed***								
17	Network Operations	cA*r14	0.05029	0.0484994	0.5997215	2.1655760	0.4014944	8.6320101	0.1285448
18	Network Support Assets	cA*r14	0.01538	0.0148279	0.1833546	0.6620878	0.1227500	2.6390892	0.0393004
19	General Support Assets	cA*r14	0.08064	0.0777684	0.9616485	3.4724834	0.6437930	13.8413576	0.2061205
20	General Purpose Computers	cA*r14	0.03644	0.0351403	0.4345295	1.5690726	0.2909036	6.2543409	0.0931374
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0009808	0.0121282	0.0437947	0.0081195	0.1745661	0.0025996
22	Accounting and Finance Expense	cA*r14	0.00752	0.0072553	0.0897155	0.3239601	0.0600617	1.2913085	0.0192297
23	Human Resources Expense	cA*r14	0.00726	0.0070045	0.0866149	0.3127638	0.0579859	1.2466800	0.0185651
24	Information Management Expense	cA*r14	0.05157	0.0497348	0.6149981	2.2207392	0.4117216	8.8518913	0.1318192
25	Intangibles	cA*r14	0.00252	0.0024265	0.0300046	0.1083455	0.0200871	0.4318666	0.0064312
26	***Total Directly Attributed Costs***	*Sum r17:r25*		0.2436379	3.0127154	10.8788231	2.0169169	43.3631102	0.6457479
27									
28	*Total Element Long Run Incremental Costs*	*r14 + r26*		1.2080516	14.9382161	53.9414415	10.0006594	215.0111862	3.2018697
29									
30	***Common***								
31	Executive Expense	cA*r28	0.00579	0.0069898	0.0864325	0.3121052	0.0578638	1.2440547	0.0185260
32	Planning Expense	cA*r28	0.00050	0.0006016	0.0074392	0.0268628	0.0049803	0.1070756	0.0015945
33	External Relations Expense	cA*r28	0.00817	0.0098698	0.1220452	0.4407016	0.0817054	1.7566414	0.0261593
34	Legal Expense	cA*r28	0.00535	0.0064655	0.0799493	0.2886946	0.0535235	1.1507399	0.0171364
35	Other Procurement Expense	cA*r28	0.00203	0.0024463	0.0302499	0.1092314	0.0202513	0.4353977	0.0064838
36	Research and Development Expense	cA*r28	0.00003	0.0000374	0.0004631	0.0016722	0.0003100	0.0066653	0.0000993
37	Other General and Admin Exp	cA*r28	0.01578	0.0190643	0.2357400	0.8512499	0.1578204	3.3930915	0.0505287
38	*Total Common Costs*	*Sum r31:r37*		0.0454747	0.5623193	2.0305177	0.3764548	8.0936661	0.1205280
39									
40	*TELRIC + Common*	*r27 + r38*		1.2535	15.5005	55.9720	10.3771	223.1049	3.3224

c = column, r = row, s = section, p = page, AP = Appendix

Section C - Line and Trunk Ports
Port-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						Line and Trunk Ports				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
4	DS0 Analog Line Port										
5	2111	20C	Land	0.1827000	0.0000000	0.0013957	0.0005768	0.0002074	0.0007179		0.0028978
6	2121	110C	Building	2.1213500	0.0052739	0.0120769	0.0049909	0.0024078	0.0083357		0.0330853
7	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
8	2212	377C	Digital Switch	50.7500000	0.4407531	0.1775611	0.0733788	0.0576035	0.1188919	0.0000000	0.8681885
9			Total	53.0541623	0.4460289	0.1910341	0.0789466	0.0602189	0.1279456	0.0000000	0.9041741
10	DS0 Trunk Port										
11	2111	20C	Land	2.297007333	0.0000000	0.0175478	0.0072518	0.0026072	0.0090260		0.036432801
12	2121	110C	Building	26.670807370	0.0663066	0.1518376	0.0627483	0.0302726	0.1048017		0.415966749
13	2212	377C	Digital Switch	638.06	5.5413968	2.2323980	0.9225594	0.7242241	1.4947762	0.0000000	10.9154
14	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
15			Total	667.03	5.6077053	2.4017838	0.9925597	0.7571040	1.6086039	0.0000000	11.3678
16	DS1 Trunk Port										
17	2111	20C	Land	8.303112000	0.0000000	0.0634310	0.0262135	0.0094244	0.0326267		0.131695544
18	2121	110C	Building	96.408356000	0.2396821	0.5488551	0.2268195	0.1094278	0.3788322		1.503616666
19	2212	377C	Digital Switch	2306.42	20.0307756	8.0695652	3.3348235	2.6178906	5.4032453	0.0000000	39.4563
20	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
21			Total	2411.13	20.2704595	8.6818517	3.5878566	2.7367429	5.8147041	0.0000000	41.0916
22	ISDN BRI Port										
23	2111	20C	Land	1.025176082	0.0000000	0.0078318	0.0032365	0.0011636	0.0040284		0.016260304
24	2121	110C	Building	11.904283493	0.0295954	0.0677714	0.0280072	0.0135119	0.0467773		0.185663150
25	2212	377C	Digital Switch	279.641273620	2.4286260	0.9783923	0.4043298	0.3174054	0.6551150	0.0000000	4.783868510
26	2232.3	357C	Other Digital Equipment	3.658808331	0.0329788	0.0128345	0.0053040	0.0041529	0.0066765		0.061946597
27	2232.3	357CS	Other Digital Equipment	1.617619496	0.0145804	0.0056743	0.0023450	0.0018361	0.0028983		0.027334103
28	2422.12,.22	85C	UG Cbl Nonmetallic	1.088968210	0.0081678	0.0050957	0.0021058	0.0012360	0.0016419		0.018247220
29	2423.12,.22	845C	Buried Cbl Nonmetallic	0.011561050	0.0000638	0.0000518	0.0000214	0.0000131	0.0000158		0.000165982
30	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
31	2441	4C	Conduit System	1.156675072	0.0021898	0.0056024	0.0023153	0.0013129	0.0005280		0.011948315
32			Total	300.104477698	2.5162038	1.0832545	0.4476651	0.3406321	0.7176812	0.0000000	5.105436740
33	ISDN PRI Port										
34	2111	20C	Land	33.106233708	0.0000000	0.2529126	0.1045185	0.0375771	0.1300894		0.525097512
35	2121	110C	Building	384.400158054	0.9556622	2.1883994	0.9043766	0.4363115	1.5104826		5.995232239
36	2212	377C	Digital Switch	9196.18	79.8668665	32.1750341	13.2966345	10.4380739	21.5438622	0.0000000	157.3205
37	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
38			Total	9613.68	80.8225306	34.6163465	14.3055297	10.9119626	23.1844342	0.0000000	163.8408

Section C - Line and Trunk Ports
Port-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						Line and Trunk Ports				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
39	DID/PBX Trunk Port										
40	2111	20C	Land	0.489772068	0.0000000	0.0037416	0.0015462	0.0005559	0.0019245		0.007768268
41	2121	110C	Building	5.686904187	0.0141383	0.0323757	0.0133796	0.0064549	0.0223464		0.088694842
42		257C	Pair Gain—Digital	0.66	0.0059466	0.0023142	0.0009564	0.0007488	0.0007867	0.0000000	0.0108
43	2212	377C	Digital Switch	135.41	1.1759761	0.4737518	0.1957824	0.1536923	0.3172162	0.0000000	2.3164
44	2124	361C	General Purpose Comp.	0.000112344	0.0000018	0.0000004	0.0000002	0.0000001	0.0000000		0.000002560
45			Total	142.24	1.1960628	0.5121837	0.2116647	0.1614521	0.3422740	0.0000000	2.4236
46	Investment Sources										
47	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)					
48	All others = sC p4-5 sum of column c, f, or g by account										
49											
50	s = section										
51	p = page										
52	c = column										
53	r = row										
54	Upper Case letter with number indicates a cell location, i.e. G40										

Compliance Phase IIa 1/31/03 8:33:20 AM

Arizona
Investment & Expense Summary

DS0 Analog Line Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 E3	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	50.75		50.75
	Expense		0.016466529	0.016466529

DS0 Analog Trunk Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 r7	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	638.0575926		638.0575926
	Expense		0.016466529	0.016466529

DS1 Trunk Port

Account Name	FRC	a DS1 Port Switching	b B&C	c TOTAL
		sC p17 E5	*AP p10 F21&22*	*a+b*
General Purpose Comp.	361C		0.000112344	0.000112344
Digital Switch	377C	2306.42		2306.42
	Expense		0.016466529	0.016466529

Section C - Line and Trunk Ports
Ports Inv & Exp Summary

ISDN BRI Port

Account Name	FRC	a RTU	b X.75 Link	c BRI Port Switching	d Switching Features	e Billing & Collections	f Total
		sC p6	*sC p11 r52*	*sC p17 E9*	*sC p17 E16*	*AP p10 F21&22*	*a+b+c+d+e*
General Purpose Comp.	361C					$ 0.0001	$ 0.0001
Other Digital Equipment	357C		$ 3.6588				$ 3.6588
Other Digital Equipment	357CS		$ 1.6176				$ 1.6176
Digital Switch	377C		$ 42.2133	$ 219.6265	$ 17.8015		$ 279.6413
Conduit System	4C		$ 1.1567				$ 1.1567
Buried Cbl Nonmetallic	845C		$ 0.0116				$ 0.0116
UG Cbl Nonmetallic	85C		$ 1.0890				$ 1.0890
	Expense	$ 2.4995				$ 0.0165	$ 2.5159

ISDN PRI Port

Account Name	FRC	a 23B+D	b DID	c DOD	d RTU	e B&C	f TOTAL
		sC p17 E25	*sC p17 E20*	*sC p17 E21*	*sC p6*	*AP p10 F21&22*	*a+b+c+d+e*
General Purpose Comp.	361C					$ 0.000112	$ 0.0001
Digital Switch	377C	$ 8,958.09	$ 119.00	$ 119.09			$ 9,196.18
	Expense				$ -	$ 0.0165	$ 0.0165

DID/PBX Trunk Port

Account Name	FRC	a DS1 to DS0 Multiplexer	b MDF	c DSX-1	d DLTU	e Switch Processing for DID Function	f Billing	g Total per Termination
		sC p16 ln5	*sC p16 ln8*	*sC p16 ln11*	*sC p17 E30*	*sC p17 E31*	*AP p10 F21&22*	*a+b+c+d+e+f*
Pair Gain—Digital	257C	$ 0.66						$ 0.66
Digital Switch	377C		$ 0.05	$ 0.65117	$ 117.36	$ 17.35		$ 135.41
General Purpose Comp.	361C						$ 0.000112	$ 0.000112
	Expenses						$ 0.0165	$ 0.0165

Single Line ISDN Service
Arizona

Compliance Phase IIa 1/31/03 8:33:20 AM

BRI RTU FEES

SW 1

2.	Arizona SW 1 ISDN Lines	*sC p7 I63*		12,326
3.	Arizona Total ISDN Lines	*Ln2 + Ln9*		13,419
4.	Total ISDN Lines	*sC p7 H65*		141,575
5.	SW 1 Buy Out RTU per Line		$	101.12
6.	SW 1 RTU per Line	*Capital Lease Expense / Port*	$	100.00
7.	Total SW 1 ISDN RTU per Line	*Ln5 + Ln6*	$	201.12

SW 2

8	SW 2 Expense RTU per ISDN Line	*Capital Lease Expense / Port*	$	150.00
9	Arizona SW 2 ISDN Lines	*sC p7 J63*		1,092

Weighted Average RTU Expense

10	Weighted ISDN RTU per Line	*(Ln7*(Ln2/Ln3))+(Ln8*(Ln9/Ln3))*	$	196.96
11	Levelized Monthly RTU expense per Line	*A/P using Ln 10*		$2.50

PRI RTU FEES

1.	Switch Type 1 RTU to USWC	*Total Captital Lease Expense*	$	-
2.	Total ISDN Lines	*sC p7 H65*		141,575
3.	RTU per ISDN Line	*Ln1 / Ln2*	$	-
4.	Levelized Annual RTU expense per line	A/P using Ln 3		$0.00
5.	Levelized Monthly RTU expense per line	*Ln 4 / 12 months*		$0.00

Pretax Discount Rate	AP p8	13.59%
Period (years)	*Source: Product Management*	16.5

Section C Line and Trunk Ports
ISDN Line Forecast

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM									
2			ISDN LINES NETWORK DISCLOSED OFFICES ONLY							
3					ANNUAL GAIN					
4	Arizona									
5		Switch Type	2000	2001	2002	2003		NPV	SW1 Lines	SW2 Lines
6								NPV (2003 to 2001 @ Discount Rate) + Prior years		
7	BEARDSLEY	1	114	40	45	50		226	226	0
8	CASA GRANDE	EIA	0	0	0	0		-	0	0
9	CATALINA	2	102	28	37	55		200	0	200
10	CAVE C REEK	1	0	0	0	0		-	0	0
11	CHANDLER - GALVESTON	1	0	0	0	0		-	0	0
12	CHANDLER - MAIN	1	273	-10	-10	-15		244	244	0
13	CHANDLER - OCOTILLO	1	0	0	0	0		-	0	0
14	CHANDLER - SOUTH	1	7	2	0	4		12	12	0
15	CHANDLER - WEST	1	177	1	-1	-2		176	176	0
16	CORTARO	1	68	21	26	22		126	126	0
17	CRAYCROFT	1	49	19	24	26		106	106	0
18	DEER VALLEY - NORTH	1	272	78	75	82		468	468	0
19	FLAGSTAFF - EAST	1	60	9	3	4		74	74	0
20	FLAGSTAFF - MAIN	1	45	5	4	4		56	56	0
21	FLOWING WELLS	2	26	3	3	4		34	0	34
22	FORT MCDOWELL	1	66	8	5	4		80	80	0
23	GILBERT MESA - MAIN	1	876	63	55	66		1,029	1029	0
24	GLENDALE - MAIN	1	22	-1	-2	-6		15	15	0
25	PHOENIX - BETHANY WEST	1	9	-1	-3	-2		4	4	0
26	PHOENIX - CACTUS	1	240	6	11	8		261	261	0
27	PHOENIX - EAST	1	136	18	16	13		176	176	0
28	PHOENIX - FOOTHILLS	1	25	-7	-10	-2		9	9	0
29	PHOENIX - GREENWAY	1	97	-3	-10	-16		74	74	0
30	PHOENIX - MAIN	1	309	50	25	-48		339	339	0
31	PHOENIX - MARYVALE	1	10	3	3	4		18	18	0
32	PHOENIX - MID RIVER	1	0	0	0	0		-	0	0
33	PHOENIX - NORTH	1	4232	-108	-185	-385		3,687	3687	0
34	PHOENIX - NORTHEAST	1	101	-10	-14	-14		70	70	0
35	PHOENIX - NORTHWEST	1	0	0	0	0		-	0	0
36	PHOENIX - PECOS	1	50	6	3	4		61	61	0
37	PHOENIX - PEORIA	1	0	0	0	0		-	0	0
38	PHOENIX - SOUTH	EIA	0	0	0	0		-	0	0
39	PHOENIX - SOUTHEAST	1	0	0	0	0		-	0	0
40	PHOENIX - SUNNYSLOPE	1	0	0	0	0		-	0	0
41	PHOENIX - USW DIRECT	1	0	0	0	0		-	0	0
42	PHOENIX - WEST	1	0	0	0	0		-	0	0
43	PINNACLE PEAK	1	367	107	64	63		566	566	0
44	PRESCOTT - EAST	EIA	0	0	0	0		-	0	0
45	PRESCOTT - MAIN	1	207	70	65	101		402	402	0
46	RINCON	2	87	13	21	22		133	0	133
47	SCOTTSDALE - MAIN	1	373	38	22	15		437	437	0
48	SEDONA - MAIN	1	7	0	-1	-3		4	4	0
49	SHEA	1	236	38	22	25		308	308	0
50	SIERRA VISTA - MAIN	2	97	58	81	131		317	0	317
51	SUNRISE	1	76	6	7	13		97	97	0
52	SUPERSTITION - EAST	EIA	0	0	0	0		-	0	0
53	SUPERSTITION - MAIN	EIA	0	0	0	0		-	0	0
54	SUPERSTITION - WEST	2	0	0	0	0		-	0	0
55	TANQUE VERDE	1	60	10	9	18		90	90	0
56	TEMPE - MAIN	2	332	38	27	25		408	0	408
57	TEMPE - MCCLINTOCK	1	574	44	12	3		626	626	0
58	THNDERBIRD	1	503	63	51	62		650	650	0
59	TUCSON - EAST	1	136	11	14	7		163	163	0
60	TUCSON - MAIN	1	789	218	222	266		1,375	1375	0
61	TUCSON - NORTH	1	33	16	20	71		118	118	0
62	TUCSON - SOUTH	1	52	35	65	56		181	181	0
63	Arizona Totals		11,295	985	801	735		13,419	12,326	1,092
64										
65	Qwest									
66	CTX-21 ISDN		120	51	54	33		236		
67	CTX PRIME ISDN		2320	1172	1045	1045		5053		
68	ISDN BASIC		29261	803	733	737		31163		
69	ISDN - SLS		68235	12792	12455	10912		98559		
70	CONSUMER ISDN		6257	2220	1531	-3942		6563		
71	Qwest Totals		106,194	17,037	15,818	8,785		141,575		
72										
73	Discount Rate =	0.0961								

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INPUTS

1.	Investment per SW1 ISDN Equipped End Office	*Installed Investment*	377C	$	8,046.52
2.	Investment per SW2 ISDN Equipped End Office	*Installed Investment*	377C	$	9,193.03
3.	Investment per DACS Port	*DCS cost study*	377C	$	388.07
4.	Investment per Digipac X.75' Port	*Installed Investment*	377C	$	17,648.52
5.	Investment per Digipac Trunk Port	*Installed Investment*	377C	$	17,648.52
6.	Number of ISDN Lines	*sC p7 H63*			13,419
7.	Number of SW1 ISDN EO w/X.75 Links	*Forecast*			45
8.	Number of SW2 ISDN EO w/X.75 Links	*Forecast*			6
9.	Number of ISDN Digipac Switches	*Design Parameter*			6
10.	% Digipac Traffic Originating from ISDN	*Design Parameter*			10%
11.	DS1s per Packet Switch Link	*Design Parameter*			1
12.	Number of Links between Packet Switches	*Design Parameter*			1
13.	Average Mileage between End Offices and DACS	*X.75 File*			10.32
14.	Average Mileage between Packet Switches	*V&H Coordinates*			46.85
15.	DS1 Interoffice Investments (Avg of all Mileage Bands)				
	a. Terminations	*sE p11*	357C	$	938.69
	b. Terminations	*sE p11*	357CS	$	337.92
	c. Facilities - per Mile	*sE p11*	357C	$	2.13
	d. Facilities - per Mile	*sE p11*	357CS	$	8.36
	e. Facilities - per Mile	*sE p11*	4C	$	29.23
	f. Facilities - per Mile	*sE p11*	845C	$	0.29
	g. Facilities - per Mile	*sE p11*	85C	$	27.52

ISDN EQUIPPED END OFFICE INVESTMENT PER ISDN LINE

16.	Switch Type 1 End Office Investment	*Ln1*	377C	$	8,046.52
17.	Switch Type 1 ISDN Equipped End Offices	*Ln7*			45
18.	Total Switch Type 1 Investment	*Ln16 x Ln17*		$	362,093.57
19.	Switch Type 2 End Office Investment	*Ln2*	377C	$	9,193.03
20.	Switch Type 2 ISDN Equipped End Offices	*Ln8*			6
21.	Total Switch Type 2 Investment	*Ln19 x Ln20*		$	55,158.19
22.	Total Investment	*Ln18 + Ln21*		$	417,251.76
23.	Total ISDN Lines	*Ln6*			13,419
24.	Investment per ISDN Line	*Ln22 / Ln23*	377C	$	31.10

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ISDN END OFFICE TO DACS DS1 PER ISDN LINE

25. Total DS1 Investments				
a. Total Termination	*(Ln7+Ln8) x Ln15a*	357C	$	47,873.32
b. Total Termination	*(Ln7+Ln8) x Ln15b*	357CS	$	17,233.93
c. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15c*	357C	$	1,118.77
d. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15d*	357CS	$	4,399.23
e. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15e*	4C	$	15,383.97
f. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15f*	845C	$	153.76
g. Total Facilities	*(Ln7+Ln8) x Ln13 x Ln15g*	85C	$	14,483.46
26. ISDN Lines	*Ln6*			13,419
27. DS1 Investment per Line				
a. Termination	*Ln25a / Ln26*	357C	$	3.5677
b. Termination	*Ln25b / Ln26*	357CS	$	1.2843
c. Facilities	*Ln25c / Ln26*	357C	$	0.0834
d. Facilities	*Ln25d / Ln26*	357CS	$	0.3278
e. Facilities	*Ln25e / Ln26*	4C	$	1.1465
f. Facilities	*Ln25f / Ln26*	845C	$	0.0115
g. Facilities	*Ln25g / Ln26*	85C	$	1.0794

DACS

28. Investment per DACS Port	*Ln3*	377C	$	388.07
29. Number of Ports (Incoming + Outgoing)	*Ln7 + Ln8 + Ln9*			57
30. Total DACS Investment	*Ln28 x Ln29*		$	22,119.99
31. ISDN Lines	*Ln6*			13,419
32. Investment per ISDN Line	*Ln30 / Ln31*	377C	$	1.6485

Packet Switching X.75 Ports (Incoming)

33. Investment per X.75 Port	*Ln4*	377C	$	17,648.52
34. Packet Switches within LATA	*Ln9*			6
35. Total Incoming Port Investment	*Ln33 x Ln34*		$	105,891.14
36. ISDN Lines	*Ln6*			13,419
37. Investment per ISDN Line	*Ln35 / Ln36*	377C	$	7.89

Packet Switching Trunk Ports (Outgoing)

38. Investment per Packet Switch Trunk Port	*Ln5*	377C	$	17,648.52
39. Number of Trunk Ports per Packet Switch	*Assumption*			2
40. Packet Switches within LATA	*Ln9*			6
41. Total Trunk Port Investment	*Ln38 x Ln39 x Ln40*		$	211,782.27
42. ISDN Lines	*Ln6*			13,419
43. Investment per ISDN Line	*Ln41 / Ln42*		$	15.78
44. Percent Originating Digipac Traffic from ISDN	*Ln10*			10%
45. Investment per ISDN Line	*Ln43 x Ln44*	377C	$	1.58

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Inter Packet Switch IntraLATA Trunks

46. Total DS1 Investments for Packet Switch Links				
a. Termination	*Ln12 x Ln11 x Ln15a*	357C	$	938.69
b. Termination	*Ln12 x Ln11 x Ln15b*	357CS	$	337.92
c. Facilities	*Ln12 x Ln11 x Ln14 x Ln15c*	357C	$	99.59
d. Facilities	*Ln12 x Ln11 x Ln14 x Ln15d*	357CS	$	391.59
e. Facilities	*Ln12 x Ln11 x Ln14 x Ln15e*	4C	$	1,369.39
f. Facilities	*Ln12 x Ln11 x Ln14 x Ln15f*	845C	$	13.69
g. Facilities	*Ln12 x Ln11 x Ln14 x Ln15g*	85C	$	1,289.23
47. Percent Originating Digipac Traffic from ISDN	*Ln10*			10%
48. Investment per Link for ISDN				
a. Termination	*Ln46a x Ln47*	357C	$	93.87
b. Termination	*Ln46b x Ln47*	357CS	$	33.79
c. Facilities	*Ln46c x Ln47*	357C	$	9.96
d. Facilities	*Ln46d x Ln47*	357CS	$	39.16
e. Facilities	*Ln46e x Ln47*	4C	$	136.94
f. Facilities	*Ln46f x Ln47*	845C	$	1.37
g. Facilities	*Ln46g x Ln47*	85C	$	128.92
49. ISDN Lines	*Ln6*			13,419
50. Investment per ISDN Line				
a. Termination	*Ln48a / Ln49*	357C	$	0.0070
b. Termination	*Ln48b / Ln49*	357CS	$	0.0025
c. Facilities	*Ln48c / Ln49*	357C	$	0.0007
d. Facilities	*Ln48d / Ln49*	357CS	$	0.0029
e. Facilities	*Ln48e / Ln49*	4C	$	0.0102
f. Facilities	*Ln48f / Ln49*	845C	$	0.0001
g. Facilities	*Ln48g / Ln49*	85C	$	0.0096

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X.75 LINK

SUMMARY

51. Investment by Element per ISDN Line				
a. ISDN Equipped End Office	*Ln24*	377C	$	31.0951
b. ISDN End Office to DACS	*Ln27a*	357C	$	3.5677
c. ISDN End Office to DACS	*Ln27b*	357CS	$	1.2843
d. ISDN End Office to DACS	*Ln27c*	357C	$	0.0834
e. ISDN End Office to DACS	*Ln27d*	357CS	$	0.3278
f. ISDN End Office to DACS	*Ln27e*	4C	$	1.1465
g. ISDN End Office to DACS	*Ln27f*	845C	$	0.0115
h. ISDN End Office to DACS	*Ln27g*	85C	$	1.0794
i. DACS	*Ln32*	377C	$	1.6485
j. Packet Switch Incoming Ports	*Ln37*	377C	$	7.8914
k. Packet Switch Outgoing Trunk Ports	*Ln45*	377C	$	1.5783
l. Inter Packet Switch Links	*Ln50a*	357C	$	0.0070
m. Inter Packet Switch Links	*Ln50b*	357CS	$	0.0025
n. Inter Packet Switch Links	*Ln50c*	357C	$	0.0007
o. Inter Packet Switch Links	*Ln50d*	357CS	$	0.0029
p. Inter Packet Switch Links	*Ln50e*	4C	$	0.0102
q. Inter Packet Switch Links	*Ln50f*	845C	$	0.0001
r. Inter Packet Switch Links	*Ln50g*	85C	$	0.0096
52. Investment by Account per ISDN Line	*Ln51a+Ln51i+Ln51j+Ln51k*	377C	$	42.2133
	Ln51b+Ln51d+Ln51l+Ln51n	357C	$	3.6588
	Ln51c+Ln51e+Ln51m+Ln51o	357CS	$	1.6176
	Ln51f+Ln51p	4C	$	1.1567
	Ln51g+Ln51q	845C	$	0.0116
	Ln51h+Ln51r	85C	$	1.0890

Section C - Line and Trunk Ports
DS0 Trunk Investment Dev

		DS0 Analog Trunk Port		
		Arizona		
Compliance Phase IIa 1/31/03 8:33:20 AM				
		Source		
1)	DS1 Trunk Port Investment	*sC p17 E5*	2306.42	
2)	DS1 - DS0 Multiplexing	*sE p9 E23*	8907.5698	
3)	Sub-total	*L1 + L2*	11213.99	
4)	DS0 per DS1	*industry standard*	24	
5)	DS0 Investment	*L3 / L4*	467.24958	
6)	Utilization Factor		73%	
7)	DS0 Investment	*L5 / L6*	638.05759	

Section C - Line and Trunk Ports
DID PBX Investment Development

DIRECT INWARD DIALING (DID/PBX TRUNK SERVICE)					
Arizona					
Compliance Phase IIa 1/31/03 8:33:20 AM					
Conersion of DS1 Investments to DS0					
Multiplexer (Required for analog port)					
	1	Investment for DS1 to DS0 Multiplexer	*sE p9 E23*	$ 8,907.57	
	2	DS0 Channel Capacity of Multiplexer		24	
	3	Investment per DS0 Channel	*Ln1 / Ln2*	$ 371.15	
	4	% Analog Ports	*Dec 2000 in-service*	0.18%	
	5	Investment per DS0 Channel	*Ln4 X Ln3*	$ 0.66	257C
MDF (Required for analog port)					
	6	MDF Investment	*sD p10 B17*	$ 29.10	
	7	% Analog Ports	*Ln12*	0.18%	
	8	Investment per DS0 Channel	*Ln7 X Ln6*	$ 0.05	377C
DSX-1 Panel					
	9	Investment for DSX-1 Cross-Connect Panel	*DID Functionality and Processing Cost Study - Feb 1999*	$ 15.63	
	10	DS0 Channel Capacity of DSX-1 Panel	-	24	
	11	Investment per DS0 Channel	*Ln9 / Ln10*	$ 0.65	377C

Section C - Line and Trunk Ports
SM Port Feature Output

	A	B	C	D	E
1	Arizona		Direct - Category 1	Direct - Category 2	Total
2	Compliance Phase IIa 1/31/03 8:33:20 AM				
3	**LIS Analog Port**	377C	50.11	0.64	50.75
4					
5	**DS1 Trunk Port**	377C	2253.15	53.27	2306.42
6					
7	**ISDN BRI Port**				
8	Nonintegrated BRI w/o Packet	377C	168.1833	2.497539	170.680839
9	D Channel- Port Ltd. Packet Switch	377C	48.94565	0	48.94565
10	Total				219.626489
11					
12	**ISDN BRI Features**				
13	D Inter Switch Packet - Port Ltd. PS	377C	2.670383	2.168063	4.838446
14	Nonintegrated Switched Packet Call Setup (SW1 Only)	377C	0.066279	0	0.066279
15	Calling Number Delivery Blocking - Per Line	377C	0.002235	0.160339	0.162574
16	Analog Call Appearance	377C	6.367105	0	6.367105
17	Total				17.801509
18					
19					
20	**ISDN PRI Port**				
21	Direct Inward Dialing (Incoming) (PRI)	377C	108.0421	10.95767	118.99977
22	Direct Outward Dialing (Dial 9) Incoming (PRI)	377C	108.0672	11.02177	119.08897
23	**23B+D**				
24	PRI w/o Packet (23B+D)	377C	8834.466	114.7672	8949.2332
25	Multiline Hunt - Circular	377C	8.391216	0.462874	8.85409
26	Total 23B+D				8958.08729
27					
28					
29	**DID/PBX Trunk Port**				
30	TRUNKSIDE Digital Facility Termination (DS0)	377C	114.7424	2.614349	117.356749
31	BASIC CENTRON Direct Inward Dialing	377C	16.8585	0.488237	17.346737

Section D - Local Traffic
Local-Develop Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Factor Value [AP p1 cB]	Local Switching UNE per Minute of Use	Tandem Switching UNE per Minute of Use	Local Switching LIS per Minute of Use	Tandem Switching LIS per Minute of Use	Local Usage Costs Tandem Switched Local Transport Fixed per Minute of Use 0 to 8 Miles	Fixed per Minute of Use 8 to 25 Miles	Fixed per Minute of Use 25 to 50 Miles	Fixed per Minute of Use Over 50 Miles	Distance Sensitive per Minute of Use from 0 to 8 miles	Distance Sensitive per Minute of Use from 8 to 25 miles	Distance Sensitive per Minute of Use from 25 to 50 miles	Distance Sensitive per Minute of Use over 50 miles
		A	B	C	D	E	F	G	H	I	J	K	L	M
1	Investment	sD p2-4 cD	0.0076660	0.006957347	0.0058438	0.00560839	0.00162551	0.00165635	0.00159733	0.0015437	0.0001649	0.0000906	0.0000463	0.0000165
2														
3	Investment Based Costs (IBC)	sD p2-4 cJ	0.0015823	0.0014373	0.0012030	0.0011462	0.0003290	0.0003352	0.0003233	0.0003125	0.0000309	0.0000153	0.0000079	0.0000028
4	Element Specific Expenses		0.0002930	0.0002770	0.0003430									
5	*Total IBC + Element Specific Expenses*		0.0018753	0.0017143	0.0015460	0.0011462	0.0003290	0.0003352	0.0003233	0.0003125	0.0000309	0.0000153	0.0000079	0.0000028
6														
7	*Directly Assigned*													
8	Product Management Expense	0.03428	0.0000643	0.0000588	0.0000530	0.0000393	0.0000113	0.0000115	0.0000111	0.0000107	0.0000011	0.0000005	0.0000003	0.0000001
9	Sales Expense	0.01133	0.0000213	0.0000194	0.0000175	0.0000130	0.0000037	0.0000038	0.0000037	0.0000035	0.0000004	0.0000002	0.0000001	0.0000000
10	Product Advertising Expense	0.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
11	Business Fees (Other Operating Taxes)	0.00185	0.0000036	0.0000033	0.0000030	0.0000022	0.0000006	0.0000006	0.0000006	0.0000006	0.0000001	0.0000000	0.0000000	0.0000000
12	*Directly Assigned Costs*		0.0000892	0.0000815	0.0000735	0.0000545	0.0000156	0.0000159	0.0000154	0.0000149	0.0000015	0.0000007	0.0000004	0.0000001
13														
14	*Total Direct*		0.0019644	0.0017958	0.0016195	0.0012007	0.0003447	0.0003512	0.0003387	0.0003273	0.0000324	0.0000160	0.0000083	0.0000030
15														
16	*Directly Attributed*													
17	Network Operations	0.05029	0.0000988	0.0000903	0.0000814	0.0000604	0.0000173	0.0000177	0.0000170	0.0000165	0.0000016	0.0000008	0.0000004	0.0000001
18	Network Support Assets	0.01538	0.0000302	0.0000276	0.0000249	0.0000185	0.0000053	0.0000054	0.0000052	0.0000050	0.0000005	0.0000002	0.0000001	0.0000000
19	General Support Assets	0.08064	0.0001584	0.0001448	0.0001306	0.0000968	0.0000278	0.0000283	0.0000273	0.0000264	0.0000026	0.0000013	0.0000007	0.0000002
20	General Purpose Computers	0.03644	0.0000716	0.0000654	0.0000590	0.0000437	0.0000126	0.0000128	0.0000123	0.0000119	0.0000012	0.0000006	0.0000003	0.0000001
21	Uncollectible - Interconnect	0.00102	0.0000020	0.0000018	0.0000016	0.0000012	0.0000004	0.0000004	0.0000003	0.0000003	0.0000000	0.0000000	0.0000000	0.0000000
22	Accounting and Finance Expense	0.00752	0.0000148	0.0000135	0.0000122	0.0000090	0.0000026	0.0000026	0.0000025	0.0000025	0.0000002	0.0000001	0.0000001	0.0000000
23	Human Resources Expense	0.00726	0.0000143	0.0000130	0.0000118	0.0000087	0.0000025	0.0000026	0.0000025	0.0000024	0.0000002	0.0000001	0.0000001	0.0000000
24	Information Management Expense	0.05157	0.0001013	0.0000926	0.0000835	0.0000619	0.0000178	0.0000181	0.0000175	0.0000169	0.0000017	0.0000008	0.0000004	0.0000002
25	Intangibles	0.00252	0.0000049	0.0000045	0.0000041	0.0000030	0.0000009	0.0000009	0.0000009	0.0000008	0.0000001	0.0000000	0.0000000	0.0000000
26	*Total Directly Attributed Costs*		0.0004963	0.0004537	0.0004091	0.0003033	0.0000871	0.0000887	0.0000856	0.0000827	0.0000082	0.0000041	0.0000021	0.0000007
27														
28	*Total Element Long Run Incremental Costs*		0.0024607	0.0022495	0.0020287	0.0015040	0.0004317	0.0004399	0.0004242	0.0004100	0.0000405	0.0000201	0.0000104	0.0000037
29														
30	*Common*													
31	Executive Expense	0.00579	0.0000142	0.0000130	0.0000117	0.0000087	0.0000025	0.0000025	0.0000025	0.0000024	0.0000002	0.0000001	0.0000001	0.0000000
32	Planning Expense	0.00050	0.0000012	0.0000011	0.0000010	0.0000007	0.0000002	0.0000002	0.0000002	0.0000002	0.0000000	0.0000000	0.0000000	0.0000000
33	External Relations Expense	0.00817	0.0000201	0.0000184	0.0000166	0.0000123	0.0000035	0.0000036	0.0000035	0.0000033	0.0000003	0.0000002	0.0000001	0.0000000
34	Legal Expense	0.00535	0.0000132	0.0000120	0.0000109	0.0000080	0.0000023	0.0000024	0.0000023	0.0000022	0.0000002	0.0000001	0.0000001	0.0000000
35	Other Procurement Expense	0.00203	0.0000050	0.0000046	0.0000041	0.0000030	0.0000009	0.0000009	0.0000009	0.0000008	0.0000001	0.0000000	0.0000000	0.0000000
36	Research and Development Expense	0.00003	0.0000001	0.0000001	0.0000001	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
37	Other General and Admin Exp	0.01578	0.0000388	0.0000355	0.0000320	0.0000237	0.0000068	0.0000069	0.0000067	0.0000065	0.0000006	0.0000003	0.0000002	0.0000001
38	*Total Common Costs*		0.0000926	0.0000847	0.0000764	0.0000566	0.0000163	0.0000166	0.0000160	0.0000154	0.0000015	0.0000008	0.0000004	0.0000001
39														
40	*TELRIC + Common*		0.0025533	0.0023342	0.0021051	0.0015606	0.0004480	0.0004565	0.0004402	0.0004255	0.0000421	0.0000208	0.0000107	0.0000039

c = column, r = row, s = section, p = page, AP = Appendix

Section D - Local Traffic
Local - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						Local Usage				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
4	**Local Switching (UNE)**										
5	2111	20C	Land	0.0000257	0.0000000	0.0000024	0.0000010	0.0000003	0.0000012		0.0000049
6	2121	110C	Building	0.0002981	0.0000089	0.0000204	0.0000084	0.0000041	0.0000141		0.0000558
7	2124	361C	General Purpose Comp.	0.0002102	0.0000412	0.0000095	0.0000039	0.0000029	0.0000000		0.0000575
8	2212	377C	Digital Switch	0.0071320	0.0007433	0.0002994	0.0001237	0.0000971	0.0002005	0.0000000	0.0014641
9			Total	0.0076660	0.0007934	0.0003316	0.0001371	0.0001044	0.0002158	0.0000000	0.0015823
10	**Tandem Switching (UNE)**										
11	2111	20C	Land	0.0000232	0.0000000	0.0000021	0.0000009	0.0000003	0.0000011		0.0000044
12	2121	110C	Building	0.0002698	0.0000080	0.0000184	0.0000076	0.0000037	0.0000127		0.0000505
13	2124	361C	General Purpose Comp.	0.0002102	0.0000412	0.0000095	0.0000039	0.0000029	0.0000000		0.0000575
14	2212	377C	Digital Switch	0.0064541	0.0006726	0.0002710	0.0001120	0.0000879	0.0001814	0.0000000	0.0013249
15			Total	0.0069573	0.0007219	0.0003010	0.0001244	0.0000948	0.0001953	0.0000000	0.0014373
16	**Local Switching (LIS)**										
17	2111	20C	Land	0.0000185	0.0000000	0.0000017	0.0000007	0.0000003	0.0000009		0.0000035
18	2121	110C	Building	0.0002151	0.0000064	0.0000147	0.0000061	0.0000029	0.0000101		0.0000403
19	2124	361C	General Purpose Comp.	0.0001110	0.0000218	0.0000050	0.0000021	0.0000015	0.0000000		0.0000304
20	2212	377C	Digital Switch (No RTU)	0.0003540	0.0000369	0.0000149	0.0000061	0.0000048	0.0000100		0.0000727
21	2212	377C	Digital Switch	0.0051452	0.0005362	0.0002160	0.0000893	0.0000701	0.0001446	0.0000000	0.0010562
22			Total	0.0058438	0.0006013	0.0002523	0.0001043	0.0000796	0.0001656	0.0000000	0.0012030
23	**Tandem Switching (LIS)**										
24	2111	20C	Land	0.0000179	0.0000000	0.0000016	0.0000007	0.0000002	0.0000008		0.0000034
25	2121	110C	Building	0.0002698	0.0000080	0.0000184	0.0000076	0.0000037	0.0000127		0.0000505
26	2212	377C	Digital Switch (No RTU)	0.0003540	0.0000369	0.0000149	0.0000061	0.0000048	0.0000100		0.0000727
27	2212	377C	Digital Switch	0.0049667	0.0005176	0.0002085	0.0000862	0.0000676	0.0001396	0.0000000	0.0010196
28			Total	0.0056084	0.0005626	0.0002435	0.0001006	0.0000764	0.0001631	0.0000000	0.0011462
29	**Fixed per MOU**										
30	**OVER 0 TO 8**										
31	2111	20C	Land	0.0000054	0.0000000	0.0000005	0.0000002	0.0000001	0.0000003		0.0000010
32	2121	110C	Building	0.0000635	0.0000019	0.0000043	0.0000018	0.0000009	0.0000030		0.0000119
33	2232.3	357C	Other Digital Equipment	0.0011615	0.0001256	0.0000489	0.0000202	0.0000158	0.0000254		0.0002360
34	2233.3	357CS	Other Digital Equipment	0.0003951	0.0000427	0.0000166	0.0000069	0.0000054	0.0000085		0.0000801
35			Total	0.0016255	0.0001703	0.0000704	0.0000291	0.0000221	0.0000372	0.0000000	0.0003290
36	**OVER 8 TO 25**										
37	2111	20C	Land	0.0000056	0.0000000	0.0000005	0.0000002	0.0000001	0.0000003		0.0000011
38	2121	110C	Building	0.0000647	0.0000019	0.0000044	0.0000018	0.0000009	0.0000031		0.0000121
39	2232.3	357C	Other Digital Equipment	0.0011624	0.0001257	0.0000489	0.0000202	0.0000158	0.0000255		0.0002362
40	2233.3	357CS	Other Digital Equipment	0.0004237	0.0000458	0.0000178	0.0000074	0.0000058	0.0000091		0.0000859
41			Total	0.0016564	0.0001735	0.0000717	0.0000296	0.0000226	0.0000379	0.0000000	0.0003352

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						Local Usage				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
42	OVER 25 TO 50										
43	2111	20C	Land	0.0000054	0.0000000	0.0000005	0.0000002	0.0000001	0.0000003		0.0000010
44	2121	110C	Building	0.0000624	0.0000019	0.0000043	0.0000018	0.0000009	0.0000029		0.0000117
45	2232.3	357C	Other Digital Equipment	0.0011607	0.0001255	0.0000489	0.0000202	0.0000158	0.0000254		0.0002358
46	2233.3	357CS	Other Digital Equipment	0.0003689	0.0000399	0.0000155	0.0000064	0.0000050	0.0000079		0.0000748
47			Total	0.0015973	0.0001673	0.0000691	0.0000286	0.0000218	0.0000365	0.0000000	0.0003233
48	OVER 50										
49	2111	20C	Land	0.0000052	0.0000000	0.0000005	0.0000002	0.0000001	0.0000002		0.0000010
50	2121	110C	Building	0.0000603	0.0000018	0.0000041	0.0000017	0.0000008	0.0000028		0.0000113
51	2232.3	357C	Other Digital Equipment	0.0011590	0.0001254	0.0000488	0.0000202	0.0000158	0.0000254		0.0002355
52	2233.3	357CS	Other Digital Equipment	0.0003192	0.0000345	0.0000134	0.0000056	0.0000043	0.0000069		0.0000647
53			Total	0.0015437	0.0001617	0.0000668	0.0000276	0.0000210	0.0000353	0.0000000	0.0003125
54	Distance Sensitive per MOU Per Airline Mile										
55	OVER 0 TO 8										
56	2111	20C	Land	0.0000001	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
57	2121	110C	Building	0.0000012	0.0000000	0.0000001	0.0000000		0.0000001		0.0000002
58	2232.3	357C	Other Digital Equipment	0.0000012	0.0000001	0.0000001	0.0000000	0.0000000	0.0000000		0.0000002
59	2233.3	357CS	Other Digital Equipment	0.0000292	0.0000032	0.0000012	0.0000005	0.0000004	0.0000006		0.0000059
60	2422.12,.22	85C	UG Cbl Nonmetallic	0.0000639	0.0000058	0.0000036	0.0000015	0.0000009	0.0000012		0.0000129
61	2423.12,.22	845C	Buried Cbl Nonmetallic	0.0000632	0.0000042	0.0000034	0.0000014	0.0000009	0.0000010		0.0000109
62	2441	4C	Conduit System	0.0000061	0.0000001	0.0000004	0.0000001	0.0000001	0.0000000		0.0000008
63			Total	0.0001649	0.0000134	0.0000087	0.0000036	0.0000022	0.0000029	0.0000000	0.0000309
64	OVER 8 TO 25										
65	2111	20C	Land	0.0000001	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
66	2121	110C	Building	0.0000006	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000001
67	2232.3	357C	Other Digital Equipment	0.0000010	0.0000001	0.0000000	0.0000000	0.0000000	0.0000000		0.0000002
68	2233.3	357CS	Other Digital Equipment	0.0000147	0.0000016	0.0000006	0.0000003	0.0000002	0.0000003		0.0000030
69	2422.12,.22	85C	UG Cbl Nonmetallic	0.0000351	0.0000032	0.0000020	0.0000008	0.0000005	0.0000006		0.0000071
70	2423.12,.22	845C	Buried Cbl Nonmetallic	0.0000018	0.0000001	0.0000001	0.0000000	0.0000000	0.0000000		0.0000003
71	2441	4C	Conduit System	0.0000373	0.0000008	0.0000022	0.0000009	0.0000005	0.0000002		0.0000046
72			Total	0.0000906	0.0000058	0.0000049	0.0000020	0.0000012	0.0000012	0.0000000	0.0000153

Section D - Local Traffic
Local - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						Local Usage				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
73	OVER 25 TO 50										
74	2111	20C	Land	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
75	2121	110C	Building	0.0000004	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000001
76	2232.3	357C	Other Digital Equipment	0.0000004	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000001
77	2233.3	357CS	Other Digital Equipment	0.0000090	0.0000010	0.0000004	0.0000002	0.0000001	0.0000002		0.0000018
78	2422.12,.22	85C	UG Cbl Nonmetallic	0.0000166	0.0000015	0.0000009	0.0000004	0.0000002	0.0000003		0.0000033
79	2423.12,.22	845C	Buried Cbl Nonmetallic	0.0000023	0.0000002	0.0000001	0.0000001	0.0000000	0.0000000		0.0000004
80	2441	4C	Conduit System	0.0000176	0.0000004	0.0000010	0.0000004	0.0000002	0.0000001		0.0000022
81			Total	0.0000463	0.0000031	0.0000025	0.0000010	0.0000006	0.0000007	0.0000000	0.0000079
82	OVER 50										
83	2111	20C	Land	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
84	2121	110C	Building	0.0000002	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
85	2232.3	357C	Other Digital Equipment	0.0000003	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000001
86	2233.3	357CS	Other Digital Equipment	0.0000037	0.0000004	0.0000002	0.0000001	0.0000001	0.0000001		0.0000008
87	2422.12,.22	85C	UG Cbl Nonmetallic	0.0000059	0.0000005	0.0000003	0.0000001	0.0000001	0.0000001		0.0000012
88	2423.12,.22	845C	Buried Cbl Nonmetallic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.0000000
89	2441	4C	Conduit System	0.0000063	0.0000001	0.0000004	0.0000002	0.0000001	0.0000000		0.0000008
90			Total	0.0000165	0.0000011	0.0000009	0.0000004	0.0000002	0.0000002	0.0000000	0.0000028
91	Investment Sources										
92	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS) Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)										
93	Computer = sD p5 E7, LS UNE 377C = sD p7 K12+K14+K15, LS LIS 377C = sD p8 K12, Tandem UNE 377C = sD p7 M28+M29, Tandem LIS 377C = sD p8 M27										
94	Fixed and distance sensitive = sD p12 cH										

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2			**Local Interconnection Usage**			
3			**Arizona**			
4	**Description**	**Default Source**	**Default Value**	**Overrides**	**This Run**	**Instructions**
5				AP p15		
6	Average Hold Time	sD p13 cD	2.943722		2.943722	Enter average hold time in minutes.
7	Billing and Collection Investment	AP p10 F9	0.000111		0.000111	Enter investment per MOU required for B&C
8	Billing and Collection Direct Expenses	sD p7 I40	0.000277		0.000277	Enter direct labor expenses associated with B & C per MOU
9	Intercept Direct Expenses	sD p7 I42	0.000016		0.000016	Enter direct expenses for non chargeable intercept per MOU
10	HP Measurement Investments	sD p8 G43	0.000354		0.000354	Enter measurement equipment investment per MOU
11	HP Measurement Expenses	sD p8 I43	0.000050		0.000050	Enter measurement direct expenses per MOU
12	AMA Investment	sD p7 I44	0.003616		0.003616	Enter AMA Measurement Investment per completed call
13						
14	This Run equals Default Value if Overrides is empty					
15	s = section					
16	p = page					
17	c = column					
18	r = row					
19	Upper Case letter with number indicates a cell location, i.e. G40					
20	The spreadsheet shows the Override data entered by the user in ICM's custom input screens. If the					
21	user has input override data, the spreadsheet will determine this and display the override data in the					
22	Overrides column. The this run column will show the Override or the Default Value if no override					
23	has been entered.					
24						

Cell: A9
Comment: NON CHARGABLE INTERCEPT

Description

Non chargable Intercept service provides explanatory information to callers dialing changed or disconnected telephone numbers. The intercept messages are delivered mechanically. The results of the Intercept study are used in the usage portion of other studies (Basic Exchange, Local Interconnection, Toll, etc.).

Investment Development

The 1996 USWC Non Chargeable Intercept expenses were divided by USWC total annual messages and/or conversation minutes to develop the 1996 USWC Non Chargeable Intercept costs per message and per minute. The expenses included costs related to intercept equipment, facilities, transport, and local switching.

The 1989 switch investment and software Right-to-Use (RTU) expense were projected to a 1996 level using Telephone Plant Index (TPI) factors.

The 1989 Intercept database investment and software Right-to Use (RTU) expense were projected to a 1996 level using TPI factors. The 1989 Intercept database hardware maintenance and software support were assumed to remain constant through 1996.

The 1991 facilities investments were projected to a 1996 level using the appropriate TPI factor. The USWC transport and local switching costs were developed at a 1996 level. The USWC total annual messages and conversation minutes are from the 1996 USWC Switching Usage Model.

The 1996 Intercept expense per minute of use was input to USWICM where it was TPI'ed to a 1998 level.

USWC Cost Models Used

SCM
Transport Model

Additional Spreadsheets Used

See the Non Chargable Intercept Study for Excel spreadsheets

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Mapping of Switching Module Investment Output to Investments for Unbundled Network Elements

END OFFICE SWITCHING

	CALL SET-UP INVESTMENTS			MINUTE INVESTMENTS			TOTAL
	Unit Set-Up Investment per Call	Average Hold Time per Call	Unit Set-Up Investment per Minute	Unit Investment per Conv. Minute	Conversation to Billed Ratio	Unit Investment per Billed Minute	Total Investment per Minute
All Times of Day	A	B	C=A/B	D	E	F=DxE	G=C+F
	sD p11 cC	sD p6 E6		sD p11 cB			
End Office Switching - Originating Interoffice	$.007095	2.94	$.002410	$.003606	1.0000	$.003606	$.006016
End Office Switching - Terminating Interoffice	$.006588	2.94	$.002238	$.003606	1.0000	$.003606	$.005844
End Office Switching - Average Interoffice	$.006842	2.94	$.002324	$.003606	1.0000	$.003606	$.005930
End Office Measurement [sD p11 C14]	$.000175	2.94	$.000059				$.000059
AMA Measurement [sD p6 E12]	$.003616	2.94	$.001229				$.001229
Polling [G46]	$.000292	2.94	$.000099				$.000099

Notes:

TANDEM SWITCHING

	CALL SET-UP INVESTMENTS			MINUTE INVESTMENTS			TOTAL INVESTMENTS		
	Unit Set-Up Investment per Call	Average Hold Time per Call	Unit Set-Up Investment per Minute	Unit Investment per Conv. Minute	Conversation to Billed Ratio	Unit Investment per Billed Minute	Total Unit Investment per Billed Minute	Units Required	Total Investment per Billed Minute
	A	B	C=A/B	D	E	F=DxE	G=C+F	H	I=GxH
				sD p10 B16					
Tandem Switching - Interoffice Set up [sD p10 C15]	$.009663	2.94	$.003283	$.001943	1.0000	$.001943	$.005226	1.0000	$.005226
AMA Measurement [sD p5 E12]	$.003616	2.94	$.001229						$.001229
Polling [G45]	$.000292	2.94	$.000099						$.000099

Notes:

Column H is the average number of Tandems required to switch a Local Interconnection call

Other Expenses and Investments

Description	FRC	Investments/MOU	Investment Overrides	Direct Expense/MOU	Expense Overrides
		Total			
		AP p10 F9	sD p5 cD	AP p10 F10	sD p5 cD
Billing and Collection	361C	0.000111		0.000277	
				Intercept Study	
Intercept	117C			0.000016	
		Investments/Completed call (from Poll99.xls)			
AMA Measurement per completed call	377C	0.003616			
Polling	361C	0.000292			
Total				0.000293	
				I40+I42+I44+I45	

Compliance Phase IIa 1/31/03 8:33:20 AM

Mapping of Switching Module Investment Output to Investments for Local Interconnection Service

END OFFICE SWITCHING

	CALL SET-UP INVESTMENTS			MINUTE INVESTMENTS			TOTAL
	Unit Set-Up Investment per Call	Average Hold Time per Call	Unit Set-Up Investment per Minute	Unit Investment per Conv. Minute	Conversation to Billed Ratio	Unit Investment per Billed Minute	Total Investment per Minute
All Times of Day	A	B	C=A/B	D	E	F=DxE	G=C+F
	sD p10 cD	sD p5 E6		sD p10 cB			
End Office Switching - Originating Interoffice	$.004923	2.94	$.001672	$.003606	1.0000	$.003606	$.005278
End Office Switching - Terminating Interoffice	$.004531	2.94	$.001539	$.003606	1.0000	$.003606	$.005145
End Office Switching - Average Interoffice	$.004727	2.94	$.001606	$.003606	1.0000	$.003606	$.005212

TANDEM SWITCHING

	CALL SET-UP INVESTMENTS			MINUTE INVESTMENTS			TOTAL INVESTMENTS		
	Unit Set-Up Investment per Call	Average Hold Time per Call	Unit Set-Up Investment per Minute	Unit Investment per Conv. Minute	Conversation to Billed Ratio	Unit Investment per Billed Minute	Total Unit Investment per Billed Minute	Units Required	Total Investment per Billed Minute
	A	B	C=A/B	D	E	F=DxE	G=C+F	H	I=GxH
	sD p10 C15	sD p5 E6		sD p10 B16					
Tandem Switching - Interoffice Set up	$.008901	2.94	$.003024	$.001943	1.0000	$.001943	$.004967	1.0000	$.004967

Notes:

Column H is the average number of Tandems required to switch a Local Interconnection call

Other Expenses and Investments

Description	FRC	Investments/MOU Direct	Investments/MOU Shared	Total	Investment Overrides	Direct Expense/MOU	Expense Overrides
				AP p10 F9	sD p5 cD	AP p10 F10	sD p5 cD
Billing and Collection	361C			0.000111		0.000277	
						From Intercept Study	
Intercept	117C					0.000016	
				From HP Study			
HP Measurement	377C	0.000354	0.000000	0.000354		0.000050	
Total						0.000343	

2/4/03

Mapping of Transport Module Invvestment Output to Investment for Local Interconnection Service

All Times of Day

	FACILITIES				TERMINATIONS				
	Variable				Fixed				
FRC	Set-Up Inv. per Call per Mile	per Minute Inv. per Mile	Average Hold Time per Call	Inv. per Minute of Use per Mile	Set-Up Inv. per Call	per Minute Inv.	Average Hold Time per Call	Number of Termination Locations	Inv. per Minute of Use
	A	B	C	D=(A/C)+B	E	F	G	H	I=((E/G)+F)xH
OVER 0 TO 8									
357C	$.00000025	$.00000111	2.94	$.00000119	$.00012164	$.00053943	2.94	2.00	$.00116150
357CS	$.00000611	$.00002711	2.94	$.00002919	$.00004137	$.00018347	2.94	2.00	$.00039506
4C	$.00001422	$.00000127	2.94	$.00000610					
845C	$.00000029	$.00006307	2.94	$.00006317					
85C	$.00001339	$.00005938	2.94	$.00006393					
OVER 8 TO 25									
357C	$.00000021	$.00000091	2.94	$.00000098	$.00012174	$.00053985	2.94	2.00	$.00116241
357CS	$.00000309	$.00001370	2.94	$.00001475	$.00004437	$.00019676	2.94	2.00	$.00042367
4C	$.00000781	$.00003463	2.94	$.00003729					
845C	$.00000037	$.00000164	2.94	$.00000177					
85C	$.00000735	$.00003261	2.94	$.00003510					
OVER 25 TO 50									
357C	$.00000007	$.00000033	2.94	$.00000036	$.00012155	$.00053905	2.94	2.00	$.00116068
357CS	$.00000188	$.00000835	2.94	$.00000899	$.00003863	$.00017132	2.94	2.00	$.00036889
4C	$.00000369	$.00001635	2.94	$.00001760		-			
845C	$.00000049	$.00000215	2.94	$.00000232					
85C	$.00000347	$.00001539	2.94	$.00001657					
OVER 50									
357C	$.00000007	$.00000030	2.94	$.00000032	$.00012138	$.00053827	2.94	2.00	$.00115901
357CS	$.00000078	$.00000346	2.94	$.00000372	$.00003343	$.00014825	2.94	2.00	$.00031921
4C	$.00000132	$.00000587	2.94	$.00000632					
845C	$.00000000	$.00000000	2.94	$.00000000					
85C	$.00000125	$.00000552	2.94	$.00000595					
Average									
357C	$.00000021	$.00000092	2.94	$.00000099	$.00012168	$.00053960	2.94	2.00	$.00116188
357CS	$.00000402	$.00001783	2.94	$.00001920	$.00004260	$.00018892	2.94	2.00	$.00040678
4C	$.00000962	$.00004267	2.94	$.00004594					
845C	$.00000034	$.00000152	2.94	$.00000163					
85C	$.00000906	$.00004017	2.94	$.00004325					

Notes:

Columns A, B, E and F are from sD p13, DS0 Switched TM Output spreadsheet
Columns C and G are from sD p6, Usage Form.
Column H accounts for one each Termination located in End Office and Tandem

	A	B	C	D
1	Compliance Phase IIa 1/31/03 8:33:20 AM			
2	Switching Module Usage Outputs			
3	Arizona	**Total Investments**		
4	**Investment Description**	**Generic With & WO SS7**	**With SS7**	**Without SS7**
5	**Switching Investment Totals**	Sum of TSLRI and Shared cB r21:r65		
6	End Office Switching - Intraoffice Set up [IAO MSGS]	0.005658		
7	End Office Switching - Intraoffice Conversation Minute [IAO MINS]	0.004685		
8	End Office Switching - Originating Interoffice Set up [IEO ORIG MSGS]		0.007095	0.004923
9	End Office Switching - Originating Interoffice Conversation Minute [IEO ORIG MINS]	0.003606		
10	End Office Switching - Terminating Interoffice Set up [IEO TERM MSGS]		0.006588	0.004531
11	End Office Switching - Terminating Interoffice Conversation Minute [IEO TERM MINS]	0.003606		
12	End Office Switching - Average Interoffice Set up [IEO MSG]		0.006842	0.004727
13	End Office Switching - Average Interoffice Conversation Minute [IEO MINS]	0.003606		
14	End Office Measurement - Interoffice Set up [MEAS MSGS]	0.000175		
15	Tandem Switching - Interoffice Set up [TANDEM MSGS]		0.009663	0.008901
16	Tandem Switching - Interoffice Conversation Minute [TANDEM MINS]	0.001943		
17	MDF OSP	29.100000		
18				
19	**Investments From Switcing Module**	**With SS7**		
20	SM USAGE	**SCM_Usage**		
21	IAO MSGS TSLRI	0.005057		
22	IAO MSGS SHARED	0.000601		
23	IAO MINS TSLRI	0.004499		
24	IAO MINS SHARED	0.000186		
25	IEO MSGS TSLRI	0.0045		
26	IEO MSGS SHARED	0.002342		
27	IEO MINS TSLRI	0.003502		
28	IEO MINS SHARED	0.000104		
29	IEO ORIG MSGS TSLRI	0.004612		
30	IEO ORIG MSGS SHARED	0.002483		
31	IEO ORIG MINS TSLRI	0.003502		
32	IEO ORIG MINS SHARED	0.000104		
33	IEO TERM MSGS TSLRI	0.004387		
34	IEO TERM MSGS SHARED	0.002201		
35	IEO TERM MINS TSLRI	0.003502		
36	IEO TERM MINS SHARED	0.000104		
37	MEAS MSGS TSLRI	0.000028		
38	MEAS MSGS SHARED	0.000147		
39	MEAS MINS TSLRI	0		
40	MEAS MINS SHARED	0		
41	TANDEM MSGS TSLRI	0.008049		
42	TANDEM MSGS SHARED	0.001614		
43	TANDEM MINS TSLRI	0.001943		
44	TANDEM MINS SHARED	0		
45	Percent IAO MOU (%)	35.34		
46	Investment Weightings (%) Day 8am - 5pm	80.54		
47	Investment Weightings (%) Evening/Night 5pm - 8am	19.46		
48	Usage Weightings (%) Day 8am - 5pm	58.76		
49	Usage Weightings (%) Evening/Night 5pm - 8am	41.24		
50	MDF COE Pair TSLRI	4.1		
51	MDF COE Pair SHARED	0		
52	**Without SS7**			
53	IEO MSGS TSLRI	0.004187		
54	IEO MSGS SHARED	0.00054		
55	IEO ORIG MSGS TSLRI	0.004291		
56	IEO ORIG MSGS SHARED	0.000632		
57	IEO TERM MSGS TSLRI	0.004083		
58	IEO TERM MSGS SHARED	0.000448		
59	TANDEM MSGS TSLRI	0.007844		
60	TANDEM MSGS SHARED	0.001057		
61	**MDF**			
62	MDF OSP Pair TSLRI	28.83		
63	MDF OSP Pair SHARED	0.27		
64				
65				
66	NTS COE TSLRI	49.03		
67	NTS COE Shared	0.84		

Cell: A6
Comment: Total TSLRI and Shared IAO MSGS investments.

Cell: A7
Comment: Total TSLRI and Shared IAO MINS investments.

Cell: A8
Comment: Total TSLRI and Shared IEO ORIG MSGS investments.

Cell: A9
Comment: Total TSLRI and Shared IEO ORIG MINS investments.

Cell: A10
Comment: Total TSLRI and Shared IEO TERM MSGS investments.

Cell: A11
Comment: Total TSLRI and Shared IEO TERM MINS investments.

Cell: A12
Comment: Total TSLRI and Shared IEO MSGS investments.

Cell: A13
Comment: Total TSLRI and Shared IEO MINS investments.

Cell: A14
Comment: Total TSLRI and Shared MEAS MSGS investments.

Cell: A15
Comment: Total TSLRI and Shared TANDEM MSGS investments.

Cell: A16
Comment: Total TSLRI and Shared TANDEM MINS investments.

Cell: A17
Comment: Total TSLRI and Shared MDF OSP investments.

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Arizona

Mileage Band	Type of cost	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment	Range Name
OVER 0 TO 8	CONVERSATION MINUTE	FIXED	357C	0.00053843	0.00000100	0.00053943	TM1
OVER 0 TO 8	CONVERSATION MINUTE	FIXED	357CS	0.00018347	0.00000000	0.00018347	
OVER 0 TO 8	CONVERSATION MINUTE	DISTANCE SENSITIVE	357C	0.00000089	0.00000022	0.00000111	TM2
OVER 0 TO 8	CONVERSATION MINUTE	DISTANCE SENSITIVE	357CS	0.00002711	0.00000000	0.00002711	
OVER 0 TO 8	CONVERSATION MINUTE	DISTANCE SENSITIVE	845C	0.00006307	0.00000000	0.00006307	
OVER 0 TO 8	CONVERSATION MINUTE	DISTANCE SENSITIVE	4C	0.00000085	0.00000042	0.00000127	
OVER 0 TO 8	CONVERSATION MINUTE	DISTANCE SENSITIVE	85C	0.00003978	0.00001960	0.00005938	
OVER 0 TO 8	SETUP TIME	FIXED	357C	0.00012141	0.00000023	0.00012164	TM3
OVER 0 TO 8	SETUP TIME	FIXED	357CS	0.00004137	0.00000000	0.00004137	
OVER 0 TO 8	SETUP TIME	DISTANCE SENSITIVE	357C	0.00000020	0.00000005	0.00000025	TM4
OVER 0 TO 8	SETUP TIME	DISTANCE SENSITIVE	357CS	0.00000611	0.00000000	0.00000611	
OVER 0 TO 8	SETUP TIME	DISTANCE SENSITIVE	4C	0.00001422	0.00000000	0.00001422	
OVER 0 TO 8	SETUP TIME	DISTANCE SENSITIVE	845C	0.00000019	0.00000009	0.00000029	
OVER 0 TO 8	SETUP TIME	DISTANCE SENSITIVE	85C	0.00000897	0.00000442	0.00001339	
OVER 8 TO 25	CONVERSATION MINUTE	FIXED	357C	0.00053871	0.00000114	0.00053985	TM5
OVER 8 TO 25	CONVERSATION MINUTE	FIXED	357CS	0.00019676	0.00000000	0.00019676	
OVER 8 TO 25	CONVERSATION MINUTE	DISTANCE SENSITIVE	357C	0.00000068	0.00000023	0.00000091	TM6
OVER 8 TO 25	CONVERSATION MINUTE	DISTANCE SENSITIVE	357CS	0.00001370	0.00000000	0.00001370	
OVER 8 TO 25	CONVERSATION MINUTE	DISTANCE SENSITIVE	4C	0.00003463	0.00000000	0.00003463	
OVER 8 TO 25	CONVERSATION MINUTE	DISTANCE SENSITIVE	845C	0.00000110	0.00000054	0.00000164	
OVER 8 TO 25	CONVERSATION MINUTE	DISTANCE SENSITIVE	85C	0.00002185	0.00001076	0.00003261	
OVER 8 TO 25	SETUP TIME	FIXED	357C	0.00012148	0.00000026	0.00012174	TM7
OVER 8 TO 25	SETUP TIME	FIXED	357CS	0.00004437	0.00000000	0.00004437	
OVER 8 TO 25	SETUP TIME	DISTANCE SENSITIVE	357C	0.00000015	0.00000005	0.00000021	TM8
OVER 8 TO 25	SETUP TIME	DISTANCE SENSITIVE	357CS	0.00000309	0.00000000	0.00000309	
OVER 8 TO 25	SETUP TIME	DISTANCE SENSITIVE	4C	0.00000781	0.00000000	0.00000781	
OVER 8 TO 25	SETUP TIME	DISTANCE SENSITIVE	845C	0.00000025	0.00000012	0.00000037	
OVER 8 TO 25	SETUP TIME	DISTANCE SENSITIVE	85C	0.00000493	0.00000243	0.00000735	
OVER 25 TO 50	CONVERSATION MINUTE	FIXED	357C	0.00053817	0.00000087	0.00053905	TM9
OVER 25 TO 50	CONVERSATION MINUTE	FIXED	357CS	0.00017132	0.00000000	0.00017132	
OVER 25 TO 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	357C	0.00000027	0.00000007	0.00000033	TM10
OVER 25 TO 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	357CS	0.00000835	0.00000000	0.00000835	
OVER 25 TO 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	4C	0.00001635	0.00000000	0.00001635	
OVER 25 TO 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	845C	0.00000144	0.00000071	0.00000215	
OVER 25 TO 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	85C	0.00001031	0.00000508	0.00001539	
OVER 25 TO 50	SETUP TIME	FIXED	357C	0.00012136	0.00000020	0.00012155	TM11
OVER 25 TO 50	SETUP TIME	FIXED	357CS	0.00003863	0.00000000	0.00003863	
OVER 25 TO 50	SETUP TIME	DISTANCE SENSITIVE	357C	0.00000006	0.00000001	0.00000007	TM12
OVER 25 TO 50	SETUP TIME	DISTANCE SENSITIVE	357CS	0.00000188	0.00000000	0.00000188	
OVER 25 TO 50	SETUP TIME	DISTANCE SENSITIVE	4C	0.00000369	0.00000000	0.00000369	
OVER 25 TO 50	SETUP TIME	DISTANCE SENSITIVE	845C	0.00000033	0.00000016	0.00000049	
OVER 25 TO 50	SETUP TIME	DISTANCE SENSITIVE	85C	0.00000233	0.00000115	0.00000347	
OVER 50	CONVERSATION MINUTE	FIXED	357C	0.00053765	0.00000062	0.00053827	TM13
OVER 50	CONVERSATION MINUTE	FIXED	357CS	0.00014825	0.00000000	0.00014825	
OVER 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	357C	0.00000022	0.00000008	0.00000030	TM14
OVER 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	357CS	0.00000346	0.00000000	0.00000346	
OVER 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	4C	0.00000587	0.00000000	0.00000587	
OVER 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	845C	0.00000000	0.00000000	0.00000000	
OVER 50	CONVERSATION MINUTE	DISTANCE SENSITIVE	85C	0.00000370	0.00000182	0.00000552	
OVER 50	SETUP TIME	FIXED	357C	0.00012124	0.00000014	0.00012138	TM15
OVER 50	SETUP TIME	FIXED	357CS	0.00003343	0.00000000	0.00003343	
OVER 50	SETUP TIME	DISTANCE SENSITIVE	357C	0.00000005	0.00000002	0.00000007	TM16
OVER 50	SETUP TIME	DISTANCE SENSITIVE	357CS	0.00000078	0.00000000	0.00000078	
OVER 50	SETUP TIME	DISTANCE SENSITIVE	4C	0.00000132	0.00000000	0.00000132	
OVER 50	SETUP TIME	DISTANCE SENSITIVE	845C	0.00000000	0.00000000	0.00000000	
OVER 50	SETUP TIME	DISTANCE SENSITIVE	85C	0.00000083	0.00000041	0.00000125	
All	CONVERSATION MINUTE	FIXED	357C	0.00053855	0.00000106	0.00053960	
All	CONVERSATION MINUTE	FIXED	357CS	0.00018892	0.00000000	0.00018892	
All	CONVERSATION MINUTE	DISTANCE SENSITIVE	357C	0.00000071	0.00000021	0.00000092	
All	CONVERSATION MINUTE	DISTANCE SENSITIVE	357CS	0.00001783	0.00000000	0.00001783	
All	CONVERSATION MINUTE	DISTANCE SENSITIVE	4C	0.00004267	0.00000000	0.00004267	
All	CONVERSATION MINUTE	DISTANCE SENSITIVE	845C	0.00000102	0.00000050	0.00000152	
All	CONVERSATION MINUTE	DISTANCE SENSITIVE	85C	0.00002691	0.00001326	0.00004017	
All	SETUP TIME	FIXED	357C	0.00012144	0.00000024	0.00012168	
All	SETUP TIME	FIXED	357CS	0.00004260	0.00000000	0.00004260	
All	SETUP TIME	DISTANCE SENSITIVE	357C	0.00000016	0.00000005	0.00000021	
All	SETUP TIME	DISTANCE SENSITIVE	357CS	0.00000402	0.00000000	0.00000402	
All	SETUP TIME	DISTANCE SENSITIVE	4C	0.00000962	0.00000000	0.00000962	
All	SETUP TIME	DISTANCE SENSITIVE	845C	0.00000023	0.00000011	0.00000034	
All	SETUP TIME	DISTANCE SENSITIVE	85C	0.00000607	0.00000299	0.00000906	

These are investments outputs from the Transport Module.

Section D - Local Traffic
Hold Times

STATE	ORIG & TERM LOCAL MOU	NCTR	ORIG & TERM CONV MOU	O : T	ORIG CONV MOU	LOCAL ATTS	FDO RATIO	FULLY DIALED ATTS	COMP RATIO	COMP LOCAL MSGS	LOCAL ALOC
A	B	C	D=B*(1-C)	E	F=D*E	G	H	I=G*H	J	K=I*J	L=F/K
Arizona	48,598,615,272	0.1338	42,095,649,142	0.5	21,047,824,571	9,095,821,800	0.9471	8,614,545,496	0.83	7,150,072,762	2.94

Section D - Local Traffic
Hold Times

Cell: B2
Comment: Data comes from Separations Office Sample from January - December 1998

Cell: C2
Comment: NCTR is the Non-Conversation Time Ratio which is used to remove minutes of use that occur during dialing and set up.

Cell: E2
Comment: O:T is the ratio of originating to terminating MOUs

Cell: H2
Comment: FDO ratio is used to remove abandoned call attempts that are not completely dialed

Cell: J2
Comment: Completion Ratio is used to remove call attempts that are not completed because the other end never went off hook; such as busy line and no answer.

Section E - Entrance Facilities and Direct Trunked Transport
DS1 - Develop Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	DS1 DS1 Entrance Facility/E-UDIT with Customer Location Electronics	Multiplexing DS1 to DS0	Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
			A	B	C	D	E	F	G	H	I	J	K
1	Investment	sE p9-11 cD Total		3775.53	9302.18	1326.33	74.30	1337.49	61.07	1357.31	108.23	1355.75	56.68
2													
3	Investment Based Costs (IBC)	sE p9-11 cJ Total		62.27964	151.34300	22.37089	1.04203	22.55894	0.84486	22.89275	1.53499	22.86652	0.80103
4	Element Specific Expenses	AP p3 F41*r3		0.26805	0.65138	0.09628	0.00448	0.09709	0.00364	0.09853	0.00661	0.09842	0.00345
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		62.54769	151.99438	22.46717	1.04651	22.65603	0.84850	22.99128	1.54159	22.96494	0.80448
6													
7	*Directly Assigned*												
8	Product Management Expense	cA*r5	0.03428	2.14420	5.21052	0.77020	0.03588	0.77667	0.02909	0.78816	0.05285	0.78726	0.02758
9	Sales Expense	cA*r5	0.01133	0.70885	1.72255	0.25462	0.01186	0.25676	0.00962	0.26056	0.01747	0.26026	0.00912
10	Product Advertising Expense	cA*r5	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.12086	0.29370	0.04341	0.00202	0.04378	0.00164	0.04443	0.00298	0.04438	0.00155
12	*Directly Assigned Costs*	*Sum r8:r11*		2.97391	7.22677	1.06823	0.04976	1.07721	0.04034	1.09315	0.07330	1.09190	0.03825
13													
14	*Total Direct*	*r5 + r12*		65.52160	159.22115	23.53540	1.09627	23.73325	0.88884	24.08444	1.61489	24.05683	0.84273
15													
16	*Directly Attributed*												
17	Network Operations	cA*r14	0.05029	3.29502	8.00707	1.18357	0.05513	1.19352	0.04470	1.21118	0.08121	1.20979	0.04238
18	Network Support Assets	cA*r14	0.01538	1.00739	2.44803	0.36186	0.01686	0.36490	0.01367	0.37030	0.02483	0.36987	0.01296
19	General Support Assets	cA*r14	0.08064	5.28353	12.83928	1.89785	0.08840	1.91380	0.07167	1.94212	0.13022	1.93990	0.06796
20	General Purpose Computers	cA*r14	0.03644	2.38741	5.80154	0.85756	0.03994	0.86477	0.03239	0.87756	0.05884	0.87656	0.03071
21	Uncollectible - Interconnect	cA*r14	0.00102	0.06664	0.16193	0.02394	0.00111	0.02414	0.00090	0.02449	0.00164	0.02447	0.00086
22	Accounting and Finance Expense	cA*r14	0.00752	0.49292	1.19782	0.17706	0.00825	0.17855	0.00669	0.18119	0.01215	0.18098	0.00634
23	Human Resources Expense	cA*r14	0.00726	0.47588	1.15642	0.17094	0.00796	0.17237	0.00646	0.17493	0.01173	0.17472	0.00612
24	Information Management Expense	cA*r14	0.05157	3.37895	8.21103	1.21372	0.05653	1.22392	0.04584	1.24203	0.08328	1.24061	0.04346
25	Intangibles	cA*r14	0.00252	0.16485	0.40060	0.05922	0.00276	0.05971	0.00224	0.06060	0.00406	0.06053	0.00212
26	*Total Directly Attributed Costs*	*Sum r17:r25*		16.55259	40.22372	5.94570	0.27695	5.99568	0.22455	6.08440	0.40797	6.07743	0.21290
27													
28	*Total Element Long Run Incremental Costs*	*r14 + r26*		82.07420	199.44487	29.48110	1.37322	29.72893	1.11339	30.16884	2.02286	30.13426	1.05562
29													
30	*Common*												
31	Executive Expense	cA*r28	0.00579	0.47488	1.15399	0.17058	0.00795	0.17201	0.00644	0.17456	0.01170	0.17436	0.00611
32	Planning Expense	cA*r28	0.00050	0.04087	0.09932	0.01468	0.00068	0.01481	0.00055	0.01502	0.00101	0.01501	0.00053
33	External Relations Expense	cA*r28	0.00817	0.67055	1.62946	0.24086	0.01122	0.24289	0.00910	0.24648	0.01653	0.24620	0.00862
34	Legal Expense	cA*r28	0.00535	0.43926	1.06743	0.15778	0.00735	0.15911	0.00596	0.16146	0.01083	0.16128	0.00565
35	Other Procurement Expense	cA*r28	0.00203	0.16620	0.40388	0.05970	0.00278	0.06020	0.00225	0.06109	0.00410	0.06102	0.00214
36	Research and Development Expense	cA*r28	0.00003	0.00254	0.00618	0.00091	0.00004	0.00092	0.00003	0.00094	0.00006	0.00093	0.00003
37	Other General and Admin Exp	cA*r28	0.01578	1.29521	3.14744	0.46524	0.02167	0.46915	0.01757	0.47609	0.03192	0.47555	0.01666
38	*Total Common Costs*	*Sum r31:r37*		3.08952	7.50770	1.10976	0.05169	1.11909	0.04191	1.13565	0.07615	1.13434	0.03974
39													
40	*TELRIC + Common*	*r27 + r38*		85.16	206.95	30.59	1.42	30.85	1.16	31.30	2.10	31.27	1.10

c = column, r = row, s = section, p = page, AP = Appendix

Section E - Entrance Facilities and Direct Trunked Transport
DS3 - Develop Total Prod Costs

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Row	Arizona	Source or Calculation	Factor Value [AP p1 cB]	DS3 Entrance Facility/E-UDIT with Customer Location Electronics	Multiplexing DS3 to DS1	Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
				DS3									
			A	B	C	D	E	F	G	H	I	J	K
1	Investment	sE p12-14 cD Total		$20,862.91	$10,250.32	$8,412.92	$3,103.70	$8,542.17	$1,053.07	$7,862.68	$1,195.63	$8,305.37	$817.13
2													
3	Investment Based Costs (IBC)	sE p12-14 cJ Total		329.3147	166.7690	141.7432	43.9426	143.9202	13.4903	132.4746	17.0455	139.9315	11.7394
4	Element Specific Expenses	AP p3 F41*r3		1.4174	0.7178	0.6101	0.1891	0.6194	0.0581	0.5702	0.0734	0.6023	0.0505
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		330.7321	167.4868	142.3533	44.1317	144.5397	13.5483	133.0448	17.1189	140.5338	11.7899
6													
7	*Directly Assigned*												
8	Product Management Expense	cA*r5	0.03428	11.3378	5.7416	4.8800	1.5129	4.9550	0.4644	4.5609	0.5869	4.8176	0.4042
9	Sales Expense	cA*r5	0.01133	3.7482	1.8981	1.6133	0.5001	1.6381	0.1535	1.5078	0.1940	1.5927	0.1336
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.6391	0.3236	0.2751	0.0853	0.2793	0.0262	0.2571	0.0331	0.2716	0.0228
12	*Directly Assigned Costs*	*Sum r8:r11*		15.7251	7.9634	6.7684	2.0983	6.8723	0.6442	6.3258	0.8139	6.6819	0.5606
13													
14	*Total Direct*	*r5 + r12*		346.4572	175.4501	149.1216	46.2300	151.4120	14.1925	139.3706	17.9328	147.2156	12.3505
15													
16	*Directly Attributed*												
17	Network Operations	cA*r14	0.05029	17.4230	8.8232	7.4992	2.3249	7.6144	0.7137	7.0088	0.9018	7.4033	0.6211
18	Network Support Assets	cA*r14	0.01538	5.3268	2.6975	2.2927	0.7108	2.3280	0.2182	2.1428	0.2757	2.2634	0.1899
19	General Support Assets	cA*r14	0.08064	27.9376	14.1479	12.0249	3.7279	12.2096	1.1445	11.2386	1.4461	11.8712	0.9959
20	General Purpose Computers	cA*r14	0.03644	12.6239	6.3929	5.4335	1.6845	5.5170	0.5171	5.0782	0.6534	5.3641	0.4500
21	Uncollectible - Interconnect	cA*r14	0.00102	0.3523	0.1784	0.1517	0.0470	0.1540	0.0144	0.1417	0.0182	0.1497	0.0126
22	Accounting and Finance Expense	cA*r14	0.00752	2.6064	1.3199	1.1218	0.3478	1.1391	0.1068	1.0485	0.1349	1.1075	0.0929
23	Human Resources Expense	cA*r14	0.00726	2.5163	1.2743	1.0831	0.3358	1.0997	0.1031	1.0122	0.1302	1.0692	0.0897
24	Information Management Expense	cA*r14	0.05157	17.8668	9.0480	7.6902	2.3841	7.8083	0.7319	7.1873	0.9248	7.5919	0.6369
25	Intangibles	cA*r14	0.00252	0.8717	0.4414	0.3752	0.1163	0.3810	0.0357	0.3507	0.0451	0.3704	0.0311
26	*Total Directly Attributed Costs*	*Sum r17:r25*		87.5248	44.3236	37.6723	11.6790	38.2509	3.5854	35.2089	4.5303	37.1908	3.1201
27													
28	*Total Element Long Run Incremental Costs*	*r 14 + r26*		433.9820	219.7738	186.7939	57.9090	189.6629	17.7779	174.5795	22.4632	184.4064	15.4706
29													
30	*Common*												
31	Executive Expense	cA*r28	0.00579	2.5110	1.2716	1.0808	0.3351	1.0974	0.1029	1.0101	0.1300	1.0670	0.0895
32	Planning Expense	cA*r28	0.00050	0.2161	0.1094	0.0930	0.0288	0.0945	0.0089	0.0869	0.0112	0.0918	0.0077
33	External Relations Expense	cA*r28	0.00817	3.5456	1.7956	1.5261	0.4731	1.5495	0.1452	1.4263	0.1835	1.5066	0.1264
34	Legal Expense	cA*r28	0.00535	2.3227	1.1762	0.9997	0.3099	1.0151	0.0951	0.9343	0.1202	0.9869	0.0828
35	Other Procurement Expense	cA*r28	0.00203	0.8788	0.4450	0.3783	0.1173	0.3841	0.0360	0.3535	0.0455	0.3734	0.0313
36	Research and Development Expense	cA*r28	0.00003	0.0135	0.0068	0.0058	0.0018	0.0059	0.0006	0.0054	0.0007	0.0057	0.0005
37	Other General and Admin Exp	cA*r28	0.01578	6.8487	3.4682	2.9478	0.9139	2.9931	0.2806	2.7550	0.3545	2.9101	0.2441
38	*Total Common Costs*	*Sum r31:r37*		16.3364	8.2729	7.0315	2.1799	7.1395	0.6692	6.5717	0.8456	6.9416	0.5824
39													
40	*TELRIC + Common*	*r27 + r38*		$450.32	$228.05	$193.83	$60.09	$196.80	$18.45	$181.15	$23.31	$191.35	$16.05

c = column, r = row, s = section, p = page, AP = Appendix

Section E - Entrance Facilities and Direct Trunked Transport
DS1-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS1			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	**DS1 Entrance Facility/E-UDIT with Customer Location Electronics**									
5	2111	20C	Land	4.593487	0.000000	0.035092	0.014502	0.005214	0.018050	0.072857
6	2121	110C	Building	53.546939	0.133124	0.304844	0.125980	0.060778	0.210410	0.835136
7	2232.3	357C	Other Digital Equipment	255.279851	2.300971	0.895478	0.370065	0.289754	0.465828	4.322095
8	2232.2	257C	Pair Gain—Digital	609.875690	5.497128	2.139339	0.884102	0.692236	0.727276	9.940081
9	2232.2	257CP	Pair Gain—Digital	754.636520	6.801933	2.647135	1.093953	0.856546	0.899904	12.299471
10	2232.2	257CS	Pair Gain—Digital	447.269436	4.031473	1.568944	0.648381	0.507671	0.518573	7.275042
11	2232.2	257CSP	Pair Gain—Digital	609.185353	5.490906	2.136917	0.883101	0.691453	0.706302	9.908679
12	2411	1C	Poles	5.717438	0.041111	0.020754	0.008577	0.006490	0.002537	0.079468
13	2431	3C	Aerial Wire	0.250875	0.003054	0.001568	0.000648	0.000285	0.000385	0.005939
14	2421.11,.21	52C	Aerial Cbl Metallic	9.294880	0.092408	0.040452	0.016717	0.010550	0.105650	0.265778
15	2421.11	42C	Aerial Drop	4.124361	0.041004	0.017950	0.007418	0.004681	0.046880	0.117932
16	2422.11,.21	5C	UG Cbl Metallic	130.848822	0.841395	0.595241	0.245989	0.148519	0.483020	2.314164
17	2422.12,.22	85C	UG Cbl Nonmetallic	96.306153	0.722346	0.450649	0.186235	0.109312	0.145205	1.613747
18	2423.11,.21	45C	Buried Cbl Metallic	261.272348	2.054616	1.201092	0.496362	0.296556	2.167018	6.215644
19	2423.11	35C	Buried Drop	29.430992	0.231442	0.135297	0.055913	0.033406	0.244103	0.700160
20	2423.12,.22	845C	Buried Cbl Nonmetallic	145.010025	0.800304	0.649874	0.268566	0.164593	0.198567	2.081904
21	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	57.535238	0.292337	0.268799	0.111084	0.065305	0.362913	1.100437
22	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetalli	2.280781	0.018808	0.011194	0.004626	0.002589	0.004481	0.041697
23	2441	4C	Conduit System	299.074994	0.566194	1.448586	0.598642	0.339464	0.136524	3.089409
24			Total	3775.534182	29.960552	14.569203	6.020860	4.285401	7.443626	62.279642
25	**MULTIPLEXING DS1 TO DSO**									
26	2111	20C	Land	31.176494	0.000000	0.238170	0.098426	0.035387	0.122507	0.494490
27	2121	110C	Building	363.428848	0.903525	2.069009	0.855037	0.412508	1.428077	5.668157
28	2232.3	257C	Other Digital Equipment	8907.569801	80.288579	31.246218	12.912793	10.110493	10.622271	145.180353
29			Total	9302.175143	81.192104	33.553398	13.866256	10.558388	12.172854	151.343000
30										
31	**DS1 DIRECT TRUNKED TRANSPORT**									
32	**OVER 0 TO 8**		**FIXED**							
33		20C	Land	4.445215	0.000000	0.033959	0.014034	0.005046	0.017467	0.070505
34		110C	Building	51.818504	0.128827	0.295004	0.121913	0.058816	0.203618	0.808179
35		357CS	Other Digital Equipment	331.573095	2.988641	1.163101	0.480662	0.376350	0.594078	5.602834
36		357C	Other Digital Equipment	938.488266	8.459085	3.292055	1.360473	1.065226	1.712530	15.889369
37			Total	1326.325080	11.576553	4.784119	1.977082	1.505439	2.527694	22.370887
38	**OVER 0 TO 8**		**VARIABLE**							
39		20C	Land	0.042392	0.000000	0.000324	0.000134	0.000048	0.000167	0.000672
40		110C	Building	0.494173	0.001229	0.002813	0.001163	0.000561	0.001942	0.007707
41		85C	UG Cbl Nonmetallic	29.893934	0.224220	0.139884	0.057808	0.033931	0.045072	0.500916
42		357C	Other Digital Equipment	1.913997	0.017252	0.006714	0.002775	0.002172	0.003493	0.032406
43		357CS	Other Digital Equipment	10.198092	0.091921	0.035773	0.014784	0.011575	0.018272	0.172325
44		4C	Conduit System	31.752597	0.060112	0.153795	0.063557	0.036041	0.014495	0.328001
45		845C	Buried Cbl Nonmetallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
46			Total	74.295186	0.394734	0.339304	0.140220	0.084328	0.083440	1.042026

Section E - Entrance Facilities and Direct Trunked Transport
DS1-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS1			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
47	OVER 8 TO 25		FIXED							
48		20C	Land	4.482632	0.000000	0.034245	0.014152	0.005088	0.017614	0.071099
49		110C	Building	52.254681	0.129911	0.297487	0.122939	0.059311	0.205332	0.814981
50		357CS	Other Digital Equipment	341.931098	3.082004	1.199435	0.495678	0.388107	0.612637	5.777861
51		357C	Other Digital Equipment	938.820882	8.462083	3.293222	1.360955	1.065604	1.713137	15.895000
52			Total	1337.489293	11.673998	4.824389	1.993724	1.518111	2.548720	22.558941
53	OVER 8 TO 25		VARIABLE							
54		20C	Land	0.029626	0.000000	0.000226	0.000094	0.000034	0.000116	0.000470
55		110C	Building	0.345354	0.000859	0.001966	0.000813	0.000392	0.001357	0.005386
56		85C	UG Cbl Nonmetallic	25.200682	0.189018	0.117923	0.048733	0.028604	0.037996	0.422273
57		357C	Other Digital Equipment	2.539852	0.022893	0.008909	0.003682	0.002883	0.004635	0.043002
58		357CS	Other Digital Equipment	5.924706	0.053402	0.020783	0.008589		0.010615	0.093389
59		4C	Conduit System	26.767541	0.050675	0.129650	0.053579	0.030382	0.012219	0.276505
60		845C	Buried Cbl Nonmetallic	0.267206	0.001475	0.001198	0.000495	0.000303	0.000366	0.003836
61			Total	61.074967	0.318322	0.280655	0.115983	0.062598	0.067304	0.844862
62	OVER 25 TO 50		FIXED							
63		20C	Land	4.549050	0.000000	0.034752	0.014362	0.005163	0.017875	0.072152
64		110C	Building	53.028923	0.131836	0.301895	0.124761	0.060190	0.208375	0.827057
65		357CS	Other Digital Equipment	360.167057	3.246374	1.263404	0.522114	0.408806	0.645310	6.086007
66		357C	Other Digital Equipment	939.561444	8.468758	3.295819	1.362028	1.066445	1.714488	15.907538
67			Total	1357.306474	11.846968	4.895870	2.023264	1.540604	2.586048	22.892754
68	OVER 25 TO 50		VARIABLE							
69		20C	Land	0.069389	0.000000	0.000530	0.000219	0.000079	0.000273	0.001101
70		110C	Building	0.808880	0.002011	0.004605	0.001903	0.000918	0.003178	0.012616
71		85C	UG Cbl Nonmetallic	37.454927	0.280931	0.175264	0.072430	0.042513	0.056472	0.627611
72		357C	Other Digital Equipment	0.336513	0.003033	0.001180	0.000488	0.000382	0.000614	0.005697
73		357CS	Other Digital Equipment	19.488980	0.175664	0.068364	0.028252	0.022121	0.034918	0.329320
74		4C	Conduit System	39.783696	0.075316	0.192694	0.079633	0.045156	0.018161	0.410961
75		845C	Buried Cbl Nonmetallic	10.286486	0.056771	0.046100	0.019051	0.011676	0.014086	0.147683
76			Total	108.228871	0.593727	0.488738	0.201976	0.122845	0.127702	1.534988
77	OVER 50		FIXED							
78		20C	Land	4.543831	0.000000	0.034712	0.014345	0.005157	0.017855	0.072070
79		110C	Building	52.968088	0.131685	0.301549	0.124618	0.060121	0.208136	0.826108
80		357CS	Other Digital Equipment	358.925963	3.235187	1.259050	0.520314	0.407397	0.643086	6.065035
81		357C	Other Digital Equipment	939.311485	8.466505	3.294943	1.361666	1.066161	1.714032	15.903306
82			Total	1355.749367	11.833377	4.890254	2.020943	1.538837	2.583109	22.866519

Section E - Entrance Facilities and Direct Trunked Transport
DS1-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS1			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
83	OVER 50		VARIABLE							
84		20C	Land	0.038301	0.000000	0.000293	0.000121	0.000043	0.000151	0.000607
85		110C	Building	0.446478	0.001110	0.002542	0.001050	0.000507	0.001754	0.006963
86		85C	UG Cbl Nonmetallic	21.945943	0.164606	0.102693	0.042439	0.024910	0.033089	0.367736
87		357C	Other Digital Equipment	0.425856	0.003838	0.001494	0.000617	0.000483	0.000777	0.007210
88		357CS	Other Digital Equipment	10.517233	0.094797	0.036893	0.015246	0.011938	0.018844	0.177717
89		4C	Conduit System	23.310438	0.044130	0.112905	0.046659	0.026458	0.010641	0.240794
90		845C	Buried Cbl Nonmetallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
91			Total	56.684250	0.308482	0.256819	0.106133	0.064339	0.065255	0.801028
92	Investment Sources									
93	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
94	Entrance Facility and Mux = sE p15 cE									
95	Direct Trunk Transport = sE p18 cG									

Section E - Entrance Facilities and Direct Trunked Transport
DS3-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS3			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	DS3 Entrance Facility/E-UDIT with Customer Location Electronics									
5	2111	20C	Land	22.8244	0.0000	0.1744	0.0721	0.0259	0.0897	0.3620
6	2121	110C	Building	266.0667	0.6615	1.5147	0.6260	0.3020	1.0455	4.1497
7	2232.3	357C	Other Digital Equipment	1558.9451	14.0516	5.4685	2.2599	1.7695	2.8447	26.3942
8	2232.2	257C	Pair Gain—Digital	129.6548	1.1686	0.4548	0.1880	0.1472	0.1546	2.1132
9	2232.2	257CS	Pair Gain—Digital	4832.6436	43.5591	16.9521	7.0056	5.4853	5.6031	78.6052
10	2232.2	257CP	Pair Gain—Digital	60.5076	0.5454	0.2123	0.0877	0.0687	0.0702	0.9842
11	2232.2	257CSP	Pair Gain—Digital	9986.0194	90.0092	35.0292	14.4762	11.3346	11.5780	162.4272
12	2411	1C	Poles	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	2421.11,.21	52C	Aerial Cbl Metallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	2421.11	42C	Aerial Drop	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	2422.11,.21	5C	UG Cbl Metallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	2422.12,.22	85C	UG Cbl Nonmetallic	989.2660	7.4200	4.6291	1.9130	1.1229	1.4916	16.5766
17	2423.11,.21	45C	Buried Cbl Metallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	2423.11	35C	Buried Drop	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	2423.12,.22	845C	Buried Cbl Nonmetallic	1569.2671	8.6607	7.0328	2.9064	1.7812	2.1489	22.5299
20	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	27.4025	0.2260	0.1345	0.0556	0.0311	0.0538	0.5010
22	2441	4C	Conduit System	1420.3137	2.6889	6.8794	2.8430	1.6121	0.6484	14.6717
23			Total	20862.9109	168.9910	78.4817	32.4333	23.6803	25.7283	329.3147
24	MULTIPLEXING DS3 TO DS1									
25	2111	20C	Land	34.3542	0.0000	0.2624	0.1085	0.0390	0.1350	0.5449
26	2121	110C	Building	400.4722	0.9956	2.2799	0.9422	0.4546	1.5736	6.2459
27	2232.3	257C	Other Digital Equipment	9815.4954	88.4722	34.4311	14.2290	11.1410	11.7050	159.9782
28			Total	10250.9218	89.4678	36.9734	15.2796	11.6346	13.4136	166.7690
29										
30	DS3 DIRECT TRUNKED TRANSPORT									
31	OVER 0 TO 8		FIXED							
32		20C	Land	28.1961	0.0000	0.2154	0.0890	0.0320	0.1108	0.4472
33		110C	Building	328.6864	0.8172	1.8712	0.7733	0.3731	1.2916	5.1263
34		357CS	Other Digital Equipment	6820.5863	61.4775	23.9254	9.8874	7.7417	12.2204	115.2525
35		357C	Other Digital Equipment	1235.4538	11.1358	4.3338	1.7910	1.4023	2.2544	20.9172
36			Total	8412.9227	73.4304	30.3458	12.5407	9.5490	15.8772	141.7432
37	OVER 0 TO 8		VARIABLE							
38		20C	Land	2.1782	0.0000	0.0166	0.0069	0.0025	0.0086	0.0345
39		110C	Building	25.3914	0.0631	0.1446	0.0597	0.0288	0.0998	0.3960
40		85C	UG Cbl Nonmetallic	1189.9056	8.9249	5.5680	2.3010	1.3506	1.7941	19.9386
41		357C	Other Digital Equipment	46.5149	0.4193	0.1632	0.0674	0.0528	0.0849	0.7875
42		357CS	Other Digital Equipment	575.8245	5.1902	2.0199	0.8347	0.6536	1.0317	9.7301
43		4C	Conduit System	1263.8883	2.3927	6.1217	2.5299	1.4346	0.5769	13.0558
44		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45			Total	3103.7030	16.9902	14.0339	5.7997	3.5228	3.5959	43.9426

Section E - Entrance Facilities and Direct Trunked Transport
DS3-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS3			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
46	OVER 8 TO 25		FIXED							
47		20C	Land	28.6293	0.0000	0.2187	0.0904	0.0325	0.1125	0.4541
48		110C	Building	333.7358	0.8297	1.9000	0.7852	0.3788	1.3114	5.2051
49		357CS	Other Digital Equipment	6940.1244	62.5550	24.3448	10.0607	7.8774	12.4346	117.2724
50		357C	Other Digital Equipment	1239.6757	11.1738	4.3486	1.7971	1.4071	2.2621	20.9887
51			Total	8542.1652	74.5585	30.8120	12.7333	9.6957	16.1206	143.9202
52	OVER 8 TO 25		VARIABLE							
53		20C	Land	0.5030	0.0000	0.0038	0.0016	0.0006	0.0020	0.0080
54		110C	Building	5.8636	0.0146	0.0334	0.0138	0.0067	0.0230	0.0915
55		85C	UG Cbl Nonmetallic	430.4259	3.2284	2.0141	0.8323	0.4886	0.6490	7.2124
56		357C	Other Digital Equipment	54.1847	0.4884	0.1901	0.0785	0.0615	0.0989	0.9174
57		357CS	Other Digital Equipment	89.5304	0.8070	0.3141	0.1298	0.1016	0.1604	1.5129
58		4C	Conduit System	457.1877	0.8655	2.2144	0.9151	0.5189	0.2087	4.7227
59		845C	Buried Cbl Nonmetallic	15.3769	0.0849	0.0689	0.0285	0.0175	0.0211	0.2208
60			Total	1053.0721	5.4888	4.8388	1.9997		1.1630	13.4903
61	OVER 25 TO 50		FIXED							
62		20C	Land	26.3520	0.0000	0.2013	0.0832	0.0299	0.1035	0.4180
63		110C	Building	307.1887	0.7637	1.7488	0.7227	0.3487	1.2071	4.7910
64		357CS	Other Digital Equipment	6310.2179	56.8773	22.1352	9.1476	7.1624	11.3060	106.6284
65		357C	Other Digital Equipment	1218.9168	10.9867	4.2757	1.7670	1.3835	2.2242	20.6373
66			Total	7862.6754	68.6277	28.3611	11.7205	8.9245	14.8409	132.4746
67	OVER 25 TO 50		VARIABLE							
68		20C	Land	0.9547	0.0000	0.0073	0.0030	0.0011	0.0038	0.0151
69		110C	Building	11.1290	0.0277	0.0634	0.0262	0.0126	0.0437	0.1736
70		85C	UG Cbl Nonmetallic	441.6569	3.3127	2.0667	0.8541	0.5013	0.6659	7.4006
71		357C	Other Digital Equipment	34.1623	0.3079	0.1198	0.0495	0.0388	0.0623	0.5784
72		357CS	Other Digital Equipment	238.6068	2.1507	0.8370	0.3459	0.2708	0.4275	4.0319
73		4C	Conduit System	469.1171	0.8881	2.2722	0.9390	0.5325	0.2141	4.8459
74		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75			Total	1195.6268	6.6870	5.3663	2.2177	1.3571	1.4174	17.0455
76	OVER 50		FIXED							
77		20C	Land	27.8357	0.0000	0.2126	0.0879	0.0316	0.1094	0.4415
78		110C	Building	324.4843	0.8067	1.8473	0.7634	0.3683	1.2750	5.0608
79		357CS	Other Digital Equipment	6720.0661	60.5715	23.5728	9.7417	7.6276	12.0403	113.5539
80		357C	Other Digital Equipment	1232.9806	11.1135	4.3251	1.7874	1.3995	2.2499	20.8754
81			Total	8305.3667	72.4917	29.9579	12.3804	9.4270	15.6747	139.9315

Section E - Entrance Facilities and Direct Trunked Transport
DS3-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS3			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
82	OVER 50		VARIABLE							
83		20C	Land	0.6930	0.0000	0.0053	0.0022	0.0008	0.0027	0.0110
84		110C	Building	8.0788	0.0201	0.0460	0.0190	0.0092	0.0317	0.1260
85		85C	UG Cbl Nonmetallic	270.1189	2.0260	1.2640	0.5224	0.3066	0.4073	4.5262
86		357C	Other Digital Equipment	32.3694	0.2918	0.1135	0.0469	0.0367	0.0591	0.5480
87		357CS	Other Digital Equipment	165.6408	1.4930	0.5810	0.2401	0.1880	0.2968	2.7990
88		4C	Conduit System	286.9136	0.5432	1.3897	0.5743	0.3257	0.1310	2.9638
89		845C	Buried Cbl Nonmetallic	53.3123	0.2942	0.2389	0.0987	0.0605	0.0730	0.7654
90			Total	817.1268	4.6683	3.6385	1.5036	0.9275	1.0016	11.7394
91	Investment Sources									
92	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
93	Entrance Facility and Mux = sE p16 cE									
94	Direct Trunk Transport = sE p19 cG									

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2			DS1			
3	Arizona					
4	**Description**	**FRC**	**Default Value**	**Overrides**	**This Run**	**Instructions**
5	**DS1 Entrance Facility/E-UDIT with Customer Location Electronics Investments**			AP p15		Enter Investments by Account per DS1 entrance facility.
6	CIRCUIT-OTHER DIGITAL	357C	$255.28		$255.28	
7	CIRCUIT-SUB PAIR GAIN-DIGITAL	257C	$609.88		$609.88	
8	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CP	$754.64		$754.64	
9	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CS	$447.27		$447.27	
10	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CSP	$609.19		$609.19	
11	POLES	1C	$5.72		$5.72	
12	C WIRE	3C	$0.25		$0.25	
13	CONDUIT SYSTEMS	4C	$299.07		$299.07	
14	UNDERGROUND CABLE METALLIC	5C	$130.85		$130.85	
15	BURIED DROP	35C	$29.43		$29.43	
16	AERIAL DROP	42C	$4.12		$4.12	
17	BURIED CABLE METALLIC	45C	$261.27		$261.27	
18	AERIAL CABLE METALLIC	52C	$9.29		$9.29	
19	INTRABUILDING CABLE METALLIC	62C	$57.54		$57.54	
20	UNDERGROUND CABLE NONMETALLIC	85C	$96.31		$96.31	
21	BURIED CABLE NONMETALLIC	845C	$145.01		$145.01	
22	INTRABUILDING CABLE NONMETALLIC	862C	$2.28		$2.28	
23	**MULTIPLEXING DS1 TO DSO**	257C	$8,907.57		$8,907.57	Enter MUX Investments per DS1.
24	All Investments are EFI					
25	**The default values are outputs from the NAC model**					
26	s = section					
27	p = page					
28	c = column					
29	r = row					
30	The spreadsheet shows the Override data entered by the user in ICM's custom input					
31	screens. If the user has input override data, the spreadsheet will determine this and display					
32	the override data in the Overrides column. The this run column will show the Override or					
33	if no override has been entered, the Default value.					
34						
35						

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2			**DS3**			
3	Arizona					
4	**Description**	**FRC**	**Default Value**	**Overrides**	**This Run**	**Instructions**
5	**DS3 Entrance Facility/E-UDIT with Customer Location Electronics Investments**			AP p15		Enter Investments by Account per DS3 entrance facility.
6	CIRCUIT-OTHER DIGITAL	357C	$1,558.95		$1,558.95	
7	CIRCUIT-DIGITAL	257C	$129.65		$129.65	
8	CIRCUIT-DIGITAL SONET	257CS	$4,832.64		$4,832.64	
9	CIRCUIT-DIGITAL-PREMISES	257CP	$60.51		$60.51	
10	CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$9,986.02		$9,986.02	
11	POLES	1C	$0.00		$0.00	
12	CONDUIT SYSTEMS	4C	$1,420.31		$1,420.31	
13	UNDERGROUND CABLE METALLIC	5C	$0.00		$0.00	
14	BURIED DROP	35C	$0.00		$0.00	
15	AERIAL DROP	42C	$0.00		$0.00	
16	BURIED CABLE METALLIC	45C	$0.00		$0.00	
17	AERIAL CABLE METALLIC	52C	$0.00		$0.00	
18	INTRABUILDING CABLE METALLIC	62C	$0.00		$0.00	
19	UNDERGROUND CABLE NONMETALLIC	85C	$989.27		$989.27	
20	BURIED CABLE NONMETALLIC	845C	$1,569.27	-	$1,569.27	
21	INTRABUILDING CABLE NONMETALLIC	862C	$27.40		$27.40	
22	**MULTIPLEXING DS3 TO DS1**	257C	$9,815.50		$9,815.50	Enter MUX Investments per DS3.
23						
24	**The default values are outputs from the NAC model**					
25	s = section					
26	p = page					
27	c = column					
28	r = row					
29	The spreadsheet shows the Override data entered by the user in ICM's custom input screens.					
30	If the user has input override data, the spreadsheet will determine this and display the					
31	override data in the Overrides column. The this run column will show the Override or if no					
32	override has been entered, the Default value.					
33						

February 4, 2003

John Duffy
Arizona Policy and Law
Qwest
jmduffy@quest.com

VIA ELECTRONIC MAIL

Mr. Duffy:

I am writing to follow-up on our telephone conversation of January 28, 2003 and formally propose solutions for our shared interest in three areas near Prescott.

1. Breezy Pine: This subdivision is located at T12.5N, R1W, in sections 28, 32 and 33. The area is adjacent to the Millsite – Potato Patch area where we are constructing new facility. Adding Breezy Pine to our CC&N adds to the feasibility of our construction because of the additional access lines. If so inclined, we would request Qwest release these sections as "unserved" and thereby allow Midvale to proceed with our application to serve the area.

2. Crossroads – Rancho Diamonte: This area includes a total of seven sections:

   Section 25 of T17N, R3W
   Sections 2, 3, 4 of T15N, R4W
   Sections 33, 34, 35 of T15.5N, R4W

   This is an area where we have also proposed to construct new service into, and would like to include these sections in our CC&N. As above, we request Qwest release these sections as "unserved" and thereby allow Midvale to proceed with our application to serve the area.

3. Poquito Valley: Midvale has filed for a CC&N to serve sections 2 and 11 of T15N, R1W and section 35 of T16N, R1W which includes the Poquito Valley subdivision. We are aware of the facts surrounding Qwest's service to two residents in section 11, T15N, R1W and propose that Midvale assume service to those customers after commencing service to the area with the following stipulations: (1) Qwest agrees to provide call forwarding on behalf of the customers from the Qwest NPA-NXX to the Midvale NPA-NXX at Qwest's expense for a period of one year; and (2) Qwest agrees to two-way Extended Area Service for Midvale's Millsite exchange in the Prescott area.

We appreciate your willingness to review these proposals. If I can clarify anything, please let me know.

Sincerely,

Karen J. Williams, Ph.D.
kjwill@ruralnetwork.net

Section E - Entrance Facilities and Direct Trunked Transport
DS1 TM Output

Compliance Phase IIa 1/31/03 8:33:20 AM

Arizona

Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
OVER 0 TO 8	FIXED	357C	936.7271263	1.761139827	938.488266
OVER 0 TO 8	FIXED	357CS	331.5730953	0	331.573095
OVER 0 TO 8	DISTANCE SENSITIVE	357C	1.346573754	0.567423323	1.913997
OVER 0 TO 8	DISTANCE SENSITIVE	357CS	10.19809179	0	10.198092
OVER 0 TO 8	DISTANCE SENSITIVE	4C	31.75259687	0	31.752597
OVER 0 TO 8	DISTANCE SENSITIVE	845C	0	0	0.000000
OVER 0 TO 8	DISTANCE SENSITIVE	85C	20.02893595	9.864998306	29.893934
OVER 8 TO 25	FIXED	357C	936.9499789	1.870903055	938.820882
OVER 8 TO 25	FIXED	357CS	341.9310984	0	341.931098
OVER 8 TO 25	DISTANCE SENSITIVE	357C	1.733973834	0.805878381	2.539852
OVER 8 TO 25	DISTANCE SENSITIVE	357CS	5.924705665	0	5.924706
OVER 8 TO 25	DISTANCE SENSITIVE	4C	26.76754075	0	26.767541
OVER 8 TO 25	DISTANCE SENSITIVE	845C	0.179028061	0.088178	0.267206
OVER 8 TO 25	DISTANCE SENSITIVE	85C	16.88445709	8.316225135	25.200682
OVER 25 TO 50	FIXED	357C	937.4461556	2.115288594	939.561444
OVER 25 TO 50	FIXED	357CS	360.1670569	0	360.167057
OVER 25 TO 50	DISTANCE SENSITIVE	357C	0.323736121	0.012777192	0.336513
OVER 25 TO 50	DISTANCE SENSITIVE	357CS	19.48898017	0	19.488980
OVER 25 TO 50	DISTANCE SENSITIVE	4C	39.7836959	0	39.783696
OVER 25 TO 50	DISTANCE SENSITIVE	845C	6.891945498	3.39454032	10.286486
OVER 25 TO 50	DISTANCE SENSITIVE	85C	25.09480093	12.36012583	37.454927
OVER 50	FIXED	357C	937.2786831	2.032802138	939.311485
OVER 50	FIXED	357CS	358.9259626	0	358.925963
OVER 50	DISTANCE SENSITIVE	357C	0.336392717	0.089463776	0.425856
OVER 50	DISTANCE SENSITIVE	357CS	10.51723346	0	10.517233
OVER 50	DISTANCE SENSITIVE	4C	23.31043762	0	23.310438
OVER 50	DISTANCE SENSITIVE	845C	0	0	0.000000
OVER 50	DISTANCE SENSITIVE	85C	14.703782	7.242161281	21.945943
All	FIXED	357C	936.8639788	1.828544829	938.692524
All	FIXED	357CS	337.9201909	0	337.920191
All	DISTANCE SENSITIVE	357C	1.473479419	0.652166954	2.125646
All	DISTANCE SENSITIVE	357CS	8.358476192	0	8.358476
All	DISTANCE SENSITIVE	4C	29.22930444	0	29.229304
All	DISTANCE SENSITIVE	845C	0.195739819	0.096409165	0.292149
All	DISTANCE SENSITIVE	85C	18.43729095	9.08105375	27.518345

These are investments outputs from the Transport Module.

Section E - Entrance Facilities and Direct Trunked Transport
DS3 TM Output

Compliance Phase IIa 1/31/03 8:33:20 AM

Arizona

Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
OVER 0 TO 8	FIXED	357C	1199.512526	35.94124821	1235.453774
OVER 0 TO 8	FIXED	357CS	6820.586342	0	6820.586342
OVER 0 TO 8	DISTANCE SENSITIVE	357C	36.0884749	10.42642464	46.514900
OVER 0 TO 8	DISTANCE SENSITIVE	357CS	575.8245437	0	575.824544
OVER 0 TO 8	DISTANCE SENSITIVE	4C	1263.888292	0	1263.888292
OVER 0 TO 8	DISTANCE SENSITIVE	845C	0	0	0.000000
OVER 0 TO 8	DISTANCE SENSITIVE	85C	797.2367663	392.668855	1189.905621
OVER 8 TO 25	FIXED	357C	1202.341192	37.33447156	1239.675663
OVER 8 TO 25	FIXED	357CS	6940.124371	0	6940.124371
OVER 8 TO 25	DISTANCE SENSITIVE	357C	37.02078676	17.16391465	54.184701
OVER 8 TO 25	DISTANCE SENSITIVE	357CS	89.53035252	0	89.530353
OVER 8 TO 25	DISTANCE SENSITIVE	4C	457.1876992	0	457.187699
OVER 8 TO 25	DISTANCE SENSITIVE	845C	10.3025125	5.07437183	15.376884
OVER 8 TO 25	DISTANCE SENSITIVE	85C	288.3853307	142.040536	430.425867
OVER 25 TO 50	FIXED	357C	1188.432762	30.48405089	1218.916813
OVER 25 TO 50	FIXED	357CS	6310.217923	0	6310.217923
OVER 25 TO 50	DISTANCE SENSITIVE	357C	24.37913095	9.783207077	34.162338
OVER 25 TO 50	DISTANCE SENSITIVE	357CS	238.6067567	0	238.606757
OVER 25 TO 50	DISTANCE SENSITIVE	4C	469.1170646	0	469.117065
OVER 25 TO 50	DISTANCE SENSITIVE	845C	0	0	0.000000
OVER 25 TO 50	DISTANCE SENSITIVE	85C	295.9101482	145.7467894	441.656938
OVER 50	FIXED	357C	1197.855481	35.12509183	1232.980573
OVER 50	FIXED	357CS	6720.066117	0	6720.066117
OVER 50	DISTANCE SENSITIVE	357C	22.20732124	10.16210008	32.369421
OVER 50	DISTANCE SENSITIVE	357CS	165.6407703	0	165.640770
OVER 50	DISTANCE SENSITIVE	4C	286.9135624	0	286.913562
OVER 50	DISTANCE SENSITIVE	845C	35.71926683	17.59307172	53.312339
OVER 50	DISTANCE SENSITIVE	85C	180.9796342	89.13922283	270.118857
All	FIXED	357C	1198.494104	35.43963743	1233.933742
All	FIXED	357CS	6767.54227	0	6767.542270
All	DISTANCE SENSITIVE	357C	32.99385521	12.42910158	45.422957
All	DISTANCE SENSITIVE	357CS	323.094024	0	323.094024
All	DISTANCE SENSITIVE	4C	774.5299697	0	774.529970
All	DISTANCE SENSITIVE	845C	7.287139548	3.589188135	10.876328
All	DISTANCE SENSITIVE	85C	488.5588169	240.6334471	729.192264

These are investments outputs from the Transport Module.

Section G - 8XX Database Services
8XX - Develop Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	Basic Query	Call Handling and Destination	POTS Translation
			A	B	C	D
1	Investment	sG p2 cD Total		0.00143254	0.00000582	0.00000194
2						
3	Investment Based Costs (IBC)	sG p2 cK Total		0.00030030	0.00000119	0.00000040
4	Element Specific Expenses	AP p10 F52		0.01418400		
5	***Total IBC + Element Specific Expenses***	*r3 + r4*		**0.0144843**	**0.0000012**	**0.0000004**
6						
7	***Directly Assigned***					
8	Product Management Expense	cA*r5	0.03428	0.0004965	0.0000000	0.0000000
9	Sales Expense	cA*r5	0.01133	0.0001642	0.0000000	0.0000000
10	Product Advertising Expense	cA*r5	0.00000	0.0000000	0.0000000	0.0000000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0000280	0.0000000	0.0000000
12	***Directly Assigned Costs***	*Sum r8:r11*		0.0006887	0.0000001	0.0000000
13						
14	***Total Direct***	*r5 + r12*		0.0151730	0.0000012	0.0000004
15						
16	***Directly Attributed***					
17	Network Operations	cA*r14	0.05029	0.0007630	0.0000001	0.0000000
18	Network Support Assets	cA*r14	0.01538	0.0002333	0.0000000	0.0000000
19	General Support Assets	cA*r14	0.08064	0.0012235	0.0000001	0.0000000
20	General Purpose Computers	cA*r14	0.03644	0.0005529	0.0000000	0.0000000
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0000154	0.0000000	0.0000000
22	Accounting and Finance Expense	cA*r14	0.00752	0.0001141	0.0000000	0.0000000
23	Human Resources Expense	cA*r14	0.00726	0.0001102	0.0000000	0.0000000
24	Information Management Expense	cA*r14	0.05157	0.0007825	0.0000001	0.0000000
25	Intangibles	cA*r14	0.00252	0.0000382	0.0000000	0.0000000
26	***Total Directly Attributed Costs***	*Sum r17:r25*		0.0038331	0.0000003	0.0000001
27						
28	***Total Element Long Run Incremental Costs***	*r14 + r26*		**0.0190061**	**0.0000016**	**0.0000005**
29						
30	***Common***					
31	Executive Expense	cA*r28	0.00579	0.0001100	0.0000000	0.0000000
32	Planning Expense	cA*r28	0.00050	0.0000095	0.0000000	0.0000000
33	External Relations Expense	cA*r28	0.00817	0.0001553	0.0000000	0.0000000
34	Legal Expense	cA*r28	0.00535	0.0001017	0.0000000	0.0000000
35	Other Procurement Expense	cA*r28	0.00203	0.0000385	0.0000000	0.0000000
36	Research and Development Expense	cA*r28	0.00003	0.0000006	0.0000000	0.0000000
37	Other General and Admin Exp	cA*r28	0.01578	0.0002999	0.0000000	0.0000000
38	***Total Common Costs***	*Sum r31:r37*		**0.0007154**	**0.0000001**	**0.0000000**
39						
40	***TELRIC + Common***	*r27 + r38*		**0.019722**	**0.0000016**	**0.0000005**

Section G - 8XX Database Services
8XX-Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa 1/31/03 8:33:20 AM						8XX Database				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
4	Basic Query										
5	2111	20C	Land	0.000004573	0.0000000	0.0000004	0.0000002	0.0000001	0.0000002		0.000000870
6	2121	110C	Building	0.000053095	0.0000016	0.0000036	0.0000015	0.0000007	0.0000025		0.000009937
7	2212	377C	Digital Switch	0.001255194	0.0001308	0.0000527	0.0000218	0.0000171	0.0000353	0.0000000	0.000257674
8	2232.5	57C	Other Analog Equipment	0.000006308	0.0000009	0.0000003	0.0000001	0.0000001	0.0000012		0.000002489
9	2232.3	357C	Other Digital Equipment	0.000006124	0.0000007	0.0000003	0.0000001	0.0000001	0.0000001		0.000001244
10	2232.3	357CS	Other Digital Equipment	0.000002952	0.0000003	0.0000001	0.0000001	0.0000000	0.0000001		0.000000598
11	2422.12,.22	85C	UG Cbl Nonmetallic	0.000001624	0.0000001	0.0000001	0.0000000	0.0000000	0.0000000		0.000000327
12	2423.12,.22	845C	Buried Cbl Nonmetallic	0.000004936	0.0000003	0.0000003	0.0000001	0.0000001	0.0000001		0.000000850
13	2124	361C	General Purpose Comp.	0.000095000	0.0000186	0.0000043	0.0000018	0.0000013	0.0000000		0.000025976
14	2441	4C	Conduit System	0.000002732	0.0000001	0.0000002	0.0000001	0.0000000	0.0000000		0.000000339
15			Total	0.001432537	0.0001534	0.0000622	0.0000257	0.0000195	0.0000395	0.0000000	0.000300305
16	Call Handling and Destination										
17	2111	20C	Land	0.000000020	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000004
18	2121	110C	Building	0.000000233	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000044
19	2212	377C	Digital Switch	0.000005568	0.0000006	0.0000002	0.0000001	0.0000001	0.0000002	0.0000000	0.000001143
20	2124	361C	General Purpose Comp.	0.000000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000000
21			Total	0.000005821	0.0000006	0.0000003	0.0000001	0.0000001	0.0000002	0.0000000	0.000001190
22	POTS Translation										
23	2111	20C	Land	0.000000007	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000001
24	2121	110C	Building	0.000000078	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000015
25	2212	377C	Digital Switch	0.000001856	0.0000002	0.0000001	0.0000000	0.0000000	0.0000001	0.0000000	0.000000381
26	2124	361C	General Purpose Comp.	0.000000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		0.000000000
27			Total	0.000001940	0.0000002	0.0000001	0.0000000	0.0000000	0.0000001	0.0000000	0.000000397

28 **Basic Query Investment Sources**

29 Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS) Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)

30 All others = sG p3 sum of column F by account

31

32 s = section

33 p = page

34 c = column

35 r = row

36 Upper Case letter with number indicates a cell location, i.e. G40

	A	B	C	D	E	F
1	**Basic 800 Services Query (& Response) Investments and Expenses**					
2						
3				**2000 Investment & Expenses**	**Loading Factor**	**Loaded Investment**
4			Source:	8XX Services Model 2000, v2.1	Ap p13 cE	cD Investments * cE
5	LSTP Hardware/Query (& Response)					
6	377C			0.00048943	1.1651	0.00057026
7						
8	LSTP Software/Query (& Response)					
9	377C			0.00000771	1.1651	0.00000899
10						
11	InterSTP Data Link Hardware/Query (& Response)					
12	377C			0.00000123	1.1651	0.00000144
13	57C			0.00000199	1.1651	0.00000232
14	357C			0.00000084	1.0000	0.00000084
15	357CS			0.00000037	1.0000	0.00000037
16	845C			0.00000221	1.0000	0.00000221
17	85C			0.00000028	1.0000	0.00000028
18	4C			0.00000045	1.0000	0.00000045
19						
20	InterSTP Data Link Software/Query (& Response)					
21	377C			0.00011803	1.1651	0.00013752
22						
23	RSTP Hardware/Query (& Response)					
24	377C			0.00009478	1.1651	0.00011043
25						
26	RSTP Software/Query (& Response)					
27	377C			0.00001107	1.1651	0.00001290
28						
29	Data Link & MRS ISCP Hardware/Query (& Response)					
30	377C	(RSTP Hardware)		0.00000213	1.1651	0.00000248
31	57C			0.00000343	1.1651	0.00000399
32	357C			0.00000529	1.0000	0.00000529
33	357CS			0.00000258	1.0000	0.00000258
34	845C			0.00000273	1.0000	0.00000273
35	85C			0.00000134	1.0000	0.00000134
36	4C			0.00000229	1.0000	0.00000229
37	377C	(ISCP Hardware)		0.00032454	1.1209	0.00036377
38						
39	RSTP - ISCP Data Link Software/Query (& Response)					
40	377C			0.00004069	1.1651	0.00004740
41						
42	ISCP Software/Query (& Response)					
43	361C	(2681.4)		0.00000000	1.0000	0.00000000
44						
45	**Call Handling and Destination Feature Increment per Query**					
46	ISCP Hardware/Query (& Response)					
47	377C			0.00000497	1.1209	0.00000557
48						
49	ISCP Software/Query (& Response)					
50	361C	(2681.4)		0.00000000	1.0000	0.00000000
51						
52	**POTS Translation Feature Increment per Query**					
53	ISCP Hardware/Query (& Response)					
54	377C			0.00000166	1.1209	0.00000186
55						
56	ISCP Software/Query (& Response)					
57	361C	(2681.4)		0.00000000	1.0000	0.00000000
58						
59						
60	*Account 2124 translated from account 2681.4					
61						
62	NOTE : All investments in this model are Engineered, Furnished and Installed (EF&I).					

Section H - Line Information Database
LIDB - Develop Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	LIDB LIDB per Query
			A	B
1	Investment	sH p2 D16		0.001815471
2				
3	Investment Based Costs (IBC)	sH p2 K16		0.00038876
4	Element Specific Expenses	sH p4 D74+D78		0.000291954
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		0.0006807
6				
7	*Directly Assigned*			
8	Product Management Expense	cA*r5	0.03428	0.0000233
9	Sales Expense	cA*r5	0.01133	0.0000077
10	Product Advertising Expense	cA*r5	0.00000	0.0000000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0000013
12	*Directly Assigned Costs*	*Sum r8:r11*		0.0000324
13				
14	*Total Direct*	*r5 + r12*		0.0007131
15				
16	*Directly Attributed*			
17	Network Operations	cA*r14	0.05029	0.0000359
18	Network Support Assets	cA*r14	0.01538	0.0000110
19	General Support Assets	cA*r14	0.08064	0.0000575
20	General Purpose Computers	cA*r14	0.03644	0.0000260
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0000007
22	Accounting and Finance Expense	cA*r14	0.00752	0.0000054
23	Human Resources Expense	cA*r14	0.00726	0.0000052
24	Information Management Expense	cA*r14	0.05157	0.0000368
25	Intangibles	cA*r14	0.00252	0.0000018
26	*Total Directly Attributed Costs*	*Sum r17:r25*		0.0001801
27				
28	*Total Element Long Run Incremental Costs*	*r 14 + r26*		0.0008932
29				
30	*Common*			
31	Executive Expense	cA*r28	0.00579	0.0000052
32	Planning Expense	cA*r28	0.00050	0.0000004
33	External Relations Expense	cA*r28	0.00817	0.0000073
34	Legal Expense	cA*r28	0.00535	0.0000048
35	Other Procurement Expense	cA*r28	0.00203	0.0000018
36	Research and Development Expense	cA*r28	0.00003	0.0000000
37	Other General and Admin Exp	cA*r28	0.01578	0.0000141
38	*Total Common Costs*	*Sum r31:r37*		0.0000336
39				
40	*TELRIC + Common*	*r27 + r38*		0.0009

c = column, r = row, s = section, p = page, AP = Appendix

Section H - Line Information Database
LIDB - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1	Compliance Phase IIa					LIDB per Query					
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
4	**LIDB per Query**			sum(sH p3-4 cF) by FRC							
5											
6	2111	20C	Land	0.000006114	0.0000000	0.0000006	0.0000002	0.0000001	0.0000003		0.000001164
7	2121	110C	Building	0.000071036	0.0000021	0.0000049	0.0000020	0.0000010	0.0000033		0.000013295
8	2212	377C	Digital Switch	0.001435252	0.0001496	0.0000603	0.0000249	0.0000195	0.0000403	0.0000000	0.000294637
9	2232.5	57C	Other Analog Equipment	0.000023030	0.0000031	0.0000010	0.0000004	0.0000003	0.0000043		0.000009089
10	2232.3	357C	Other Digital Equipment	0.000025993	0.0000028	0.0000011	0.0000005	0.0000004	0.0000006		0.000005281
11	2124	361C	General Purpose Comp.	0.000212748	0.0000417	0.0000096	0.0000040	0.0000029	0.0000000		0.000058172
12	2232.3	357CS	Other Digital Equipment	0.000008885	0.0000010	0.0000004	0.0000002	0.0000001	0.0000002		0.000001802
13	2422.12,.22	85C	UG Cbl Nonmetallic	0.000005076	0.0000005	0.0000003	0.0000001	0.0000001	0.0000001		0.000001021
14	2423.12,.22	845C	Buried Cbl Nonmetallic	0.000018867	0.0000012	0.0000010	0.0000004	0.0000003	0.0000003		0.000003250
15	2441	4C	Conduit System	0.000008470	0.0000002	0.0000005	0.0000002	0.0000001	0.0000000		0.000001050
16			Total	0.001815	0.000202	0.000079	0.000033	0.000025	0.000049	0.0000000	0.000389
17											
18	**Investment Sources**										
19	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)					

Section H - Line Information Database
LIDB - Inv & Exp Inputs

	A	B	C	D	E	F
1						
2	**LIDB Query Service per Query (& Response) Investments and Expenses**					
3						
4				**2000 Investment & Expenses**	**Loading Factor**	**Loaded Investment**
5			Source:	LIDB Services Model 2000, v3.5.xls	Ap p13 cE	cD Investments * cE
6	LSTP Hardware/Query (& Response)					
7	377C			0.00011210	1.1651	0.00013062
8						
9	LSTP Software/Query (& Response)					
10	377C			0.00000177	1.1651	0.00000206
11						
12	InterSTP Data Link Hardware/Query (& Response)					
13	377C			0.00000644	1.1651	0.00000751
14	57C			0.00001038	1.1651	0.00001210
15	357C			0.00000437	1	0.00000437
16	357CS			0.00000195	1	0.00000195
17	845C			0.00001154	1	0.00001154
18	85C			0.00000147	1	0.00000147
19	4C			0.00000233	1	0.00000233
20						
21	InterSTP Data Link Software/Query (& Response)					
22	377C			0.00012329	1.1651	0.00014365
23						
24	RSTP Hardware/Query (& Response)					
25	377C			0.00009082	1.1651	0.00010582
26						
27	RSTP Software/Query (& Response)					
28	377C			0.00001061	1.1651	0.00001236
29						
30	Data Link & MRS ISCP Hardware/Query (& Response)					
31	377C	(RSTP Hardware)		0.00000289	1.1651	0.00000336
32	57C			0.00000465	1.1651	0.00000542
33	357C			0.00000717	1	0.00000717
34	357CS			0.00000344	1	0.00000344
35	845C			0.00000363	1	0.00000363
36	85C			0.00000179	1	0.00000179
37	4C			0.00000304	1	0.00000304
38	377C	(ISCP Hardware)		0.00030306	1.1209	0.00033970
39				ISCP Includes Power		
40	RSTP - MRS ISCP Data Link Software/Query (& Response)					
41	377C			0.00005524	1.1651	0.00006436
42						
43	MRS ISCP Software/Query (& Response)					
44	361C			0.00000000	1.0000	0.00000000
45						
46						

Section H - Line Information Database
LIDB - Inv & Exp Inputs

	A	B	C	D	E	F
1						
2	**LIDB Query Service per Query (& Response) Investments and Expenses**					
3						
4				**2000 Investment & Expenses**	**Loading Factor**	**Loaded Investment**
5			Source:	LIDB Services Model 2000, v3.5.xls	Ap p13 cE	cD Investments * cE
47	RSTP Hardware/Query (& Response)					
48	377C			0.00008829	1.1651	0.00010288
49						
50	RSTP Software/Query (& Response)					
51	377C			0.00001031	1.1651	0.00001202
52						
53	Data Link & LIDB ISCP Hardware/Query (& Response)					
54	377C	(RSTP Hardware)		0.00000294	1.1651	0.00000342
55	57C			0.00000473	1.1651	0.00000551
56	357C			0.00000730	1	0.00000730
57	357CS			0.00000350	1	0.00000350
58	845C			0.00000369	1	0.00000369
59	85C			0.00000182	1	0.00000182
60	4C			0.00000310	1	0.00000310
61	377C	(ISCP Hardware)		0.00039433	1.1209	0.00044201
62				ISCP Includes Power		
63	RSTP - LIDB ISCP Data Link Software/Query (& Response)					
64	377C			0.00005621	1.1651	0.00006549
65						
66	LIDB ISCP Software/Query (& Response)					
67	361C			0.00000000	1	0.00000000
68						
69	*Account 2124 translated from account 2681.4					
70						
71	Telcordia Work Packages & SLEUTH Maintenance/Query & Response					
72	377C			0.00000000	1.1651	0.00000000
73	LIDB/MRS/SOPI/LVAS/LIDB/SLEUTH Admin. & Software Support/Query & Response					
74	377M	Expense		0.00029194		
75	LVAS/AMATPS/SLEUTH/MRS/LIDB Data Link Installation/Query & Response					
76	357C			0.00000716	1	0.00000716
77	RSTP-LIDB Data Link Maintenance/Query & Response					
78	357M	Expense		0.00000002		
79	LVAS/AMATPS/SLEUTH/MRS/LIDB Data Link InterLATA Transport/Query & Response					
80	361C			0.00021275	1	0.00021275

Section I - Signaling
Signal-Develop Total Prod Costs

Compliance Phase IIa 1/31/03 8:33:20 AM
Com Arizona

Row		Source or Calculation	Factor Value [AP p1 cB]	TCAP Signal Transport	TCAP Signal Switching	ISUP Signal Formulation	ISUP Signal Transport	ISUP Signal Switching	STP Port
				Signaling					
			A	C	D	E	F	G	I
1	Investment	sl p2-3 cD		0.0006403	0.0015317	0.0053753	0.0027812	0.0021595	10209.8423
2									
3	Investment Based Costs (IBC)	sl p2-3 cJ		0.0001610	0.0003502	0.0012310	0.0007170	0.0004786	180.1351
4	Element Specific Expenses	sl p12 E18 + sl p4 cH	(STP=sl p5 G16)	0.0000492	0.0000650	0.0002315	0.0002315	0.0001845	
5	***Total IBC + Element Specific Expenses***	***r3 + r4***		0.0002103	0.0004152	0.0014625	0.0009486	0.0006631	180.1351
6									
7	***Directly Assigned***								
8	Product Management Expense	cA*r5	0.03428	0.0000072	0.0000142	0.0000501	0.0000325	0.0000227	6.1752
9	Sales Expense	cA*r5	0.01133	0.0000024	0.0000047	0.0000166	0.0000108	0.0000075	2.0415
10	Product Advertising Expense	cA*r5	0.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0000004	0.0000008	0.0000028	0.0000018	0.0000013	0.3481
12	***Directly Assigned Costs***	***Sum r8:r11***		0.0000100	0.0000197	0.0000695	0.0000451	0.0000315	8.5648
13									
14	***Total Direct***	***r5 + r12***		0.0002203	0.0004349	0.0015321	0.0009937	0.0006947	188.6998
15									
16	***Directly Attributed***								
17	Network Operations	cA*r14	0.05029	0.0000111	0.0000219	0.0000770	0.0000500	0.0000349	9.4895
18	Network Support Assets	cA*r14	0.01538	0.0000034	0.0000067	0.0000236	0.0000153	0.0000107	2.9013
19	General Support Assets	cA*r14	0.08064	0.0000178	0.0000351	0.0001235	0.0000801	0.0000560	15.2164
20	General Purpose Computers	cA*r14	0.03644	0.0000080	0.0000158	0.0000558	0.0000362	0.0000253	6.8757
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0000002	0.0000004	0.0000016	0.0000010	0.0000007	0.1919
22	Accounting and Finance Expense	cA*r14	0.00752	0.0000017	0.0000033	0.0000115	0.0000075	0.0000052	1.4196
23	Human Resources Expense	cA*r14	0.00726	0.0000016	0.0000032	0.0000111	0.0000072	0.0000050	1.3705
24	Information Management Expense	cA*r14	0.05157	0.0000114	0.0000224	0.0000790	0.0000512	0.0000358	9.7313
25	Intangibles	cA*r14	0.00252	0.0000006	0.0000011	0.0000039	0.0000025	0.0000017	0.4748
26	***Total Directly Attributed Costs***	***Sum r17:r25***		0.0000556	0.0001099	0.0003870	0.0002510	0.0001755	47.6709
27									
28	***Total Element Long Run Incremental Costs***	***r 14 + r26***		0.0002759	0.0005448	0.0019191	0.0012447	0.0008701	236.37
29									
30	***Common***								
31	Executive Expense	cA*r28	0.00579	0.0000016	0.0000032	0.0000111	0.0000072	0.0000050	1.3676
32	Planning Expense	cA*r28	0.00050	0.0000001	0.0000003	0.0000010	0.0000006	0.0000004	0.1177
33	External Relations Expense	cA*r28	0.00817	0.0000023	0.0000045	0.0000157	0.0000102	0.0000071	1.9311
34	Legal Expense	cA*r28	0.00535	0.0000015	0.0000029	0.0000103	0.0000067	0.0000047	1.2651
35	Other Procurement Expense	cA*r28	0.00203	0.0000006	0.0000011	0.0000039	0.0000025	0.0000018	0.4787
36	Research and Development Expense	cA*r28	0.00003	0.0000000	0.0000000	0.0000001	0.0000000	0.0000000	0.0073
37	Other General and Admin Exp	cA*r28	0.01578	0.0000044	0.0000086	0.0000303	0.0000196	0.0000137	3.7302
38	***Total Common Costs***	***Sum r31:r37***		0.0000104	0.0000205	0.0000722	0.0000469	0.0000328	8.8977
39									
40	***TELRIC + Common***	***r27 + r38***		0.0002863	0.0005653	0.0019913	0.0012916	0.0009029	245.27

c = column, r = row, s = section, p = page, AP = Appendix

Section I - Signaling
Signal - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1							Signaling				
2	Compliance Phase IIa 1/31/03 8:33:20 AM			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
4	**TCAP Signal Transport**			sl p4 F9-17							
5	2111	20C	Land	0.00000068	0.00000000	0.00000006	0.00000003	0.00000001	0.00000003		0.00000013
6	2121	110C	Building	0.00000793	0.00000024	0.00000054	0.00000022	0.00000011	0.00000037		0.00000148
7	2212	377C	Digital Switch	0.00018443	0.00001922	0.00000774	0.00000320	0.00000251	0.00000518		0.00003786
8	2232.5	57C	Other Analog Equipment	0.00001478	0.00000201	0.00000062	0.00000026	0.00000020	0.00000275		0.00000583
9	2232.3	357C	Other Digital Equipment	0.00000534	0.00000058	0.00000022	0.00000009	0.00000007	0.00000012		0.00000108
10	2232.3	357CS	Other Digital Equipment	0.00000240	0.00000026	0.00000010	0.00000004	0.00000003	0.00000005		0.00000049
11	2423.12,.22	845C	Buried Cbl Nonmetallic	0.00001408	0.00000093	0.00000076	0.00000031	0.00000019	0.00000023		0.00000243
12	2422.12,.22	85C	UG Cbl Nonmetallic	0.00000186	0.00000017	0.00000010	0.00000004	0.00000003	0.00000003		0.00000037
13	2441	4C	Conduit System	0.00000279	0.00000006	0.00000016	0.00000007	0.00000004	0.00000002		0.00000035
14	2124	361C	General Purpose Comp.	0.00040601	0.00007960	0.00001832	0.00000757	0.00000553	0.00000000		0.00011102
15			**Total**	**0.00064030**	**0.00010306**	**0.00002863**	**0.00001183**	**0.00000872**	**0.00000879**	**0.00000000**	**0.00016104**
16	**TCAP Signal Switching**			sl p4 F21-22							
17	2111	20C	Land	0.00000343	0.00000000	0.00000031	0.00000013	0.00000005	0.00000016		0.00000065
18	2121	110C	Building	0.00003982	0.00000119	0.00000272	0.00000112	0.00000054	0.00000188		0.00000745
19	2212	377C	Digital Switch	0.00095255	0.00009927	0.00003999	0.00001653	0.00001297	0.00002678	0.00000000	0.00019555
20	2124	361C	General Purpose Comp.	0.00053594	0.00010507	0.00002418	0.00000999	0.00000730	0.00000000		0.00014654
21			**Total**	**0.00153173**	**0.00020553**	**0.00006721**	**0.00002777**	**0.00002086**	**0.00002882**	**0.00000000**	**0.00035019**
22	**ISUP Signal Formulation**			sl p4 F26-27							
23	2111	20C	Land	0.00001193	0.00000000	0.00000109	0.00000045	0.00000016	0.00000056		0.00000227
24	2121	110C	Building	0.00013855	0.00000413	0.00000947	0.00000391	0.00000189	0.00000653		0.00002593
25	2212	377C	Digital Switch	0.00331457	0.00034544	0.00013916	0.00005751	0.00004515	0.00009318	0.00000000	0.00068044
26	2124	361C	General Purpose Comp.	0.00191029	0.00037452	0.00008618	0.00003562	0.00002602	0.00000000		0.00052233
27			**Total**	**0.00537534**	**0.00072409**	**0.00023590**	**0.00009749**	**0.00007322**	**0.00010028**	**0.00000000**	**0.00123097**
28	**ISUP Signal Transport**			sl p4 F31-38							
29	2111	20C	Land	0.00000266	0.00000000	0.00000024	0.00000010	0.00000004	0.00000013		0.00000051
30	2121	110C	Building	0.00003088	0.00000092	0.00000211	0.00000087	0.00000042	0.00000146		0.00000578
31	2212	377C	Digital Switch	0.00072092	0.00007513	0.00003027	0.00001251	0.00000982	0.00002027	0.00000000	0.00014799
32	2232.5	57C	Other Analog Equipment	0.00008924	0.00001211	0.00000374	0.00000155	0.00000122	0.00001660		0.00003522
33	2232.3	357C	Other Digital Equipment	0.00001818	0.00000197	0.00000077	0.00000032	0.00000025	0.00000040		0.00000369
34	2423.12,.22	845C	Buried Cbl Nonmetallic	0.00000677	0.00000045	0.00000036	0.00000015	0.00000009	0.00000011		0.00000117
35	2422.12,.22	85C	UG Cbl Nonmetallic	0.00000086	0.00000008	0.00000005	0.00000002	0.00000001	0.00000002		0.00000017
36	2441	4C	Conduit System	0.00000137	0.00000003	0.00000008	0.00000003	0.00000002	0.00000001		0.00000017
37	2124	361C	General Purpose Comp.	0.00191029	0.00037452	0.00008618	0.00003562	0.00002602	0.00000000		0.00052233
38			**Total**	**0.00278117**	**0.00046520**	**0.00012381**	**0.00005116**	**0.00003788**	**0.00003898**	**0.00000000**	**0.00071704**
39	**ISUP Signal Switching**			sl p4 F42-43							
40	2111	20C	Land	0.00000559	0.00000000	0.00000051	0.00000021	0.00000008	0.00000026		0.00000106
41	2121	110C	Building	0.00006492	0.00000194	0.00000443	0.00000183	0.00000088	0.00000306		0.00001215
42	2212	377C	Digital Switch	0.00155306	0.00016186	0.00006521	0.00002695	0.00002115	0.00004366	0.00000000	0.00031882
43	2124	361C	General Purpose Comp.	0.00053594	0.00010507	0.00002418	0.00000999	0.00000730	0.00000000		0.00014654
44			**Total**	**0.00215951**	**0.00026887**	**0.00009433**	**0.00003898**	**0.00002941**	**0.00004699**	**0.00000000**	**0.00047858**

Section I - Signaling
Signal - Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J	K
1							Signaling				
2	Compliance Phase IIa 1/31/03 8:33:20 AM			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Digital Electronic Expense - RTU 377C	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)	cD*(AP p7 cB)	cD*(AP p7 cC)	cD*(AP p7 cD)	cD*(AP p7 cE)	cD*(AP p1 B5)	sum(cE:cJ)
45	STP per Port			sl p5 G10							
46	2111	20C	Land	35.15920	0.00000	3.22315	1.33200	0.47889	1.65788		6.69191578
47	2121	110C	Building	408.23743	1.01492	2.32411	0.96046	0.46337	1.60415		6.36700618
48	2212	377C	Digital Switch	9766.44562	84.81954	34.17026	14.12118	11.08536	22.87983	0.00000	167.07616533
49			Total	10209.84225	85.83446	39.71752	16.41364	12.02761	26.14186	0.00000	180.13509
50	Investment Sources										
51	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)					Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)					
52											
53	See Investment column for source of other investments										

Section I - Signaling
Signaling - Inv & Exp Inputs

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2			SS7 SERVICE - PER SIGNALLED MESSAGE			
3						
4			SUMMARY OF INVESTMENTS AND EXPENSES			
5	Arizona					
6	Acct Code	Investment Per Signaling Message	Messages	Investment & Expenses Before Loadings	Loading Factor	Loaded Investment
7		A	B	C	D	E
8	Source	SS7 V4		A*B	Ap p13 cE	C Investments * D
9			TCAP SIGNAL TRANSPORT			
10	377C	$0.0000791459	2	$0.0001582919	1.1651	$0.0001844337
11	57C	$0.0000063441	2	$0.0000126881	1.1651	$0.0000147835
12	357C	$0.0000026691	2	$0.0000053383	1	$0.0000053383
13	357CS	$0.0000011992	2	$0.0000023984	1	$0.0000023984
14	67C		2	$0.0000000000	1	$0.0000000000
15	845C	$0.0000070404	2	$0.0000140807	1	$0.0000140807
16	85C	$0.0000009284	2	$0.0000018568	1	$0.0000018568
17	4C	$0.0000013926	2	$0.0000027852	1	$0.0000027852
18	361C	$0.0002030062	2	$0.0004060123	1	$0.0004060123
19	Expense	$0.0000246061	2	$0.0000492123		
20						
21			TCAP SIGNAL SWITCHING			
22	377C	$0.0003096724	2.64	$0.0008175352	1.1651	$0.0009525509
23	361C	$0.0002030062	2.64	$0.0005359363	1	$0.0005359363
24	Expense	$0.0000246061	2.64	$0.0000649602		
25						
26			ISUP SIGNAL FORMULATION			
27	377C	$0.0003023127	9.41	$0.0028447629	1.1651	$0.0033145747
28	361C	$0.0002030062	9.41	$0.0019102880	1	$0.0019102880
29	Expense	$0.0000246061	9.41	$0.0002315438		
30						
31			ISUP SIGNAL TRANSPORT			
32	377C	$0.0000657531	9.41	$0.0006187368	1.1651	$0.0007209210
33	57C	$0.0000081393	9.41	$0.0000765913	1.1651	$0.0000892403
34	357C	$0.0000019321	9.41	$0.0000181806	1	$0.0000181806
35	357CS	$0.0000001763	9.41	$0.0000016588	1	$0.0000016588
36	845C	$0.0000007190	9.41	$0.0000067655	1	$0.0000067655
37	85C	$0.0000000918	9.41	$0.0000008640	1	$0.0000008640
38	4C	$0.0000001457	9.41	$0.0000013708	1	$0.0000013708
39	361C	$0.0002030062	9.41	$0.0019102880	1	$0.0019102880
40	Expense	$0.0000246061	9.41	$0.0002315438		
41						
42			ISUP SIGNAL SWITCHING			
43	377C	$0.0001777241	7.5	$0.0013329310	1.1651	$0.0015530642
44	361C	$0.0002030062	7.5	$0.0015225462	1	$0.0015225462
45	Expense	$0.0000246061	7.5	$0.0001845461		

Section I - Signaling
SS7 STP-Inv & Exp Development

	A	B	C	D	E	F	G
1	Compliance Phase IIa 1/31/03 8:33:20 AM						
2							
3	Arizona						
4							
5			**Account Code**		**Investment**	**Invst Loading**	**Loaded Invst or Exp per Port**
6						AP p13 cE	cE*cF
7	EF&I Capital Investment/Port:		**377C**	D15/C19	$408.35		
8	Total 1999 Software Investment/Port:		**377**	D16/C19	$7,814.77		
9	EF&I Patch Panel & Cabling/Port:		**377C**		$159.02		
10	**Total 1999 Investment/STP Port**			E7+E8+E9	$8,382.14	1.1651	**$ 9,766.45**
11							
12							
13	**1999 STP Investments per Port and Getting Started Cost Calculations**						
14							
15	EF&I Capital Investment/Port:			$315.25			
16	Software Investment/Port:			$6,033.00			
17							
18							
19	Percent Working 12/95		**0.772 STP Port Average Fill**				
20							
21	Note 2: Calculation of Patch Panel Utilization Factor						
22				Ports	Patch Pnl		
23				32	48		
24				48	48		
25				64	72		
26				96	96		
27				128	144		
28					Patch Pnl UF		
29	slope				1.02		
30	slope+1				2.02		
31	Intercept				6.41		
32	Area under slope of STP ports installed				8461.24		
33	Area of Patch Panel ports installed				13168.55		
34	Best Fit Ratio of installed STP ports to installed Patch Panel ports				**0.64**		

Section I - Signaling
SS7 STP-Inv & Exp Development

Cell: A9
Comment: EF&I Patch Panel & Cabling per Port Investment - Calculated by

419.16/24 - The $419.16 are the '96 costs from network. The 24 equates to the plugs that go into the patch panel (they have to be bought in lots of 24).

+

(3400/2)/24 - The $3,400 is the cost of a frame cabinet that has two sides = 48 patch panel plug ins (thus the 2) and then by 24 again in order to get to a cost of a single plug in.

+

(222/2)/8 - The $222 is the total cost of cabling for a whole cabinet. (One port's worth of cabling for BOTH sides - again both sides explaining the 2). The 8 is the capacity.

Divided by

The Patch Panel Utilization factor.

Cell: C19
Comment: Percent Working 12/95 = (Total Signaling Terminals(STs) in use as of 11/94 + additional STs to be used in 1995)/(Total STs installed as of 11/94 + additional STs to be installed in 1995)
Percent Working 12/95 = (2333 + 80 + 80)/(3095 + 135)=0.772

Section J - Shared Transport
ST - Develop Total Prod Costs

	A	B	C	D	E	F	G	H
1		Compliance Phase IIa 1/31/03 8:33:20 AM						
2					Shared Transport per MOU			
3	Row	Arizona	Source or Calculation	Factor Value (AP p1 cB)	Switching	Transport	Direct Expenses	Total
4				A	B	C	D	E = B+D+C
5	1	Investment	sJ p2 cD		0.002476	0.001624		0.004100
6	2							
7	3	Investment Based Costs (IBC)	sJ p2 cK		0.000514	0.000305		0.000819
8	4	Element Specific Expenses	sE p5 E8				0.000277	0.000277
9	5	*Total IBC + Element Specific Expenses*	*r3 + r4*		0.000514	0.000305	0.000277	0.001096
10	6							
11	7	*Directly Assigned*						
12	8	Product Management Expense	cA*r5	0.03428	0.000018	0.000010	0.000009	0.000038
13	9	Sales Expense	cA*r5	0.01133	0.000006	0.000003	0.000003	0.000012
14	10	Product Advertising Expense	cA*r5	0.00000	0.000000	0.000000	0.000000	0.000000
15	11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.000001	0.000001	0.000001	0.000002
16	12	*Directly Assigned Costs*	*Sum r8:r11*		0.000024	0.000014	0.000013	0.000052
17	13							
18	14	*Total Direct*	*r5 + r12*		0.000538	0.000319	0.000290	0.001148
19	15							
20	16	*Directly Attributed*						
21	17	Network Operations	cA*r14	0.05029	0.000027	0.000016	0.000015	0.000058
22	18	Network Support Assets	cA*r14	0.01538	0.000008	0.000005	0.000004	0.000018
23	19	General Support Assets	cA*r14	0.08064	0.000043	0.000026	0.000023	0.000093
24	20	General Purpose Computers	cA*r14	0.03644	0.000020	0.000012	0.000011	0.000042
25	21	Uncollectible - Interconnect	cA*r14	0.00102	0.000001	0.000000	0.000000	0.000001
26	22	Accounting and Finance Expense	cA*r14	0.00752	0.000004	0.000002	0.000002	0.000009
27	23	Human Resources Expense	cA*r14	0.00726	0.000004	0.000002	0.000002	0.000008
28	24	Information Management Expense	cA*r14	0.05157	0.000028	0.000016	0.000015	0.000059
29	25	Intangibles	cA*r14	0.00252	0.000001	0.000001	0.000001	0.000003
30	26	*Total Directly Attributed Costs*	*Sum r17:r25*		0.000136	0.000081	0.000073	0.000290
31	27							
32	28	*Total Element Long Run Incremental Costs*	*r 14 + r26*		0.000674	0.000400	0.000363	0.001438
33	29							
34	30	*Common*						
35	31	Executive Expense	cA*r28	0.00579	0.000004	0.000002	0.000002	0.000008
36	32	Planning Expense	cA*r28	0.00050	0.000000	0.000000	0.000000	0.000001
37	33	External Relations Expense	cA*r28	0.00817	0.000006	0.000003	0.000003	0.000012
38	34	Legal Expense	cA*r28	0.00535	0.000004	0.000002	0.000002	0.000008
39	35	Other Procurement Expense	cA*r28	0.00203	0.000001	0.000001	0.000001	0.000003
40	36	Research and Development Expense	cA*r28	0.00003	0.000000	0.000000	0.000000	0.000000
41	37	Other General and Admin Exp	cA*r28	0.01578	0.000011	0.000006	0.000006	0.000023
42	38	*Total Common Costs*	*Sum r31:r37*		0.000025	0.000015	0.000014	0.000054
43	39							
44	40	*TELRIC + Common*	*r27 + r38*		0.000700	0.000415	0.000377	0.001492
45								
46								
47		c = column, r = row, s = section, p = page, AP = Appendix						

Compliance Phase IIA 1/31/03 8:33:20 AM
Arizona

Section J - Shared Transport
ST -Investment Cost Calculation

	A	B	C	D	E	F	G	H	I	J	K
4	Acct	FRC	Account Name	Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
5					Shared Transport						
6	Switched Transport per MOU										
7			**Switched**	sJ p5 cN	cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	cD*(AP p1 B5)	sum(cE:cJ)
8		20C	Land	0.000008							
9	sE p6 E7	110C	Building	0.000095	0.000000						
10		361C	General Purpose Comp.	0.000111	0.000003	0.000001					
11		377C	Other Digital Equipment	0.002262	0.000022	0.000006	0.000000				
12			**Total**	**0.002476**	**0.000260**	**0.000005**	**0.000003**	0.000000			
13			**Transport**			**0.000095**	**0.000002**	0.000001	0.000000		
14		20C	Land	0.000003	0.000000		**0.000039**	0.000002	0.000004		
15		110C	Building	0.000041	0.000001	0.000000		**0.000031**	0.000000		0.000002
16		85C	UG Cbl Nonmetallic	0.000277	0.000025	0.000003	0.000000		**0.000064**		0.000018
17		357C	Other Digital Equipment	0.000649	0.000070	0.000016	0.000001	0.000000		**0.000066**	0.000030
18		357CS	Other Digital Equipment	0.000348	0.000038	0.000027	0.000006	0.000001	0.000000		**0.000464**
19		4C	Conduit System	0.000295	0.000007	0.000015	0.000011	0.000004	0.000002		
20		845C	Buried Cbl Nonmetallic	0.000010	0.000001	0.000017	0.000006	0.000009	0.000005		0.000001
21			**Total**	**0.001624**	**0.000141**	0.000001	0.000007	0.000005	0.000014		0.000008
22	**Investment Sources**					**0.000078**	0.000000	0.000004	0.000007		0.000056
23	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						**0.000032**	0.000000	0.000002		0.000132
24								**0.000022**	0.000000		0.000071
25									**0.000031**		0.000037
26										**0.000000**	0.000002
27											**0.000305**
28							Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)				
29											

This spreadsheet uses the investment related factors from the Investment Factors spreadsheet to calculate monthly or per event depreciation, cost of money, income tax, ad Valorem and maintenance expenses for recurring cost elements. The land and buildings investments are calculated from the circuit and switching investments by applying the appropriate factors from the L & B Factors spreadsheet.

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					
2	**Shared Transport**					
3	**Arizona**					
4	**Description**	**Source**	**Default Value**	**Overrides**	**This Run**	**Instructions**
5				AP p16 cC		
6	Miles (Default is from SLUS)	SLUS	6.2310		6.2310	Enter average air miles per trunk
7	End Office to End Office Weighting	Transport Model	54.46%		54.46%	Percent of total local trunks from end office to end office
8	End Office to Local Tandem Weighting	Transport Model	8.62%		8.62%	Percent of total local trunks from end office to local Tandem.
9	End Office to Access Tandem	Transport Model	36.92%		36.92%	Percent of total local trunks from end office to Access Tandem.
10						
11	The spreadsheet shows the Override data entered by the user in ICM's custom input screens. If the user					
12	has input override data, the spreadsheet will determine this and display the override data in the					
13	Overrides column. The this run column will show the Override or the Default Value if no override has					
14	been entered.					

Calculation of Fixed Investment per MOU

Compliance Phase IIa 1/31/03 8:33:20 AM

	FRC		Set-Up Inv. per Call	per Minute Inv.	Average Hold Time	Number of Legs	Fixed Inv. per Minute of Use
			IOF - FACILITIES				
			A	B	C	D	E=((A/C)+B)*D
			sJ p7 cG	sJ p7 cG	sD p13 E6		
End Office to End Office							
Fixed	357C		$ 0.00010816	$ 0.00047963	2.94	1.00	$ 0.000516
Fixed	357CS		$ 0.00003787	$ 0.00016792	2.94	1.00	$ 0.000181
Per Air Mile	357C	*	$ 0.00000115	$ 0.00000511	2.94	1.00	$ 0.000005
Per Air Mile	357CS	*	$ 0.00002227	$ 0.00009875	2.94	1.00	$ 0.000106
Per Air Mile	4C	*	$ 0.00005329	$ 0.00023632	2.94	1.00	$ 0.000254
Per Air Mile	845C	*	$ 0.00000189	$ 0.00000840	2.94	1.00	$ 0.000009
Per Air Mile	85C	*	$ 0.00005017	$ 0.00022249	2.94	1.00	$ 0.000240
End Office to Local Tandem							
Fixed	357C		$ 0.00010907	$ 0.00048370	2.94	2.00	$ 0.001041
Fixed	357CS		$ 0.00003819	$ 0.00016934	2.94	2.00	$ 0.000365
Per Air Mile	357C	*	$ 0.00000116	$ 0.00000515	2.94	1.00	$ 0.000006
Per Air Mile	357CS	*	$ 0.00002246	$ 0.00009959	2.94	1.00	$ 0.000107
Per Air Mile	4C	*	$ 0.00005374	$ 0.00023833	2.94	1.00	$ 0.000257
Per Air Mile	845C	*	$ 0.00000191	$ 0.00000847	2.94	1.00	$ 0.000009
Per Air Mile	85C	*	$ 0.00005060	$ 0.00022437	2.94	1.00	$ 0.000242
End Office to Access Tandem							
Fixed	357C		$ 0.00015431	$ 0.00068429	2.94	1.00	$ 0.000737
Fixed	357CS		$ 0.00005402	$ 0.00023957	2.94	1.00	$ 0.000258
Per Air Mile	357C	*	$ 0.00000164	$ 0.00000728	2.94	1.00	$ 0.000008
Per Air Mile	357CS	*	$ 0.00003177	$ 0.00014089	2.94	1.00	$ 0.000152
Per Air Mile	4C	*	$ 0.00007603	$ 0.00033716	2.94	1.00	$ 0.000363
Per Air Mile	845C	*	$ 0.00000270	$ 0.00001198	2.94	1.00	$ 0.000013
Per Air Mile	85C	*	$ 0.00007158	$ 0.00031743	2.94	1.00	$ 0.000342

* Per Air Mile investment from sJ p11 cG X Miles (sJ p3 E6)

Calculation of weighted total investments per MOU

Transport	FRC	Fixed M.O.U. Investments	Weighting	Total Investment/Unit
		F	G	H
		p4 cE summed by FRC		=F*G
End Office - End Office	357C	$ 0.000522	54.46%	$ 0.000284
	357CS	$ 0.000287	54.46%	$ 0.000156
	4C	$ 0.000254	54.46%	$ 0.000139
	845C	$ 0.000009	54.46%	$ 0.000005
	85C	$ 0.000240	54.46%	$ 0.000130
End Office - Local Tandem	357C	$ 0.001047	8.62%	$ 0.000090
	357CS	$ 0.000472	8.62%	$ 0.000041
	4C	$ 0.000257	8.62%	$ 0.000022
	845C	$ 0.000009	8.62%	$ 0.000001
	85C	$ 0.000242	8.62%	$ 0.000021
End Office - Access Tande	357C	$ 0.000745	36.92%	$ 0.000275
	357CS	$ 0.000410	36.92%	$ 0.000151
	4C	$ 0.000363	36.92%	$ 0.000134
	845C	$ 0.000013	36.92%	$ 0.000005
	85C	$ 0.000342	36.92%	$ 0.000126
Total Transport	357C			$ 0.000649
	357CS			$ 0.000348
	4C			$ 0.000295
	845C			$ 0.000010
	85C			$ 0.000277

Compliar

Elen Switc	
End Office - E	
End Office - L	
End Office - A	
Total Switchin	

Compliance Phase IIa 1/31/03 8:33:20 AM

IOF - FACILITIES

:r Minute Inv.	Average Hold Time	Number of Legs	Fixed Inv. per Minute of Use
B	C	D	E=((A/C)+B)*D
:J p7 cG	sD p13 E6		
0.00047963	2.94	1.00	$ 0.000516
0.00016792	2.94	1.00	$ 0.000181
0.00000511	2.94	1.00	$ 0.000005
0.00009875	2.94	1.00	$ 0.000106
0.00023632	2.94	1.00	$ 0.000254
0.00000840	2.94	1.00	$ 0.000009
0.00022249	2.94	1.00	$ 0.000240
0.00048370	2.94	2.00	$ 0.001041
0.00016934	2.94	2.00	$ 0.000365
0.00000515	2.94	1.00	$ 0.000006
0.00009959	2.94	1.00	$ 0.000107
0.00023833	2.94	1.00	$ 0.000257
0.00000847	2.94	1.00	$ 0.000009
0.00022437	2.94	1.00	$ 0.000242
0.00068429	2.94	1.00	$ 0.000737
0.00023957	2.94	1.00	$ 0.000258
0.00000728	2.94	1.00	$ 0.000008
0.00014089	2.94	1.00	$ 0.000152
0.00033716	2.94	1.00	$ 0.000363
0.00001198	2.94	1.00	$ 0.000013
0.00031743	2.94	1.00	$ 0.000342

Calculation of weighted total investments per MOU

Transport	FRC	Fixed M.O.U. Investments	Weighting	Total Investment/Unit
		F	G	H
		p4 cE summed by FRC		=F*G
End Office - End Office	357C	$ 0.000522	54.46%	$ 0.000284
	357CS	$ 0.000287	54.46%	$ 0.000156
	4C	$ 0.000254	54.46%	$ 0.000139
	845C	$ 0.000009	54.46%	$ 0.000005
	85C	$ 0.000240	54.46%	$ 0.000130
End Office - Local Tandem	357C	$ 0.001047	8.62%	$ 0.000090
	357CS	$ 0.000472	8.62%	$ 0.000041
	4C	$ 0.000257	8.62%	$ 0.000022
	845C	$ 0.000009	8.62%	$ 0.000001
	85C	$ 0.000242	8.62%	$ 0.000021
End Office - Access Tande	357C	$ 0.000745	36.92%	$ 0.000275
	357CS	$ 0.000410	36.92%	$ 0.000151
	4C	$ 0.000363	36.92%	$ 0.000134
	845C	$ 0.000013	36.92%	$ 0.000005
	85C	$ 0.000342	36.92%	$ 0.000126
Total Transport	357C			$ 0.000649
	357CS			$ 0.000348
	4C			$ 0.000295
	845C			$ 0.000010
	85C			$ 0.000277

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Elements Switching	FRC	Tandem Investment per MOU	Weighting	Total Investment/Unit
		I	J	K
		sD p8 M27		=I*J
End Office - End Office	377C	$ -	54%	$ -
End Office - Local Tandem	377C	$ 0.004967	9%	$ 0.000428
End Office - Access Tandem	377C	$ 0.004967	37%	$ 0.001834
Total Switching	377C			$ 0.002262

Cell: L5
Comment: Column F - 357C and 357CS investments are total of fixed and per air mile investments which was converted to fixed in column E. All other accounts = column E.

	A	B	C	D	E	F	G
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona	
2	Type of Costs	Mileage Bands	Fixed or Variable	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total
3							
4	**End Office to End Office**						
5	Conversation Minute	Average	Fixed	357C	0.00047869	0.00000094	0.00047963
6	Conversation Minute	Average	Fixed	357CS	0.00016792	0.00000000	0.00016792
7	Conversation Minute	Average	Per Air Mile	357C	0.00000063	0.00000019	0.00000082
8	Conversation Minute	Average	Per Air Mile	357CS	0.00001585	0.00000000	0.00001585
9	Conversation Minute	Average	Per Air Mile	4C	0.00003793	0.00000000	0.00003793
10	Conversation Minute	Average	Per Air Mile	845C	0.00000090	0.00000044	0.00000135
11	Conversation Minute	Average	Per Air Mile	85C	0.00002392	0.00001178	0.00003571
12	Setup Time	Average	Fixed	357C	0.00010794	0.00000021	0.00010816
13	Setup Time	Average	Fixed	357CS	0.00003787	0.00000000	0.00003787
14	Setup Time	Average	Per Air Mile	357C	0.00000014	0.00000004	0.00000018
15	Setup Time	Average	Per Air Mile	357CS	0.00000357	0.00000000	0.00000357
16	Setup Time	Average	Per Air Mile	4C	0.00000855	0.00000000	0.00000855
17	Setup Time	Average	Per Air Mile	845C	0.00000020	0.00000010	0.00000030
18	Setup Time	Average	Per Air Mile	85C	0.00000539	0.00000266	0.00000805
19							
20	**End Office to Tandem**						
21	Conversation Minute	Average	Fixed	357C	0.00048275	0.00000095	0.00048370
22	Conversation Minute	Average	Fixed	357CS	0.00016934	0.00000000	0.00016934
23	Conversation Minute	Average	Per Air Mile	357C	0.00000064	0.00000019	0.00000083
24	Conversation Minute	Average	Per Air Mile	357CS	0.00001598	0.00000000	0.00001598
25	Conversation Minute	Average	Per Air Mile	4C	0.00003825	0.00000000	0.00003825
26	Conversation Minute	Average	Per Air Mile	845C	0.00000091	0.00000045	0.00000136
27	Conversation Minute	Average	Per Air Mile	85C	0.00002413	0.00001188	0.00003601
28	Setup Time	Average	Fixed	357C	0.00010886	0.00000021	0.00010907
29	Setup Time	Average	Fixed	357CS	0.00003819	0.00000000	0.00003819
30	Setup Time	Average	Per Air Mile	357C	0.00000014	0.00000004	0.00000019
31	Setup Time	Average	Per Air Mile	357CS	0.00000360	0.00000000	0.00000360
32	Setup Time	Average	Per Air Mile	4C	0.00000862	0.00000000	0.00000862
33	Setup Time	Average	Per Air Mile	845C	0.00000021	0.00000010	0.00000031
34	Setup Time	Average	Per Air Mile	85C	0.00000544	0.00000268	0.00000812
35							
36	**End Office to Access Tandem**						
37	Conversation Minute	Average	Fixed	357C	0.00068295	0.00000134	0.00068429
38	Conversation Minute	Average	Fixed	357CS	0.00023957	0.00000000	0.00023957
39	Conversation Minute	Average	Per Air Mile	357C	0.00000090	0.00000027	0.00000117
40	Conversation Minute	Average	Per Air Mile	357CS	0.00002261	0.00000000	0.00002261
41	Conversation Minute	Average	Per Air Mile	4C	0.00005411	0.00000000	0.00005411
42	Conversation Minute	Average	Per Air Mile	845C	0.00000129	0.00000063	0.00000192
43	Conversation Minute	Average	Per Air Mile	85C	0.00003413	0.00001681	0.00005094
44	Setup Time	Average	Fixed	357C	0.00015401	0.00000030	0.00015431
45	Setup Time	Average	Fixed	357CS	0.00005402	0.00000000	0.00005402
46	Setup Time	Average	Per Air Mile	357C	0.00000020	0.00000006	0.00000026
47	Setup Time	Average	Per Air Mile	357CS	0.00000510	0.00000000	0.00000510
48	Setup Time	Average	Per Air Mile	4C	0.00001220	0.00000000	0.00001220
49	Setup Time	Average	Per Air Mile	845C	0.00000029	0.00000014	0.00000043
50	Setup Time	Average	Per Air Mile	85C	0.00000770	0.00000379	0.00001149
51	SOURCE: Transport Model, version 4.2						
52	TYPE: DS0 Switched Circuits (Does not include D4 Channel Banks						
53	therefore is not synonymous with DS0 Private Line Circuits.)						
54							
55	**This spreadsheet summarizes the results of the Transport Model. Fixed is not an economic**						
56	**term. Fixed refers to investments that do not change based on distance.**						
57							
58							

Section K - Unbundled Dedicated InterofficeTransport
DS0 UDIT- Dev Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
				DS0 UDIT							
			A	B	C	D	E	F	G	H	I
1	Investment	sK p7-8 cD Total		820.1934	6.8825	821.1934	5.9219	822.6878	6.0132	820.8731	2.8489
2											
3	Investment Based Costs (IBC)	sK p7-8 cJ Total		13.84021	0.09680	13.85705	0.08309	13.88222	0.08547	13.85166	0.04035
4	Element Specific Expenses	AP p3 F41*r3		0.05957	0.00042	0.05964	0.00036	0.05975	0.00037	0.05962	0.00017
5	***Total IBC + Element Specific Expenses***	***r3 + r4***		13.89978	0.09721	13.91669	0.08344	13.94197	0.08583	13.91127	0.04053
6											
7	***Directly Assigned***										
8	Product Management Expense	cA*r5	0.03428	0.47650	0.00333	0.47708	0.00286	0.47794	0.00294	0.47689	0.00139
9	Sales Expense	cA*r5	0.01133	0.15753	0.00110	0.15772	0.00095	0.15800	0.00097	0.15766	0.00046
10	Product Advertising Expense	cA*r5	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.02686	0.00019	0.02689	0.00016	0.02694	0.00017	0.02688	0.00008
12	***Directly Assigned Costs***	***Sum r8:r11***		0.66088	0.00462	0.66169	0.00397	0.66289	0.00408	0.66143	0.00193
13											
14	***Total Direct***	***r5 + r12***		14.56066	0.10184	14.57838	0.08741	14.60486	0.08992	14.57270	0.04245
15											
16	***Directly Attributed***										
17	Network Operations	cA*r14	0.05029	0.73224	0.00512	0.73313	0.00440	0.73446	0.00452	0.73285	0.00213
18	Network Support Assets	cA*r14	0.01538	0.22387	0.00157	0.22414	0.00134	0.22455	0.00138	0.22406	0.00065
19	General Support Assets	cA*r14	0.08064	1.17414	0.00821	1.17557	0.00705	1.17771	0.00725	1.17511	0.00342
20	General Purpose Computers	cA*r14	0.03644	0.53055	0.00371	0.53119	0.00319	0.53216	0.00328	0.53099	0.00155
21	Uncollectible - Interconnect	cA*r14	0.00102	0.01481	0.00010	0.01483	0.00009	0.01485	0.00009	0.01482	0.00004
22	Accounting and Finance Expense	cA*r14	0.00752	0.10954	0.00077	0.10967	0.00066	0.10987	0.00068	0.10963	0.00032
23	Human Resources Expense	cA*r14	0.00726	0.10575	0.00074	0.10588	0.00063	0.10608	0.00065	0.10584	0.00031
24	Information Management Expense	cA*r14	0.05157	0.75089	0.00525	0.75181	0.00451	0.75317	0.00464	0.75151	0.00219
25	Intangibles	cA*r14	0.00252	0.03663	0.00026	0.03668	0.00022	0.03675	0.00023	0.03666	0.00011
26	***Total Directly Attributed Costs***	***Sum r17:r25***		3.67843	0.02573	3.68291	0.02208	3.68960	0.02272	3.68147	0.01072
27											
28	***Total Element Long Run Incremental Costs***	***r 14 + r26***		18.23909	0.12756	18.26129	0.10949	18.29446	0.11263	18.25418	0.05318
29											
30	***Common***										
31	Executive Expense	cA*r28	0.00579	0.10553	0.00074	0.10566	0.00063	0.10585	0.00065	0.10562	0.00031
32	Planning Expense	cA*r28	0.00050	0.00908	0.00006	0.00909	0.00005	0.00911	0.00006	0.00909	0.00003
33	External Relations Expense	cA*r28	0.00817	0.14901	0.00104	0.14919	0.00089	0.14947	0.00092	0.14914	0.00043
34	Legal Expense	cA*r28	0.00535	0.09762	0.00068	0.09773	0.00059	0.09791	0.00060	0.09770	0.00028
35	Other Procurement Expense	cA*r28	0.00203	0.03693	0.00026	0.03698	0.00022	0.03705	0.00023	0.03696	0.00011
36	Research and Development Expense	cA*r28	0.00003	0.00057	0.00000	0.00057	0.00000	0.00057	0.00000	0.00057	0.00000
37	Other General and Admin Exp	cA*r28	0.01578	0.28783	0.00201	0.28818	0.00173	0.28870	0.00178	0.28807	0.00084
38	***Total Common Costs***	***Sum r31:r37***		0.68857	0.00480	0.68741	0.00412	0.68866	0.00424	0.68714	0.00200
39											
40	***TELRIC + Common***	***r27 + r38***		18.93	0.13	18.95	0.11	18.98	0.12	18.94	0.06

c = column, r = row, s = section, p = page, AP = Appendix

Section K - Unbundled Dedicated InterofficeTransport
DS1 UDIT- Dev Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	DS1 UDIT Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
			A	D	E	F	G	H	I	J	K
1	Investment	sK p9-10 cD Total		1326.33	74.30	1337.49	61.07	1357.31	108.23	1355.75	56.68
2											
3	Investment Based Costs (IBC)	sK p9-10 cJ Total		22.37089	1.04203	22.55894	0.84486	22.89275	1.53499	22.86652	0.80103
4	Element Specific Expenses	AP p3 F41*r3		0.09628	0.00448	0.09709	0.00364	0.09853	0.00661	0.09842	0.00345
5	***Total IBC + Element Specific Expenses***	*r3 + r4*		22.46717	1.04651	22.65603	0.84850	22.99128	1.54159	22.96494	0.80448
6											
7	***Directly Assigned***										
8	Product Management Expense	cA*r5	0.03428	0.77020	0.03588	0.77667	0.02909	0.78816	0.05285	0.78726	0.02758
9	Sales Expense	cA*r5	0.01133	0.25462	0.01186	0.25676	0.00962	0.26056	0.01747	0.26026	0.00912
10	Product Advertising Expense	cA*r5	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.04341	0.00202	0.04378	0.00164	0.04443	0.00298	0.04438	0.00155
12	***Directly Assigned Costs***	*Sum r8:r11*		1.06823	0.04976	1.07721	0.04034	1.09315	0.07330	1.09190	0.03825
13											
14	***Total Direct***	*r5 + r12*		23.53540	1.09627	23.73325	0.88884	24.08444	1.61489	24.05683	0.84273
15											
16	***Directly Attributed***										
17	Network Operations	cA*r14	0.05029	1.18357	0.05513	1.19352	0.04470	1.21118	0.08121	1.20979	0.04238
18	Network Support Assets	cA*r14	0.01538	0.36186	0.01686	0.36490	0.01367	0.37030	0.02483	0.36987	0.01296
19	General Support Assets	cA*r14	0.08064	1.89785	0.08840	1.91380	0.07167	1.94212	0.13022	1.93990	0.06796
20	General Purpose Computers	cA*r14	0.03644	0.85756	0.03994	0.86477	0.03239	0.87756	0.05884	0.87656	0.03071
21	Uncollectible - Interconnect	cA*r14	0.00102	0.02394	0.00111	0.02414	0.00090	0.02449	0.00164	0.02447	0.00086
22	Accounting and Finance Expense	cA*r14	0.00752	0.17706	0.00825	0.17855	0.00669	0.18119	0.01215	0.18098	0.00634
23	Human Resources Expense	cA*r14	0.00726	0.17094	0.00796	0.17237	0.00646	0.17493	0.01173	0.17472	0.00612
24	Information Management Expense	cA*r14	0.05157	1.21372	0.05653	1.22392	0.04584	1.24203	0.08328	1.24061	0.04346
25	Intangibles	cA*r14	0.00252	0.05922	0.00276	0.05971	0.00224	0.06060	0.00406	0.06053	0.00212
26	***Total Directly Attributed Costs***	*Sum r17:r25*		5.94570	0.27695	5.99568	0.22455	6.08440	0.40797	6.07743	0.21290
27											
28	***Total Element Long Run Incremental Costs***	*r14 + r26*		29.40110	1.37322	29.72893	1.11339	30.16884	2.02286	30.13426	1.05562
29											
30	***Common***										
31	Executive Expense	cA*r28	0.00579	0.17058	0.00795	0.17201	0.00644	0.17456	0.01170	0.17436	0.00611
32	Planning Expense	cA*r28	0.00050	0.01468	0.00068	0.01481	0.00055	0.01502	0.00101	0.01501	0.00053
33	External Relations Expense	cA*r28	0.00817	0.24086	0.01122	0.24289	0.00910	0.24648	0.01653	0.24620	0.00862
34	Legal Expense	cA*r28	0.00535	0.15778	0.00735	0.15911	0.00596	0.16146	0.01083	0.16128	0.00565
35	Other Procurement Expense	cA*r28	0.00203	0.05970	0.00278	0.06020	0.00225	0.06109	0.00410	0.06102	0.00214
36	Research and Development Expense	cA*r28	0.00003	0.00091	0.00004	0.00092	0.00003	0.00094	0.00006	0.00093	0.00003
37	Other General and Admin Exp	cA*r28	0.01578	0.46524	0.02167	0.46915	0.01757	0.47609	0.03192	0.47555	0.01666
38	***Total Common Costs***	*Sum r31:r37*		1.10976	0.05169	1.11909	0.04191	1.13565	0.07615	1.13434	0.03974
39											
40	***TELRIC + Common***	*r27 + r38*		30.59	1.42	30.85	1.16	31.30	2.10	31.27	1.10

c = column, r = row, s = section, p = page, AP = Appendix

Section K - Unbundled Dedicated InterofficeTransport
DS3 UDIT- Dev Total Prod Costs

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Row	Arizona	Source or Calculation	Factor Value [AP p1 cB]	DS3 UDIT Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
			A	D	E	F	G	H	I	J	K
1	Investment	sK p11-12 cD Total		$8,412.92	$3,103.70	$8,542.17	$1,053.07	$7,862.68	$1,195.63	$8,305.37	$817.13
2											
3	Investment Based Costs (IBC)	sK p11-12 cJ Total		141.7432	43.9426	143.9202	13.4903	132.4746	17.0455	139.9315	11.7394
4	Element Specific Expenses	AP p3 F41*r3		0.6101	0.1891	0.6194	0.0581	0.5702	0.0734	0.6023	0.0505
5	***Total IBC + Element Specific Expenses***	***r3 + r4***		142.3533	44.1317	144.5397	13.5483	133.0448	17.1189	140.5338	11.7899
6											
7	***Directly Assigned***										
8	Product Management Expense	cA*r5	0.03428	4.8800	1.5129	4.9550	0.4644	4.5609	0.5869	4.8176	0.4042
9	Sales Expense	cA*r5	0.01133	1.6133	0.5001	1.6381	0.1535	1.5078	0.1940	1.5927	0.1336
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.2751	0.0853	0.2793	0.0262	0.2571	0.0331	0.2716	0.0228
12	***Directly Assigned Costs***	***Sum r8:r11***		6.7684	2.0983	6.8723	0.6442	6.3258	0.8139	6.6819	0.5606
13											
14	***Total Direct***	***r5 + r12***		149.1216	46.2300	151.4120	14.1925	139.3706	17.9328	147.2156	12.3505
15											
16	***Directly Attributed***										
17	Network Operations	cA*r14	0.05029	7.4992	2.3249	7.6144	0.7137	7.0088	0.9018	7.4033	0.6211
18	Network Support Assets	cA*r14	0.01538	2.2927	0.7108	2.3280	0.2182	2.1428	0.2757	2.2634	0.1899
19	General Support Assets	cA*r14	0.08064	12.0249	3.7279	12.2096	1.1445	11.2386	1.4461	11.8712	0.9959
20	General Purpose Computers	cA*r14	0.03644	5.4335	1.6845	5.5170	0.5171	5.0782	0.6534	5.3641	0.4500
21	Uncollectible - Interconnect	cA*r14	0.00102	0.1517	0.0470	0.1540	0.0144	0.1417	0.0182	0.1497	0.0126
22	Accounting and Finance Expense	cA*r14	0.00752	1.1218	0.3478	1.1391	0.1068	1.0485	0.1349	1.1075	0.0929
23	Human Resources Expense	cA*r14	0.00726	1.0831	0.3358	1.0997	0.1031	1.0122	0.1302	1.0692	0.0897
24	Information Management Expense	cA*r14	0.05157	7.6902	2.3841	7.8083	0.7319	7.1873	0.9248	7.5919	0.6369
25	Intangibles	cA*r14	0.00252	0.3752	0.1163	0.3810	0.0357	0.3507	0.0451	0.3704	0.0311
26	***Total Directly Attributed Costs***	***Sum r17:r25***		37.6723	11.6790	38.2509	3.5854	35.2089	4.5303	37.1908	3.1201
27											
28	***Total Element Long Run Incremental Costs***	***r14 + r26***		186.7939	57.9090	189.6629	17.7779	174.5795	22.4632	184.4064	15.4706
29											
30	***Common***										
31	Executive Expense	cA*r28	0.00579	1.0808	0.3351	1.0974	0.1029	1.0101	0.1300	1.0670	0.0895
32	Planning Expense	cA*r28	0.00050	0.0930	0.0288	0.0945	0.0089	0.0869	0.0112	0.0918	0.0077
33	External Relations Expense	cA*r28	0.00817	1.5261	0.4731	1.5495	0.1452	1.4263	0.1835	1.5066	0.1264
34	Legal Expense	cA*r28	0.00535	0.9997	0.3099	1.0151	0.0951	0.9343	0.1202	0.9869	0.0828
35	Other Procurement Expense	cA*r28	0.00203	0.3783	0.1173	0.3841	0.0360	0.3535	0.0455	0.3734	0.0313
36	Research and Development Expense	cA*r28	0.00003	0.0058	0.0018	0.0059	0.0006	0.0054	0.0007	0.0057	0.0005
37	Other General and Admin Exp	cA*r28	0.01578	2.9478	0.9139	2.9931	0.2806	2.7550	0.3545	2.9101	0.2441
38	***Total Common Costs***	***Sum r31:r37***		7.0315	2.1799	7.1395	0.6692	6.5717	0.8456	6.9416	0.5824
39											
40	***TELRIC + Common***	***r27 + r38***		$193.83	$60.09	$196.80	$18.45	$181.15	$23.31	$191.35	$16.05

c = column, r = row, s = section, p = page, AP = Appendix

Section K - Unbundled Dedicated InterofficeTransport
OC3 UDIT- Dev Total Prod Costs

Compliance Phase IIa 1/31/03 8:33:20 AM

Row	Arizona	Source or Calculation	Factor Value [AP p1 cB]	OC3 UDIT Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
			A	D	E	F	G	H	I	J	K
1	Investment	sK p13-14 cD Total		$27,949.61	$10,122.74	$28,165.88	$3,667.69	$26,996.86	$4,270.51	$27,746.49	$3,046.97
2											
3	Investment Based Costs (IBC)	sK p13-14 cJ Total		470.7847	147.7227	474.4279	47.4960	454.7355	61.8309	467.3632	43.7835
4	Element Specific Expenses	AP p3 F41*r4		2.0263	0.6358	2.0419	0.2044	1.9572	0.2661	2.0115	0.1884
5	*Total IBC + Element Specific Expenses*	*r3 + r4*		472.8110	148.3585	476.4699	47.7004	456.6927	62.0970	469.3748	43.9720
6											
7	*Directly Assigned*										
8	Product Management Expense	cA*r5	0.03428	16.2084	5.0859	16.3339	1.6352	15.6559	2.1287	16.0906	1.5074
9	Sales Expense	cA*r5	0.01133	5.3584	1.6813	5.3998	0.5406	5.1757	0.7037	5.3194	0.4983
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.9136	0.2867	0.9207	0.0922	0.8825	0.1200	0.9070	0.0850
12	*Directly Assigned Costs*	*Sum r8:r11*		22.4804	7.0539	22.6544	2.2680	21.7140	2.9525	22.3170	2.0907
13											
14	*Total Direct*	*r5 + r12*		495.2914	155.4124	499.1242	49.9684	478.4067	65.0495	491.6918	46.0627
15											
16	*Directly Attributed*										
17	Network Operations	cA*r14	0.05029	24.9077	7.8155	25.1005	2.5129	24.0586	3.2713	24.7267	2.3164
18	Network Support Assets	cA*r14	0.01538	7.6151	2.3895	7.6740	0.7683	7.3555	1.0001	7.5598	0.7082
19	General Support Assets	cA*r14	0.08064	39.9393	12.5321	40.2484	4.0294	38.5778	5.2455	39.6490	3.7144
20	General Purpose Computers	cA*r14	0.03644	18.0469	5.6628	18.1866	1.8207	17.4317	2.3702	17.9158	1.6784
21	Uncollectible - Interconnect	cA*r14	0.00102	0.5037	0.1581	0.5076	0.0508	0.4865	0.0662	0.5001	0.0468
22	Accounting and Finance Expense	cA*r14	0.00752	3.7261	1.1692	3.7549	0.3759	3.5991	0.4894	3.6990	0.3465
23	Human Resources Expense	cA*r14	0.00726	3.5973	1.1288	3.6251	0.3629	3.4747	0.4725	3.5712	0.3346
24	Information Management Expense	cA*r14	0.05157	25.5422	8.0146	25.7398	2.5769	24.6714	3.3546	25.3565	2.3755
25	Intangibles	cA*r14	0.00252	1.2462	0.3910	1.2558	0.1257	1.2037	0.1637	1.2371	0.1159
26	*Total Directly Attributed Costs*	*Sum r17:r25*		125.1245	39.2615	126.0928	12.6234	120.8589	16.4333	124.2151	11.6367
27											
28	*Total Element Long Run Incremental Costs*	*r 14 + r26*		620.4159	194.6739	625.2170	62.5918	599.2656	81.4829	615.9069	57.6994
29											
30	*Common*										
31	Executive Expense	cA*r28	0.00579	3.5897	1.1264	3.6175	0.3622	3.4674	0.4715	3.5636	0.3338
32	Planning Expense	cA*r28	0.00050	0.3090	0.0969	0.3114	0.0312	0.2984	0.0406	0.3067	0.0287
33	External Relations Expense	cA*r28	0.00817	5.0688	1.5905	5.1080	0.5114	4.8960	0.6657	5.0320	0.4714
34	Legal Expense	cA*r28	0.00535	3.3205	1.0419	3.3462	0.3350	3.2073	0.4361	3.2963	0.3088
35	Other Procurement Expense	cA*r28	0.00203	1.2563	0.3942	1.2661	0.1267	1.2135	0.1650	1.2472	0.1168
36	Research and Development Expense	cA*r28	0.00003	0.0192	0.0060	0.0194	0.0019	0.0186	0.0025	0.0191	0.0018
37	Other General and Admin Exp	cA*r28	0.01578	9.7908	3.0721	9.8665	0.9878	9.4570	1.2859	9.7196	0.9106
38	*Total Common Costs*	*Sum r31:r37*		23.3543	7.3281	23.5350	2.3561	22.5582	3.0673	23.1846	2.1720
39											
40	*TELRIC + Common*	*r27 + r38*		$643.77	$202.00	$648.75	$64.95	$621.82	$84.55	$639.09	$59.87

c = column, r = row, s = section, p = page, AP = Appendix

Section K - Unbundled Dedicated InterofficeTransport
OC12 UDIT- Dev Total Prod Costs

Compliance Phase IIa 1/31/03 8:33:20 AM

Row	Arizona	Source or Calculation	Factor Value [AP p1 cB]	OC12 UDIT: Over 0 to 8 Miles, Fixed	Over 0 to 8 Miles, Per Air Mile	Over 8 to 25 Miles, Fixed	Over 8 to 25 Miles, Per Air Mile	Over 25 to 50 Miles, Fixed	Over 25 to 50 Miles, Per Air Mile	Over 50 Miles, Fixed	Over 50 Miles, Per Air Mile
			A	D	E	F	G	H	I	J	K
1	Investment	sK p15-16 cD Total		$78,380.90	$5,157.71	$78,380.90	$5,392.04	$78,380.90	$5,506.51	$78,380.90	$6,162.48
2											
3	Investment Based Costs (IBC)	sK p15-16 cJ Total		1320.2408	70.2222	1320.2408	67.9424	1320.2408	76.6937	1320.2408	87.7139
4	Element Specific Expenses	AP p3 F41*r3		5.6823	0.3022	5.6823	0.2924	5.6823	0.3301	5.6823	0.3775
5	***Total IBC + Element Specific Expenses***	***r3 + r4***		1325.9231	70.5245	1325.9231	68.2348	1325.9231	77.0238	1325.9231	88.0914
6											
7	***Directly Assigned***										
8	Product Management Expense	cA*r5	0.03428	45.4540	2.4176	45.4540	2.3392	45.4540	2.6405	45.4540	3.0199
9	Sales Expense	cA*r5	0.01133	15.0267	0.7993	15.0267	0.7733	15.0267	0.8729	15.0267	0.9983
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	2.5621	0.1363	2.5621	0.1318	2.5621	0.1488	2.5621	0.1702
12	***Directly Assigned Costs***	***Sum r8:r11***		63.0427	3.3532	63.0427	3.2443	63.0427	3.6622	63.0427	4.1884
13											
14	***Total Direct***	***r5 + r12***		1388.9658	73.8776	1388.9658	71.4791	1388.9658	80.6860	1388.9658	92.2798
15											
16	***Directly Attributed***										
17	Network Operations	cA*r14	0.05029	69.8497	3.7152	69.8497	3.5946	69.8497	4.0576	69.8497	4.6407
18	Network Support Assets	cA*r14	0.01538	21.3553	1.1359	21.3553	1.0990	21.3553	1.2405	21.3553	1.4188
19	General Support Assets	cA*r14	0.08064	112.0034	5.9573	112.0034	5.7639	112.0034	6.5064	112.0034	7.4413
20	General Purpose Computers	cA*r14	0.03644	50.6097	2.6919	50.6097	2.6045	50.6097	2.9400	50.6097	3.3624
21	Uncollectible - Interconnect	cA*r14	0.00102	1.4126	0.0751	1.4126	0.0727	1.4126	0.0821	1.4126	0.0938
22	Accounting and Finance Expense	cA*r14	0.00752	10.4492	0.5558	10.4492	0.5377	10.4492	0.6070	10.4492	0.6942
23	Human Resources Expense	cA*r14	0.00726	10.0881	0.5366	10.0881	0.5192	10.0881	0.5860	10.0881	0.6702
24	Information Management Expense	cA*r14	0.05157	71.6290	3.8099	71.6290	3.6862	71.6290	4.1610	71.6290	4.7589
25	Intangibles	cA*r14	0.00252	3.4946	0.1859	3.4946	0.1798	3.4946	0.2030	3.4946	0.2322
26	***Total Directly Attributed Costs***	***Sum r17:r25***		350.8917	18.6636	350.8917	18.0576	350.8917	20.3835	350.8917	23.3125
27											
28	***Total Element Long Run Incremental Costs***	***r14 + r26***		1739.8575	92.5412	1739.8575	89.5368	1739.8575	101.0695	1739.8575	115.5923
29											
30	***Common***										
31	Executive Expense	cA*r28	0.00579	10.0668	0.5354	10.0668	0.5181	10.0668	0.5848	10.0668	0.6688
32	Planning Expense	cA*r28	0.00050	0.8664	0.0461	0.8664	0.0446	0.8664	0.0503	0.8664	0.0576
33	External Relations Expense	cA*r28	0.00817	14.2146	0.7561	14.2146	0.7315	14.2146	0.8257	14.2146	0.9444
34	Legal Expense	cA*r28	0.00535	9.3117	0.4953	9.3117	0.4792	9.3117	0.5409	9.3117	0.6186
35	Other Procurement Expense	cA*r28	0.00203	3.5232	0.1874	3.5232	0.1813	3.5232	0.2047	3.5232	0.2341
36	Research and Development Expense	cA*r28	0.00003	0.0539	0.0029	0.0539	0.0028	0.0539	0.0031	0.0539	0.0036
37	Other General and Admin Exp	cA*r28	0.01578	27.4567	1.4604	27.4567	1.4130	27.4567	1.5950	27.4567	1.8242
38	***Total Common Costs***	***Sum r31:r37***		65.4935	3.4835	65.4935	3.3704	65.4935	3.8046	65.4935	4.3512
39											
40	***TELRIC + Common***	***r27 + r38***		**$1,805.35**	**$96.02**	**$1,805.35**	**$92.91**	**$1,805.35**	**$104.87**	**$1,805.35**	**$119.94**

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Section K - Unbundled Dedicated InterofficeTransport
EUDIT- Dev Total Prod Costs

Row	Compliance Phase IIa 1/31/03 8:33:20 AM Arizona	Source or Calculation	Factor Value [AP p1 cB]	DS1 E-UDIT Without Customer Location Electronics	E-UDIT DS3 E-UDIT Without Customer Location Electronics	OC3 E-UDIT Without Customer Location Electronics	OC12 E-UDIT Without Customer Location Electronics
			A	D	E	F	G
1	Investment	sK p17-18 cD Total		$2,411.71	$14,711.97	$32,645.23	$59,590.23
2							
3	Investment Based Costs (IBC)	sK p17-18 cJ Total		40.0715	227.9067	497.5888	935.1207
4	Element Specific Expenses	AP p3 F41*r3		0.1725	0.9809	2.1416	4.0248
5	***Total IBC + Element Specific Expenses***	***r3 + r4***		40.2440	228.8876	499.7304	939.1454
6							
7	***Directly Assigned***						
8	Product Management Expense	cA*r5	0.03428	1.3796	7.8465	17.1313	32.1948
9	Sales Expense	cA*r5	0.01133	0.4561	2.5940	5.6634	10.6433
10	Product Advertising Expense	cA*r5	0.00000	0.0000	0.0000	0.0000	0.0000
11	Business Fees (Other Operating Taxes)	cA*(r5+r8:r10)	0.00185	0.0778	0.4423	0.9656	1.8147
12	***Directly Assigned Costs***	***Sum r8:r11***		1.9135	10.8828	23.7603	44.6529
13							
14	***Total Direct***	***r5 + r12***		42.1574	239.7704	523.4907	983.7983
15							
16	***Directly Attributed***						
17	Network Operations	cA*r14	0.05029	2.1201	12.0578	26.3258	49.4742
18	Network Support Assets	cA*r14	0.01538	0.6482	3.6865	8.0487	15.1259
19	General Support Assets	cA*r14	0.08064	3.3995	19.3346	42.2132	79.3315
20	General Purpose Computers	cA*r14	0.03644	1.5361	8.7365	19.0744	35.8467
21	Uncollectible - Interconnect	cA*r14	0.00102	0.0429	0.2438	0.5324	1.0005
22	Accounting and Finance Expense	cA*r14	0.00752	0.3172	1.8038	3.9382	7.4011
23	Human Resources Expense	cA*r14	0.00726	0.3062	1.7415	3.8021	7.1453
24	Information Management Expense	cA*r14	0.05157	2.1741	12.3650	26.9964	50.7345
25	Intangibles	cA*r14	0.00252	0.1061	0.6033	1.3171	2.4752
26	***Total Directly Attributed Costs***	***Sum r17:r25***		10.6501	60.5727	132.2484	248.5350
27							
28	***Total Element Long Run Incremental Costs***	***r 14 + r26***		52.8076	300.3431	655.7391	1232.3333
29							
30	***Common***						
31	Executive Expense	cA*r28	0.00579	0.3055	1.7378	3.7941	7.1303
32	Planning Expense	cA*r28	0.00050	0.0263	0.1496	0.3266	0.6137
33	External Relations Expense	cA*r28	0.00817	0.4314	2.4538	5.3574	10.0682
34	Legal Expense	cA*r28	0.00535	0.2826	1.6074	3.5095	6.5954
35	Other Procurement Expense	cA*r28	0.00203	0.1069	0.6082	1.3279	2.4955
36	Research and Development Expense	cA*r28	0.00003	0.0016	0.0093	0.0203	0.0382
37	Other General and Admin Exp	cA*r28	0.01578	0.8334	4.7397	10.3482	19.4475
38	***Total Common Costs***	***Sum r31:r37***		1.9878	11.3058	24.6840	46.3887
39							
40	***TELRIC + Common***	***r27 + r38***		**$54.80**	**$311.65**	**$680.42**	**$1,278.72**

c = column, r = row, s = section, p = page, AP = Appendix

Section K - Unbundled Dedicated Interoffice Transport
DS0 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS0 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	**DS0 Unbundled Dedicated Interoffice Transport**									
5	OVER 0 TO 8		FIXED							
6		20C	Land	2.748901	0.000000	0.021000	0.008678	0.003120	0.010802	0.043600
7		110C	Building	32.044327	0.079666	0.182429	0.075391	0.036372	0.125917	0.499774
8		357CS	Other Digital Equipment	19.041587	0.171632	0.066795	0.027603	0.021613	0.034117	0.321760
9		357C	Other Digital Equipment	766.358583	6.907590	2.688254	1.110946	0.869851	1.398432	12.975073
10			Total	820.193397	7.158888	2.958477	1.222619	0.930956	1.569267	13.840207
11	OVER 0 TO 8		VARIABLE							
12		20C	Land	0.004174	0.000000	0.000032	0.000013	0.000005	0.000016	0.000066
13		110C	Building	0.048652	0.000121	0.000277	0.000114	0.000055	0.000191	0.000759
14		85C	UG Cbl Nonmetallic	2.723667	0.020429	0.012745	0.005267	0.003091	0.004107	0.045639
15		357C	Other Digital Equipment	0.111656	0.001006	0.000392	0.000162	0.000127	0.000204	0.001890
16		357CS	Other Digital Equipment	1.080805	0.009742	0.003791	0.001567	0.001227	0.001936	0.018263
17		4C	Conduit System	2.893012	0.005477	0.014012	0.005791	0.003284	0.001321	0.029884
18		845C	Buried Cbl Nonmetallic	0.020567	0.000114	0.000092	0.000038	0.000023	0.000028	0.000295
19			Total	6.882533	0.036889	0.031341	0.012952	0.007812	0.007803	0.096797
20	OVER 8 TO 25		FIXED							
21		20C	Land	2.752252	0.000000	0.021026	0.008689	0.003124	0.010815	0.043653
22		110C	Building	32.083396	0.079763	0.182652	0.075482	0.036416	0.126070	0.500383
23		357CS	Other Digital Equipment	19.968704	0.179988	0.070047	0.028947	0.022665	0.035778	0.337426
24		357C	Other Digital Equipment	766.389031	6.907865	2.688361	1.110990	0.869886	1.398487	12.975589
25			Total	821.193384	7.167616	2.962084	1.224109	0.932091	1.571150	13.857051
26	OVER 8 TO 25		VARIABLE							
27		20C	Land	0.003326	0.000000	0.000025	0.000011	0.000004	0.000013	0.000053
28		110C	Building	0.038775	0.000096	0.000221	0.000091	0.000044	0.000152	0.000605
29		85C	UG Cbl Nonmetallic	2.346230	0.017598	0.010979	0.004537	0.002663	0.003538	0.039314
30		357C	Other Digital Equipment	0.126850	0.001143	0.000445	0.000184	0.000144	0.000231	0.002148
31		357CS	Other Digital Equipment	0.823525	0.007423	0.002889	0.001194	0.000935	0.001476	0.013916
32		4C	Conduit System	2.492108	0.004718	0.012071	0.004988	0.002829	0.001138	0.025743
33		845C	Buried Cbl Nonmetallic	0.091082	0.000503	0.000408	0.000169	0.000103	0.000125	0.001308
34			Total	5.921896	0.031481	0.027038	0.011174	0.006722	0.006672	0.083086
35	OVER 25 TO 50		FIXED							
36		20C	Land	2.757261	0.000000	0.021064	0.008705	0.003130	0.010835	0.043733
37		110C	Building	32.141782	0.079908	0.182984	0.075620	0.036482	0.126300	0.501294
38		357CS	Other Digital Equipment	21.340613	0.192354	0.074859	0.030936	0.024223	0.038236	0.360608
39		357C	Other Digital Equipment	766.448166	6.908398	2.688568	1.111076	0.869953	1.398595	12.976590
40			Total	822.687822	7.180660	2.967475	1.226337	0.933788	1.573965	13.882225
41	OVER 25 TO 50		VARIABLE							
42		20C	Land	0.003717	0.000000	0.000028	0.000012	0.000004	0.000015	0.000059

Section K - Unbundled Dedicated Interoffice Transport
DS0 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS0 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	**DS0 Unbundled Dedicated Interoffice Transport**									
43		110C	Building	0.043328	0.000108	0.000247	0.000102	0.000049	0.000170	0.000676
44		85C	UG Cbl Nonmetallic	1.929109	0.014469	0.009027	0.003730	0.002190	0.002909	0.032325
45		357C	Other Digital Equipment	0.022944	0.000207	0.000080	0.000033	0.000026	0.000042	0.000388
46		357CS	Other Digital Equipment	1.039017	0.009365	0.003645	0.001506	0.001179	0.001862	0.017557
47		4C	Conduit System	2.049052	0.003879	0.009925	0.004101	0.002326	0.000935	0.021166
48		845C	Buried Cbl Nonmetallic	0.926052	0.005111	0.004150	0.001715	0.001051	0.001268	0.013295
49			Total	6.013218	0.033139	0.027102	0.011200	0.006825	0.007200	0.085467
50	OVER 50		FIXED							
51		20C	Land	2.751179	0.000000	0.021017	0.008686	0.003123	0.010811	0.043636
52		110C	Building	32.070882	0.079732	0.182580	0.075453	0.036402	0.126021	0.500188
53		357CS	Other Digital Equipment	19.673994	0.177332	0.069013	0.028520	0.022331	0.035250	0.332446
54		357C	Other Digital Equipment	766.377027	6.907756	2.688318	1.110973	0.869872	1.398466	12.975386
55			Total	820.873081	7.164820	2.960929	1.223632	0.931728	1.570547	13.851656
56	OVER 50		VARIABLE							
57		20C	Land	0.002003	0.000000	0.000015	0.000006	0.000002	0.000008	0.000032
58		110C	Building	0.023349	0.000058	0.000133	0.000055		0.000092	0.000338
59		85C	UG Cbl Nonmetallic	1.069844	0.008024	0.005006	0.002069	0.001214	0.001613	0.017927
60		357C	Other Digital Equipment	0.032684	0.000295	0.000115	0.000047	0.000037	0.000060	0.000553
61		357CS	Other Digital Equipment	0.539599	0.004864	0.001893	0.000782	0.000612	0.000967	0.009118
62		4C	Conduit System	1.136362	0.002151	0.005504	0.002275	0.001290	0.000519	0.011738
63		845C	Buried Cbl Nonmetallic	0.045055	0.000249	0.000202	0.000083	0.000051	0.000062	0.000647
64			Total	2.848897	0.015641	0.012868	0.005318	0.003207	0.003320	0.040353
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p20 cF									
68										

Section K - Unbundled Dedicated Interoffice Transport
DS1 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS1 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	**DS1 Unbundled Dedicated Interoffice Transport**									
5	**OVER 0 TO 8**		**FIXED**							
6		20C	Land	4.445215	0.000000	0.033959	0.014034	0.005046	0.017467	0.070505
7		110C	Building	51.818504	0.128827	0.295004	0.121913	0.058816	0.203618	0.808179
8		357CS	Other Digital Equipment	331.573095	2.988641	1.163101	0.480662	0.376350	0.594078	5.602834
9		357C	Other Digital Equipment	938.488266	8.459085	3.292055	1.360473	1.065226	1.712530	15.889369
10			Total	1326.325080	11.576553	4.784119	1.977082	1.505439	2.527694	22.370887
11	**OVER 0 TO 8**		**VARIABLE**							
12		20C	Land	0.042392	0.000000	0.000324	0.000134	0.000048	0.000167	0.000672
13		110C	Building	0.494173	0.001229	0.002813	0.001163	0.000561	0.001942	0.007707
14		85C	UG Cbl Nonmetallic	29.893934	0.224220	0.139884	0.057808	0.033931	0.045072	0.500916
15		357C	Other Digital Equipment	1.913997	0.017252	0.006714	0.002775	0.002172	0.003493	0.032406
16		357CS	Other Digital Equipment	10.198092	0.091921	0.035773	0.014784	0.011575	0.018272	0.172325
17		4C	Conduit System	31.752597	0.060112	0.153795	0.063557	0.036041	0.014495	0.328001
18		845C	Buried Cbl Nonmetallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
19			Total	74.295186	0.394734	0.339304	0.140220	0.084328	0.083440	1.042026
20	**OVER 8 TO 25**		**FIXED**							
21		20C	Land	4.482632	0.000000	0.034245	0.014152	0.005088	0.017614	0.071099
22		110C	Building	52.254681	0.129911	0.297487	0.122939	0.059311	0.205332	0.814981
23		357CS	Other Digital Equipment	341.931098	3.082004	1.199435	0.495678	0.388107	0.612637	5.777861
24		357C	Other Digital Equipment	938.820882	8.462083	3.293222	1.360955	1.065604	1.713137	15.895000
25			Total	1337.489293	11.673998	4.824389	1.993724	1.518111	2.548720	22.558941
26	**OVER 8 TO 25**		**VARIABLE**							
27		20C	Land	0.029626	0.000000	0.000226	0.000094	0.000034	0.000116	0.000470
28		110C	Building	0.345354	0.000859	0.001966	0.000813	0.000392	0.001357	0.005386
29		85C	UG Cbl Nonmetallic	25.200682	0.189018	0.117923	0.048733	0.028604	0.037996	0.422273
30		357C	Other Digital Equipment	2.539852	0.022893	0.008909	0.003682	0.002883	0.004635	0.043002
31		357CS	Other Digital Equipment	5.924706	0.053402	0.020783	0.008589		0.010615	0.093389
32		4C	Conduit System	26.767541	0.050675	0.129650	0.053579	0.030382	0.012219	0.276505
33		845C	Buried Cbl Nonmetallic	0.267206	0.001475	0.001198	0.000495	0.000303	0.000366	0.003836
34			Total	61.074967	0.318322	0.280655	0.115983	0.062598	0.067304	0.844862
35	**OVER 25 TO 50**		**FIXED**							
36		20C	Land	4.549050	0.000000	0.034752	0.014362	0.005163	0.017875	0.072152
37		110C	Building	53.028923	0.131836	0.301895	0.124761	0.060190	0.208375	0.827057
38		357CS	Other Digital Equipment	360.167057	3.246374	1.263404	0.522114	0.408806	0.645310	6.086007
39		357C	Other Digital Equipment	939.561444	8.468758	3.295819	1.362028	1.066445	1.714488	15.907538
40			Total	1357.306474	11.846968	4.895870	2.023264	1.540604	2.586048	22.892754
41	**OVER 25 TO 50**		**VARIABLE**							
42		20C	Land	0.069389	0.000000	0.000530	0.000219	0.000079	0.000273	0.001101

DS1 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS1 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
43		110C	Building	0.808880	0.002011	0.004605	0.001903	0.000918	0.003178	0.012616
44		85C	UG Cbl Nonmetallic	37.454927	0.280931	0.175264	0.072430	0.042513	0.056472	0.627611
45		357C	Other Digital Equipment	0.336513	0.003033	0.001180	0.000488	0.000382	0.000614	0.005697
46		357CS	Other Digital Equipment	19.488980	0.175664	0.068364	0.028252	0.022121	0.034918	0.329320
47		4C	Conduit System	39.783696	0.075316	0.192694	0.079633	0.045156	0.018161	0.410961
48		845C	Buried Cbl Nonmetallic	10.286486	0.056771	0.046100	0.019051	0.011676	0.014086	0.147683
49			**Total**	**108.228871**	**0.593727**	**0.488738**	**0.201976**	**0.122845**	**0.127702**	**1.534988**
50	**OVER 50**		**FIXED**							
51		20C	Land	4.543831	0.000000	0.034712	0.014345	0.005157	0.017855	0.072070
52		110C	Building	52.968088	0.131685	0.301549	0.124618	0.060121	0.208136	0.826108
53		357CS	Other Digital Equipment	358.925963	3.235187	1.259050	0.520314	0.407397	0.643086	6.065035
54		357C	Other Digital Equipment	939.311485	8.466505	3.294943	1.361666	1.066161	1.714032	15.903306
55			**Total**	**1355.749367**	**11.833377**	**4.890254**	**2.020943**	**1.538837**	**2.583109**	**22.866519**
56	**OVER 50**		**VARIABLE**							
57		20C	Land	0.038301	0.000000	0.000293	0.000121	0.000043	0.000151	0.000607
58		110C	Building	0.446478	0.001110	0.002542	0.001050	0.000507	0.001754	0.006963
59		85C	UG Cbl Nonmetallic	21.945943	0.164606	0.102693	0.042439	0.024910	0.033089	0.367736
60		357C	Other Digital Equipment	0.425856	0.003838	0.001494	0.000617	0.000483	0.000777	0.007210
61		357CS	Other Digital Equipment	10.517233	0.094797	0.036893	0.015246	0.011938	0.018844	0.177717
62		4C	Conduit System	23.310438	0.044130	0.112905	0.046659	0.026458	0.010641	0.240794
63		845C	Buried Cbl Nonmetallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
64			**Total**	**56.684250**	**0.308482**	**0.256819**	**0.106133**	**0.064339**	**0.065255**	**0.801028**
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p21 cF									
68										

Section K - Unbundled Dedicated Interoffice Transport
DS3 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS3 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	DS3 Unbundled Dedicated Interoffice Transport									
5	OVER 0 TO 8		FIXED							
6		20C	Land	28.1961	0.0000	0.2154	0.0890	0.0320	0.1108	0.4472
7		110C	Building	328.6864	0.8172	1.8712	0.7733	0.3731	1.2916	5.1263
8		357CS	Other Digital Equipment	6820.5863	61.4775	23.9254	9.8874	7.7417	12.2204	115.2525
9		357C	Other Digital Equipment	1235.4538	11.1358	4.3338	1.7910	1.4023	2.2544	20.9172
10			Total	8412.9227	73.4304	30.3458	12.5407	9.5490	15.8772	141.7432
11	OVER 0 TO 8		VARIABLE							
12		20C	Land	2.1782	0.0000	0.0166	0.0069	0.0025	0.0086	0.0345
13		110C	Building	25.3914	0.0631	0.1446	0.0597	0.0288	0.0998	0.3960
14		85C	UG Cbl Nonmetallic	1189.9056	8.9249	5.5680	2.3010	1.3506	1.7941	19.9386
15		357C	Other Digital Equipment	46.5149	0.4193	0.1632	0.0674	0.0528	0.0849	0.7875
16		357CS	Other Digital Equipment	575.8245	5.1902	2.0199	0.8347	0.6536	1.0317	9.7301
17		4C	Conduit System	1263.8883	2.3927	6.1217	2.5299	1.4346	0.5769	13.0558
18		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19			Total	3103.7030	16.9902	14.0339	5.7997	3.5228	3.5959	43.9426
20	OVER 8 TO 25		FIXED							
21		20C	Land	28.6293	0.0000	0.2187	0.0904	0.0325	0.1125	0.4541
22		110C	Building	333.7358	0.8297	1.9000	0.7852	0.3788	1.3114	5.2051
23		357CS	Other Digital Equipment	6940.1244	62.5550	24.3448	10.0607	7.8774	12.4346	117.2724
24		357C	Other Digital Equipment	1239.6757	11.1738	4.3486	1.7971	1.4071	2.2621	20.9887
25			Total	8542.1652	74.5585	30.8120	12.7333	9.6957	16.1206	143.9202
26	OVER 8 TO 25		VARIABLE							
27		20C	Land	0.5030	0.0000	0.0038	0.0016	0.0006	0.0020	0.0080
28		110C	Building	5.8636	0.0146	0.0334	0.0138	0.0067	0.0230	0.0915
29		85C	UG Cbl Nonmetallic	430.4259	3.2284	2.0141	0.8323	0.4886	0.6490	7.2124
30		357C	Other Digital Equipment	54.1847	0.4884	0.1901	0.0785	0.0615	0.0989	0.9174
31		357CS	Other Digital Equipment	89.5304	0.8070	0.3141	0.1298	0.1016	0.1604	1.5129
32		4C	Conduit System	457.1877	0.8655	2.2144	0.9151	0.5189	0.2087	4.7227
33		845C	Buried Cbl Nonmetallic	15.3769	0.0849	0.0689	0.0285	0.0175	0.0211	0.2208
34			Total	1053.0721	5.4888	4.8388	1.9997		1.1630	13.4903
35	OVER 25 TO 50		FIXED							
36		20C	Land	26.3520	0.0000	0.2013	0.0832	0.0299	0.1035	0.4180
37		110C	Building	307.1887	0.7637	1.7488	0.7227	0.3487	1.2071	4.7910
38		357CS	Other Digital Equipment	6310.2179	56.8773	22.1352	9.1476	7.1624	11.3060	106.6284
39		357C	Other Digital Equipment	1218.9168	10.9867	4.2757	1.7670	1.3835	2.2242	20.6373
40			Total	7862.6754	68.6277	28.3611	11.7205	8.9245	14.8409	132.4746
41	OVER 25 TO 50		VARIABLE							
42		20C	Land	0.9547	0.0000	0.0073	0.0030	0.0011	0.0038	0.0151
43		110C	Building	11.1290	0.0277	0.0634	0.0262	0.0126	0.0437	0.1736

Section K - Unbundled Dedicated Interoffice Transport
DS3 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						DS3 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
44		85C	UG Cbl Nonmetallic	441.6569	3.3127	2.0667	0.8541	0.5013	0.6659	7.4006
45		357C	Other Digital Equipment	34.1623	0.3079	0.1198	0.0495	0.0388	0.0623	0.5784
46		357CS	Other Digital Equipment	238.6068	2.1507	0.8370	0.3459	0.2708	0.4275	4.0319
47		4C	Conduit System	469.1171	0.8881	2.2722	0.9390	0.5325	0.2141	4.8459
48		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49			**Total**	**1195.6268**	**6.6870**	**5.3663**	**2.2177**	**1.3571**	**1.4174**	**17.0455**
50	**OVER 50**		**FIXED**							
51		20C	Land	27.8357	0.0000	0.2126	0.0879	0.0316	0.1094	0.4415
52		110C	Building	324.4843	0.8067	1.8473	0.7634	0.3683	1.2750	5.0608
53		357CS	Other Digital Equipment	6720.0661	60.5715	23.5728	9.7417	7.6276	12.0403	113.5539
54		357C	Other Digital Equipment	1232.9806	11.1135	4.3251	1.7874	1.3995	2.2499	20.8754
55			**Total**	**8305.3667**	**72.4917**	**29.9579**	**12.3804**	**9.4270**	**15.6747**	**139.9315**
56	**OVER 50**		**VARIABLE**							
57		20C	Land	0.6930	0.0000	0.0053	0.0022	0.0008	0.0027	0.0110
58		110C	Building	8.0788	0.0201	0.0460	0.0190	0.0092	0.0317	0.1260
59		85C	UG Cbl Nonmetallic	270.1189	2.0260	1.2640	0.5224	0.3066	0.4073	4.5262
60		357C	Other Digital Equipment	32.3694	0.2918	0.1135	0.0469	0.0367	0.0591	0.5480
61		357CS	Other Digital Equipment	165.6408	1.4930	0.5810	0.2401	0.1880	0.2968	2.7990
62		4C	Conduit System	286.9136	0.5432	1.3897	0.5743	0.3257	0.1310	2.9638
63		845C	Buried Cbl Nonmetallic	53.3123	0.2942	0.2389	0.0987	0.0605	0.0730	0.7654
64			**Total**	**817.1268**	**4.6683**	**3.6385**	**1.5036**	**0.9275**	**1.0016**	**11.7394**
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p22 cF									
68										

Compliance Phase IIa 1/31/03 8:33:20 AM

Arizona

Section K - Unbundled Dedicated Interoffice Transport
OC3 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1							OC3 UDIT			
2										
3	Acct	FRC	Account Name	Investment	Depreciation cD*(AP p7 cA)/12	Cost of Money cD*(AP p7 cB)/12	Income Tax cD*(AP p7 cC)/12	Ad Valorem cD*(AP p7 cD)/12	Maintenance cD*(AP p7 cE)/12	Total Capital Costs sum(cE:cI)
4	OC3 Unbundled Dedicated Interoffice Transport									
5	OVER 0 TO 8		FIXED							
6		20C	Land	93.6739	0.0000	0.7156	0.2957	0.1063	0.3681	1.4858
7		110C	Building	1091.9698	2.7148	6.2166	2.5691	1.2394	4.2908	17.0307
8		357CS	Other Digital Equipment	26222.7461	236.3593	91.9849	38.0136	29.7640	46.9832	443.1050
9		357C	Other Digital Equipment	541.2196	4.8783	1.8985	0.7846	0.6143	0.9876	9.1633
10			Total	27949.6094	243.9524	100.8156	41.6630	31.7241	52.6297	470.7847
11	OVER 0 TO 8		VARIABLE							
12		20C	Land	11.4499	0.0000	0.0875	0.0361	0.0130	0.0450	0.1816
13		110C	Building	133.4730	0.3318	0.7599	0.3140	0.1515	0.5245	2.0817
14		85C	UG Cbl Nonmetallic	3252.1094	24.3925	15.2177	6.2889	3.6913	4.9033	54.4937
15		357C	Other Digital Equipment	117.0232	1.0548	0.4105	0.1696	0.1328	0.2135	1.9813
16		357CS	Other Digital Equipment	3154.3729	28.4320	11.0650	4.5727	3.5804	5.6517	53.3018
17		4C	Conduit System	3454.3101	6.5395	16.7311	6.9143	3.9208	1.5769	35.6826
18		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19			Total	10122.7384	60.7507	44.2717	18.2957	11.4898	12.9149	147.7227
20	OVER 8 TO 25		FIXED							
21		20C	Land	94.3987	0.0000	0.7212	0.2980	0.1071	0.3709	1.4973
22		110C	Building	1100.4193	2.7358	6.2647	2.5890	1.2490	4.3240	17.1625
23		357CS	Other Digital Equipment	26416.4609	238.1054	92.6644	38.2944	29.9839	47.3303	446.3783
24		357C	Other Digital Equipment	554.6015	4.9989	1.9454	0.8040	0.6295	1.0120	9.3899
25			Total	28165.8805	245.8400	101.5957	41.9854	31.9695	53.0373	474.4279
26	OVER 8 TO 25		VARIABLE							
27		20C	Land	2.2630	0.0000	0.0173	0.0071	0.0026	0.0089	0.0359
28		110C	Building	26.3806	0.0656	0.1502	0.0621	0.0299	0.1037	0.4114
29		85C	UG Cbl Nonmetallic	1428.7493	10.7164	6.6856	2.7629	1.6217	2.1542	23.9407
30		357C	Other Digital Equipment	193.1311	1.7408	0.6775	0.2800	0.2192	0.3524	3.2699
31		357CS	Other Digital Equipment	453.4524	4.0872	1.5906	0.6573	0.5147	0.8124	7.6623
32		4C	Conduit System	1517.5821	2.8730	7.3505	3.0377	1.7225	0.6928	15.6764
33		845C	Buried Cbl Nonmetallic	46.1307	0.2546	0.2067	0.0854	0.0524	0.0632	0.6623
34			Total	3667.6693	19.7375	16.6784	6.8925	4.1875	4.1875	47.4960
35	OVER 25 TO 50		FIXED							
36		20C	Land	90.4807	0.0000	0.6912	0.2857	0.1027	0.3555	1.4351
37		110C	Building	1054.7466	2.6222	6.0047	2.4815	1.1972	4.1446	16.4502
38		357CS	Other Digital Equipment	25362.8303	228.6084	88.9684	36.7670	28.7880	45.4425	428.5743
39		357C	Other Digital Equipment	488.8032	4.4058	1.7146	0.7086	0.5548	0.8920	8.2758
40			Total	26996.8609	235.6365	97.3790	40.2428	30.6427	50.8346	454.7355
41	OVER 25 TO 50		VARIABLE							
42		20C	Land	4.3452	0.0000	0.0332	0.0137	0.0049	0.0171	0.0689
43		110C	Building	50.6529	0.1259	0.2884	0.1192	0.0575	0.1990	0.7900

Section K - Unbundled Dedicated Interoffice Transport
OC3 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						OC3 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
44		85C	UG Cbl Nonmetallic	1442.1768	10.8171	6.7484	2.7889	1.6369	2.1744	24.1657
45		357C	Other Digital Equipment	123.3172	1.1115	0.4326	0.1788	0.1400	0.2250	2.0879
46		357CS	Other Digital Equipment	1118.1764	10.0787	3.9224	1.6210	1.2692	2.0034	18.8946
47		4C	Conduit System	1531.8444	2.9000	7.4196	3.0662	1.7387	0.6993	15.8238
48		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49			**Total**	**4270.5129**	**25.0332**	**18.8445**	**7.7877**	**4.8472**	**5.3183**	**61.8309**
50	**OVER 50**		**FIXED**							
51		20C	Land	92.9931	0.0000	0.7104	0.2936	0.1056	0.3654	1.4750
52		110C	Building	1084.0340	2.6950	6.1714	2.5504	1.2304	4.2597	16.9070
53		357CS	Other Digital Equipment	26036.0808	234.6768	91.3301	37.7430	29.5521	46.6487	439.9508
54		357C	Other Digital Equipment	533.3804	4.8076	1.8710	0.7732	0.6054	0.9733	9.0306
55			**Total**	**27746.4883**	**242.1795**	**100.0829**	**41.3602**	**31.4935**	**52.2471**	**467.3632**
56	**OVER 50**		**VARIABLE**							
57		20C	Land	2.6275	0.0000	0.0201	0.0083	0.0030	0.0103	0.0417
58		110C	Building	30.6293	0.0761	0.1744	0.0721	0.0348	0.1204	0.4777
59		85C	UG Cbl Nonmetallic	1019.8239	7.6492	4.7721	1.9721	1.1575	1.5376	17.0886
60		357C	Other Digital Equipment	128.2635	1.1561	0.4499	0.1859	0.1456	0.2341	2.1716
61		357CS	Other Digital Equipment	622.4550	5.6105	2.1835	0.9023	0.7065	1.1153	10.5181
62		4C	Conduit System	1083.2316	2.0507	5.2467	2.1682	1.2295	0.4945	11.1897
63		845C	Buried Cbl Nonmetallic	159.9370	0.8827	0.7168	0.2962	0.1815	0.2190	2.2962
64			**Total**	**3046.9679**	**17.4254**	**13.5634**	**5.6052**	**3.4584**	**3.7311**	**43.7835**
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p23 cF									
68										

Section K - Unbundled Dedicated Interoffice Transport
OC12 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						OC12 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	OC12 Unbundled Dedicated Interoffice Transport									
5	OVER 0 TO 8		FIXED							
6		20C	Land	262.6957	0.0000	2.0068	0.8293	0.2982	1.0323	4.1666
7		110C	Building	3062.2815	7.6132	17.4336	7.2046	3.4758	12.0331	47.7604
8		357CS	Other Digital Equipment	73879.8962	665.9181	259.1579	107.0994	83.8570	132.3703	1248.4028
9		357C	Other Digital Equipment	1176.0226	10.6001	4.1253	1.7048	1.3348	2.1460	19.9110
10			Total	78380.8959	684.1314	282.7237	116.8382	88.9658	147.5816	1320.2408
11	OVER 0 TO 8		VARIABLE							
12		20C	Land	0.8507	0.0000	0.0065	0.0027	0.0010	0.0033	0.0135
13		110C	Building	9.9166	0.0247	0.0565	0.0233	0.0113	0.0390	0.1547
14		85C	UG Cbl Nonmetallic	2378.0153	17.8364	11.1275	4.5986	2.6992	3.5854	39.8470
15		357C	Other Digital Equipment	243.0540	2.1908	0.8526	0.3523	0.2759	0.4435	4.1151
16		357CS	Other Digital Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17		4C	Conduit System	2525.8690	4.7818	12.2342	5.0559	2.8670	1.1530	26.0919
18		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19			Total	5157.7055	24.8336	24.2773	10.0328	5.8542	5.2243	70.2222
20	OVER 8 TO 25		FIXED							
21		20C	Land	262.6957	0.0000	2.0068	0.8293	0.2982	1.0323	4.1666
22		110C	Building	3062.2815	7.6132	17.4336	7.2046	3.4758	12.0331	47.7604
23		357CS	Other Digital Equipment	73879.8962	665.9181	259.1579	107.0994	83.8570	132.3703	1248.4028
24		357C	Other Digital Equipment	1176.0226	10.6001	4.1253	1.7048	1.3348	2.1460	19.9110
25			Total	78380.8959	684.1314	282.7237	116.8382	88.9658	147.5816	1320.2408
26	OVER 8 TO 25		VARIABLE							
27		20C	Land	1.4758	0.0000	0.0113	0.0047	0.0017	0.0058	0.0234
28		110C	Building	17.2032	0.0428	0.0979	0.0405	0.0195	0.0676	0.2683
29		85C	UG Cbl Nonmetallic	2374.3633	17.8090	11.1105	4.5915	2.6950	3.5799	39.7859
30		357C	Other Digital Equipment	409.0164	3.6867	1.4348	0.5929	0.4643	0.7464	6.9250
31		357CS	Other Digital Equipment	12.6318	0.1139	0.0443	0.0183	0.0143	0.0226	0.2134
32		4C	Conduit System	2521.9899	4.7745	12.2154	5.0481	2.8626	1.1513	26.0519
33		845C	Buried Cbl Nonmetallic	55.3568	0.3055	0.2481	0.1025	0.0628	0.0758	0.7948
34			Total	5392.0372	26.7323	25.1622	10.3985		5.6494	67.9424
35	OVER 25 TO 50		FIXED							
36		20C	Land	262.6957	0.0000	2.0068	0.8293	0.2982	1.0323	4.1666
37		110C	Building	3062.2815	7.6132	17.4336	7.2046	3.4758	12.0331	47.7604
38		357CS	Other Digital Equipment	73879.8962	665.9181	259.1579	107.0994	83.8570	132.3703	1248.4028
39		357C	Other Digital Equipment	1176.0226	10.6001	4.1253	1.7048	1.3348	2.1460	19.9110
40			Total	78380.8959	684.1314	282.7237	116.8382	88.9658	147.5816	1320.2408
41	OVER 25 TO 50		VARIABLE							
42		20C	Land	2.6059	0.0000	0.0199	0.0082	0.0030	0.0102	0.0413
43		110C	Building	30.3774	0.0755	0.1729	0.0715	0.0345	0.1194	0.4738

Section K - Unbundled Dedicated Interoffice Transport
OC12 UDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM						OC12 UDIT			
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
44		85C	UG Cbl Nonmetallic	2293.2006	17.2002	10.7307	4.4345	2.6029	3.4576	38.4259
45		357C	Other Digital Equipment	311.5359	2.8080	1.0928	0.4516	0.3536	0.5685	5.2746
46		357CS	Other Digital Equipment	433.0077	3.9029	1.5189	0.6277	0.4915	0.7758	7.3168
47		4C	Conduit System	2435.7809	4.6113	11.7978	4.8756	2.7647	1.1119	25.1613
48		845C	Buried Cbl Nonmetallic	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49			**Total**	**5506.5085**	**28.5980**	**25.3331**	**10.4691**	**6.2501**	**6.0434**	**76.6937**
50	**OVER 50**		**FIXED**							
51		20C	Land	262.6957	0.0000	2.0068	0.8293	0.2982	1.0323	4.1666
52		110C	Building	3062.2815	7.6132	17.4336	7.2046	3.4758	12.0331	47.7604
53		357CS	Other Digital Equipment	73879.8962	665.9181	259.1579	107.0994	83.8570	132.3703	1248.4028
54		357C	Other Digital Equipment	1176.0226	10.6001	4.1253	1.7048	1.3348	2.1460	19.9110
55			**Total**	**78380.8959**	**684.1314**	**282.7237**	**116.8382**	**88.9658**	**147.5816**	**1320.2408**
56	**OVER 50**		**VARIABLE**							
57		20C	Land	4.6033	0.0000	0.0352	0.0145	0.0052	0.0181	0.0730
58		110C	Building	53.6611	0.1334	0.3055	0.1262	0.0609	0.2109	0.8369
59		85C	UG Cbl Nonmetallic	2229.2316	16.7204	10.4313	4.3108	2.5303	3.3611	37.3540
60		357C	Other Digital Equipment	325.3673	2.9327	1.1413	0.4717	0.3693	0.5937	5.5087
61		357CS	Other Digital Equipment	989.8564	8.9221	3.4722	1.4349	1.1235	1.7735	16.7263
62		4C	Conduit System	2367.8346	4.4827	11.4687	4.7396	2.6876	1.0809	24.4594
63		845C	Buried Cbl Nonmetallic	191.9244	1.0592	0.8601	0.3555	0.2178	0.2628	2.7555
64			**Total**	**6162.4786**	**34.2505**	**27.7144**	**11.4532**	**6.9947**	**7.3010**	**87.7139**
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p24 cF									
68										

Section K - Unbundled Dedicated InterofficeTransport
EUDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM					E-UDIT Without Customer Location Electronics				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
4	**DS1 E-UDIT Without Customer Location Electronics**									
5	2111	20C	Land	4.593487	0.000000	0.035092	0.014502	0.005214	0.018050	0.072857
6	2121	110C	Building	53.546939	0.133124	0.304844	0.125980	0.060778	0.210410	0.835136
7	2232.3	357C	Other Digital Equipment	255.279851	2.300971	0.895478	0.370065	0.289754	0.465828	4.322095
8	2232.2	257C	Pair Gain—Digital	609.875690	5.497128	2.139339	0.884102	0.692236	0.727276	9.940081
9	2232.2	257CP	Pair Gain—Digital	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
10	2232.2	257CS	Pair Gain—Digital	447.269436	4.031473	1.568944	0.648381	0.507671	0.518573	7.275042
11	2232.2	257CSP	Pair Gain—Digital	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
12	2411	1C	Poles	5.717438	0.041111	0.020754	0.008577	0.006490	0.002537	0.079468
13	2431	3C	Aerial Wire	0.250875	0.003054	0.001568	0.000648	0.000285	0.000385	0.005939
14	2421.11,.21	52C	Aerial Cbl Metallic	9.294880	0.092408	0.040452	0.016717	0.010550	0.105650	0.265778
15	2421.11	42C	Aerial Drop	4.124361	0.041004	0.017950	0.007418	0.004681	0.046880	0.117932
16	2422.11,.21	5C	UG Cbl Metallic	130.848822	0.841395	0.595241	0.245989	0.148519	0.483020	2.314164
17	2422.12,.22	85C	UG Cbl Nonmetallic	96.306153	0.722346	0.450649	0.186235	0.109312	0.145205	1.613747
18	2423.11,.21	45C	Buried Cbl Metallic	261.272348	2.054616	1.201092	0.496362	0.296556	2.167018	6.215644
19	2423.11	35C	Buried Drop	29.430992	0.231442	0.135297	0.055913	0.033406	0.244103	0.700160
20	2423.12,.22	845C	Buried Cbl Nonmetallic	145.010025	0.800304	0.649874	0.268566	0.164593	0.198567	2.081904
21	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	57.535238	0.292337	0.268799	0.111084	0.065305	0.362913	1.100437
22	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	2.280781	0.018808	0.011194	0.004626	0.002589	0.004481	0.041697
23	2441	4C	Conduit System	299.074994	0.566194	1.448586	0.598642	0.339464	0.136524	3.089409
24			Total	2411.712309	17.667713	9.785152	4.043806	2.737402	5.837420	40.071492
25	**DS3 E-UDIT Without Customer Location Electronics**									
26	2111	20C	Land	33.854489	0.000000	0.258629	0.106881	0.038426	0.133030	0.536966
27	2121	110C	Building	394.646610	0.981136	2.246733	0.928483	0.447942	1.550746	6.155039
28	2232.3	357C	Other Digital Equipment	1558.945094	14.051586	5.468510	2.259913	1.769473	2.844724	26.394207
29	2232.2	257C	Pair Gain—Digital	142.416201	1.283672	0.499571	0.206453	0.161649	0.169831	2.321176
30	2232.2	257CP	Pair Gain—Digital	135.384365	1.220290	0.474905	0.196259	0.153667	0.161446	2.206567
31	2232.2	257CS	Pair Gain—Digital	7971.349736	71.849938	27.962120	11.555608	9.047841	9.242147	129.657654
32	2232.2	257CSP	Pair Gain—Digital	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
33	2411	1C	Poles	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
34	2421.11,.21	52C	Aerial Cbl Metallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
35	2421.11	42C	Aerial Drop	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
36	2422.11,.21	5C	UG Cbl Metallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
37	2422.12,.22	85C	UG Cbl Nonmetallic	1105.106682	8.288876	5.171171	2.137035	1.254346	1.666215	18.517643
38	2423.11,.21	45C	Buried Cbl Metallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
39	2423.11	35C	Buried Drop	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
40	2423.12,.22	845C	Buried Cbl Nonmetallic	1753.024538	9.674864	7.856316	3.246696	1.989762	2.400480	25.168118
41	2426.1	62C	Intrabuilding Cbl., Exch., Metallic	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
42	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	30.611235	0.252429	0.150237	0.062087	0.034745	0.060137	0.559635
43	2441	4C	Conduit System	1586.629006	3.003726	7.684923	3.175866	1.800895	0.724277	16.389687
44			Total	14711.967956	110.606517	57.773115	23.875281	16.698746	18.953032	227.906692

Section K - Unbundled Dedicated InterofficeTransport
EUDIT-Investment Cost Calc

	A	B	C	D	E	F	G	H	I	J
1	Compliance Phase IIa 1/31/03 8:33:20 AM					E-UDIT Without Customer Location Electronics				
2	Arizona			Investment	Depreciation	Cost of Money	Income Tax	Ad Valorem	Maintenance	Total Capital Costs
3	Acct	FRC	Account Name		cD*(AP p7 cA)/12	cD*(AP p7 cB)/12	cD*(AP p7 cC)/12	cD*(AP p7 cD)/12	cD*(AP p7 cE)/12	sum(cE:cI)
45	**OC3 E-UDIT Without Customer Location Electronics**									
46	2111	20C	Land	67.362885	0.000000	0.514614	0.212669	0.076460	0.264699	1.068442
47	2121	110C	Building	785.258776	1.952242	4.470497	1.847475	0.891304	3.085638	12.247156
48	2232.2	257CS	Pair Gain—Digital	19246.538632	173.479105	67.513537	27.900602	21.845688	22.314833	313.053765
49	2232.2	257CSP	Pair Gain—Digital	455.523750	4.105873	1.597899	0.660347	0.517040	0.528144	7.409302
50	2422.12,.22	85C	UG Cbl Nonmetallic	2985.526044	22.393000	13.970295	5.773355	3.388706	4.501402	50.026759
51	2423.12,.22	845C	Buried Cbl Nonmetallic	4735.923235	26.137349	21.224410	8.771186	5.375486	6.485070	67.993501
52	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	82.698476	0.681956	0.405875	0.167732	0.093866	0.162466	1.511895
53	2441	4C	Conduit System	4286.393611	8.114784	20.761378	8.579834	4.865250	1.956686	44.277932
54			Total	32645.225410	236.864309	130.458505	53.913200	37.053801	39.298937	497.588752
55	**OC12 E-UDIT Without Customer Location Electronics**									
56	2111	20C	Land	157.669807	0.000000	1.204506	0.497774	0.178962	0.619556	2.500799
57	2121	110C	Building	1837.979470	4.569425	10.463662	4.324206	2.086189	7.222255	28.665737
58	2232.2	257CS	Pair Gain—Digital	45048.516410	406.045806	158.022424	65.304248	51.132095	52.230177	732.734750
59	2232.2	257CSP	Pair Gain—Digital	455.523750	4.105873	1.597899	0.660347	0.517040	0.528144	7.409302
60	2422.12,.22	85C	UG Cbl Nonmetallic	2985.526044	22.393000	13.970295	5.773355	3.388706	4.501402	50.026759
61	2423.12,.22	845C	Buried Cbl Nonmetallic	4735.923235	26.137349	21.224410	8.771186	5.375486	6.485070	67.993501
62	2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	82.698476	0.681956	0.405875	0.167732	0.093866	0.162466	1.511895
63	2441	4C	Conduit System	4286.393611	8.114784	20.761378	8.579834	4.865250	1.956686	44.277932
64			Total	59590.230803	472.048193	227.650449	94.078682	67.637595	73.705755	935.120674
65	**Investment Sources**									
66	Land= (AP p12 D10) * 377C + (AP p12 E10) * (57C+257C+357C+357CS)						Building = (AP p12 B10) * 377C + (AP p12 C10) * (57C+257C+357C+357CS)			
67	All other investments = sK p19 cE									

	A	B	C	D	E
1	Compliance Phase IIa 1/31/03 8:33:20 AM				
2		**E-UDIT**			
3	Arizona				
4	**Description**	**FRC**	**Default Value**	**Overrides**	**This Run**
5					
6	**DS1 E-UDIT Without Customer Location Electronics**			AP p15	
7	CIRCUIT-OTHER DIGITAL	357C	$255.28		$255.28
8	CIRCUIT-SUB PAIR GAIN-DIGITAL	257C	$609.88		$609.88
9	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CP	$0.00		$0.00
10	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CS	$447.27		$447.27
11	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CSP	$0.00		$0.00
12	POLES	1C	$5.72		$5.72
13	C WIRE	3C	$0.25		$0.25
14	CONDUIT SYSTEMS	4C	$299.07		$299.07
15	UNDERGROUND CABLE METALLIC	5C	$130.85		$130.85
16	BURIED DROP	35C	$29.43		$29.43
17	AERIAL DROP	42C	$4.12		$4.12
18	BURIED CABLE METALLIC	45C	$261.27		$261.27
19	AERIAL CABLE METALLIC	52C	$9.29		$9.29
20	INTRABUILDING CABLE METALLIC	62C	$57.54		$57.54
21	UNDERGROUND CABLE NONMETALLIC	85C	$96.31		$96.31
22	BURIED CABLE NONMETALLIC	845C	$145.01		$145.01
23	INTRABUILDING CABLE NONMETALLIC	862C	$2.28		$2.28
24					
25	**DS3 E-UDIT Without Customer Location Electronics**			AP p15	
26	CIRCUIT-OTHER DIGITAL	357C	$1,558.95		$1,558.95
27	CIRCUIT-DIGITAL	257C	$142.42		$142.42
28	CIRCUIT-DIGITAL SONET	257CS	$7,971.35		$7,971.35
29	CIRCUIT-DIGITAL-PREMISES	257CP	$135.38		$135.38
30	CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$0.00		$0.00
31	POLES	1C	$0.00		$0.00
32	CONDUIT SYSTEMS	4C	$1,586.63		$1,586.63
33	UNDERGROUND CABLE METALLIC	5C	$0.00		$0.00
34	BURIED DROP	35C	$0.00		$0.00
35	AERIAL DROP	42C	$0.00		$0.00
36	BURIED CABLE METALLIC	45C	$0.00		$0.00
37	AERIAL CABLE METALLIC	52C	$0.00		$0.00
38	INTRABUILDING CABLE METALLIC	62C	$0.00		$0.00
39	UNDERGROUND CABLE NONMETALLIC	85C	$1,105.11		$1,105.11
40	BURIED CABLE NONMETALLIC	845C	$1,753.02		$1,753.02
41	INTRABUILDING CABLE NONMETALLIC	862C	$30.61		$30.61
42					
43	**OC3 E-UDIT Without Customer Location Electronics**				
44	CIRCUIT-DIGITAL SONET	257CS	$19,246.54		$19,246.54
45	CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$455.52		$455.52
46	CONDUIT SYSTEMS	4C	$4,286.39		$4,286.39
47	UNDERGROUND CABLE NONMETALLIC	85C	$2,985.53		$2,985.53
48	BURIED CABLE NONMETALLIC	845C	$4,735.92		$4,735.92
49	INTRABUILDING CABLE NONMETALLIC	862C	$82.70		$82.70
50					
51	**OC12 E-UDIT Without Customer Location Electronics**				
52	CIRCUIT-DIGITAL SONET	257CS	$45,048.52		$45,048.52
53	CIRCUIT-DIGITAL SONET-PREMISES	257CSP	$455.52		$455.52
54	CONDUIT SYSTEMS	4C	$4,286.39		$4,286.39
55	UNDERGROUND CABLE NONMETALLIC	85C	$2,985.53		$2,985.53
56	BURIED CABLE NONMETALLIC	845C	$4,735.92		$4,735.92
57	INTRABUILDING CABLE NONMETALLIC	862C	$82.70		$82.70

Section K - Unbundled Dedicated InterofficeTransport
DS0PL UNE TM Output

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona
2	Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
3	OVER 0 TO 8	FIXED	357C	766.2564249	0.102157679	766.358583
4	OVER 0 TO 8	FIXED	357CS	19.04158674	0	19.041587
5	OVER 0 TO 8	DISTANCE SENSITIVE	357C	0.080807932	0.030847976	0.111656
6	OVER 0 TO 8	DISTANCE SENSITIVE	357CS	1.080804861	0	1.080805
7	OVER 0 TO 8	DISTANCE SENSITIVE	4C	2.893011808	0	2.893012
8	OVER 0 TO 8	DISTANCE SENSITIVE	845C	0.013779945	0.006787137	0.020567
9	OVER 0 TO 8	DISTANCE SENSITIVE	85C	1.824856986	0.898810157	2.723667
10	OVER 8 TO 25	FIXED	357C	766.2768256	0.112205797	766.389031
11	OVER 8 TO 25	FIXED	357CS	19.96870448	0	19.968704
12	OVER 8 TO 25	DISTANCE SENSITIVE	357C	0.089279871	0.037569837	0.126850
13	OVER 8 TO 25	DISTANCE SENSITIVE	357CS	0.823524522	0	0.823525
14	OVER 8 TO 25	DISTANCE SENSITIVE	4C	2.492107764	0	2.492108
15	OVER 8 TO 25	DISTANCE SENSITIVE	845C	0.06102527	0.030057222	0.091082
16	OVER 8 TO 25	DISTANCE SENSITIVE	85C	1.571974318	0.774256007	2.346230
17	OVER 25 TO 50	FIXED	357C	766.3164455	0.131720081	766.448166
18	OVER 25 TO 50	FIXED	357CS	21.34061327	0	21.340613
19	OVER 25 TO 50	DISTANCE SENSITIVE	357C	0.020229712	0.002713888	0.022944
20	OVER 25 TO 50	DISTANCE SENSITIVE	357CS	1.03901689	0	1.039017
21	OVER 25 TO 50	DISTANCE SENSITIVE	4C	2.04905169	0	2.049052
22	OVER 25 TO 50	DISTANCE SENSITIVE	845C	0.620454994	0.305597236	0.926052
23	OVER 25 TO 50	DISTANCE SENSITIVE	85C	1.292502948	0.63660593	1.929109
24	OVER 50	FIXED	357C	766.2687824	0.108244226	766.377027
25	OVER 50	FIXED	357CS	19.67399383	0	19.673994
26	OVER 50	DISTANCE SENSITIVE	357C	0.024342976	0.008341455	0.032684
27	OVER 50	DISTANCE SENSITIVE	357CS	0.539598971	0	0.539599
28	OVER 50	DISTANCE SENSITIVE	4C	1.136361979	0	1.136362
29	OVER 50	DISTANCE SENSITIVE	845C	0.030186926	0.014868187	0.045055
30	OVER 50	DISTANCE SENSITIVE	85C	0.716795587	0.353048573	1.069844
31	All	FIXED	357C	766.2663905	0.107066104	766.373457
32	All	FIXED	357CS	19.48313582	0	19.483136
33	All	DISTANCE SENSITIVE	357C	0.079359404	0.031349439	0.110709
34	All	DISTANCE SENSITIVE	357CS	0.962314146	0	0.962314
35	All	DISTANCE SENSITIVE	4C	2.642017408	0	2.642017
36	All	DISTANCE SENSITIVE	845C	0.052088784	0.02565567	0.077744
37	All	DISTANCE SENSITIVE	85C	1.666534478	0.820830415	2.487365
38	These are investments outputs from the Transport Module.					

Section K - Unbundled Dedicated InterofficeTransport
DS1PL UNE TM Output

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona
2	Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
3	OVER 0 TO 8	FIXED	357C	936.7271263	1.761139827	938.488266
4	OVER 0 TO 8	FIXED	357CS	331.5730953	0	331.573095
5	OVER 0 TO 8	DISTANCE SENSITIVE	357C	1.346573754	0.567423323	1.913997
6	OVER 0 TO 8	DISTANCE SENSITIVE	357CS	10.19809179	0	10.198092
7	OVER 0 TO 8	DISTANCE SENSITIVE	4C	31.75259687	0	31.752597
8	OVER 0 TO 8	DISTANCE SENSITIVE	845C	0	0	0.000000
9	OVER 0 TO 8	DISTANCE SENSITIVE	85C	20.02893595	9.864998306	29.893934
10	OVER 8 TO 25	FIXED	357C	936.9499789	1.870903055	938.820882
11	OVER 8 TO 25	FIXED	357CS	341.9310984	0	341.931098
12	OVER 8 TO 25	DISTANCE SENSITIVE	357C	1.733973834	0.805878381	2.539852
13	OVER 8 TO 25	DISTANCE SENSITIVE	357CS	5.924705665	0	5.924706
14	OVER 8 TO 25	DISTANCE SENSITIVE	4C	26.76754075	0	26.767541
15	OVER 8 TO 25	DISTANCE SENSITIVE	845C	0.179028061	0.088178	0.267206
16	OVER 8 TO 25	DISTANCE SENSITIVE	85C	16.88445709	8.316225135	25.200682
17	OVER 25 TO 50	FIXED	357C	937.4461556	2.115288594	939.561444
18	OVER 25 TO 50	FIXED	357CS	360.1670569	0	360.167057
19	OVER 25 TO 50	DISTANCE SENSITIVE	357C	0.323736121	0.012777192	0.336513
20	OVER 25 TO 50	DISTANCE SENSITIVE	357CS	19.48898017	0	19.488980
21	OVER 25 TO 50	DISTANCE SENSITIVE	4C	39.7836959	0	39.783696
22	OVER 25 TO 50	DISTANCE SENSITIVE	845C	6.891945498	3.39454032	10.286486
23	OVER 25 TO 50	DISTANCE SENSITIVE	85C	25.09480093	12.36012583	37.454927
24	OVER 50	FIXED	357C	937.2786831	2.032802138	939.311485
25	OVER 50	FIXED	357CS	358.9259626	0	358.925963
26	OVER 50	DISTANCE SENSITIVE	357C	0.336392717	0.089463776	0.425856
27	OVER 50	DISTANCE SENSITIVE	357CS	10.51723346	0	10.517233
28	OVER 50	DISTANCE SENSITIVE	4C	23.31043762	0	23.310438
29	OVER 50	DISTANCE SENSITIVE	845C	0	0	0.000000
30	OVER 50	DISTANCE SENSITIVE	85C	14.703782	7.242161281	21.945943
31	All	FIXED	357C	936.8639788	1.828544829	938.692524
32	All	FIXED	357CS	337.9201909	0	337.920191
33	All	DISTANCE SENSITIVE	357C	1.473479419	0.652166954	2.125646
34	All	DISTANCE SENSITIVE	357CS	8.358476192	0	8.358476
35	All	DISTANCE SENSITIVE	4C	29.22930444	0	29.229304
36	All	DISTANCE SENSITIVE	845C	0.195739819	0.096409165	0.292149
37	All	DISTANCE SENSITIVE	85C	18.43729095	9.08105375	27.518345
38						
39	These are investments outputs from the Transport Module.					

Section K - Unbundled Dedicated InterofficeTransport
DS3PL UNE TM Output

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona
2	Mileage Band	Fixed or DISTANCE SENSITIVE	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total Investment
3	OVER 0 TO 8	FIXED	357C	1199.512526	35.94124821	1235.453774
4	OVER 0 TO 8	FIXED	357CS	6820.586342	0	6820.586342
5	OVER 0 TO 8	DISTANCE SENSITIVE	357C	36.0884749	10.42642464	46.514900
6	OVER 0 TO 8	DISTANCE SENSITIVE	357CS	575.8245437	0	575.824544
7	OVER 0 TO 8	DISTANCE SENSITIVE	4C	1263.888292	0	1263.888292
8	OVER 0 TO 8	DISTANCE SENSITIVE	845C	0	0	0.000000
9	OVER 0 TO 8	DISTANCE SENSITIVE	85C	797.2367663	392.668855	1189.905621
10	OVER 8 TO 25	FIXED	357C	1202.341192	37.33447156	1239.675663
11	OVER 8 TO 25	FIXED	357CS	6940.124371	0	6940.124371
12	OVER 8 TO 25	DISTANCE SENSITIVE	357C	37.02078676	17.16391465	54.184701
13	OVER 8 TO 25	DISTANCE SENSITIVE	357CS	89.53035252	0	89.530353
14	OVER 8 TO 25	DISTANCE SENSITIVE	4C	457.1876992	0	457.187699
15	OVER 8 TO 25	DISTANCE SENSITIVE	845C	10.3025125	5.07437183	15.376884
16	OVER 8 TO 25	DISTANCE SENSITIVE	85C	288.3853307	142.040536	430.425867
17	OVER 25 TO 50	FIXED	357C	1188.432762	30.48405089	1218.916813
18	OVER 25 TO 50	FIXED	357CS	6310.217923	0	6310.217923
19	OVER 25 TO 50	DISTANCE SENSITIVE	357C	24.37913095	9.783207077	34.162338
20	OVER 25 TO 50	DISTANCE SENSITIVE	357CS	238.6067567	0	238.606757
21	OVER 25 TO 50	DISTANCE SENSITIVE	4C	469.1170646	0	469.117065
22	OVER 25 TO 50	DISTANCE SENSITIVE	845C	0	0	0.000000
23	OVER 25 TO 50	DISTANCE SENSITIVE	85C	295.9101482	145.7467894	441.656938
24	OVER 50	FIXED	357C	1197.855481	35.12509183	1232.980573
25	OVER 50	FIXED	357CS	6720.066117	0	6720.066117
26	OVER 50	DISTANCE SENSITIVE	357C	22.20732124	10.16210008	32.369421
27	OVER 50	DISTANCE SENSITIVE	357CS	165.6407703	0	165.640770
28	OVER 50	DISTANCE SENSITIVE	4C	286.9135624	0	286.913562
29	OVER 50	DISTANCE SENSITIVE	845C	35.71926683	17.59307172	53.312339
30	OVER 50	DISTANCE SENSITIVE	85C	180.9796342	89.13922283	270.118857
31	All	FIXED	357C	1198.494104	35.43963743	1233.933742
32	All	FIXED	357CS	6767.54227	0	6767.542270
33	All	DISTANCE SENSITIVE	357C	32.99385521	12.42910158	45.422957
34	All	DISTANCE SENSITIVE	357CS	323.094024	0	323.094024
35	All	DISTANCE SENSITIVE	4C	774.5299697	0	774.529970
36	All	DISTANCE SENSITIVE	845C	7.287139548	3.589188135	10.876328
37	All	DISTANCE SENSITIVE	85C	488.5588169	240.6334471	729.192264
38	These are investments outputs from the Transport Module.					

Section K - Unbundled Dedicated InterofficeTransport
OC3PL UNE TM Output

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona
2	Mileage Band	Fixed or Variable	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total
3	Over 0 to 8	Fixed	357C	405.99	135.23	541.22
4	Over 0 to 8	Fixed	357CS	26222.75	0.00	26222.75
5	Over 0 to 8	Variable	357C	78.63	38.39	117.02
6	Over 0 to 8	Variable	357CS	3154.37	0.00	3154.37
7	Over 0 to 8	Variable	4C	3454.31	0.00	3454.31
8	Over 0 to 8	Variable	845C	0.00	0.00	0.00
9	Over 0 to 8	Variable	85C	2178.91	1073.20	3252.11
10	Over 8 to 25	Fixed	357C	416.02	138.58	554.60
11	Over 8 to 25	Fixed	357CS	26416.46	0.00	26416.46
12	Over 8 to 25	Variable	357C	129.44	63.69	193.13
13	Over 8 to 25	Variable	357CS	453.45	0.00	453.45
14	Over 8 to 25	Variable	4C	1517.58	0.00	1517.58
15	Over 8 to 25	Variable	845C	30.91	15.22	46.13
16	Over 8 to 25	Variable	85C	957.26	471.49	1428.75
17	Over 25 to 50	Fixed	357C	366.67	122.14	488.80
18	Over 25 to 50	Fixed	357CS	25362.83	0.00	25362.83
19	Over 25 to 50	Variable	357C	82.70	40.61	123.32
20	Over 25 to 50	Variable	357CS	1118.18	0.00	1118.18
21	Over 25 to 50	Variable	4C	1531.84	0.00	1531.84
22	Over 25 to 50	Variable	845C	0.00	0.00	0.00
23	Over 25 to 50	Variable	85C	966.26	475.92	1442.18
24	Over 50	Fixed	357C	400.10	133.28	533.38
25	Over 50	Fixed	357CS	26036.08	0.00	26036.08
26	Over 50	Variable	357C	85.98	42.28	128.26
27	Over 50	Variable	357CS	622.46	0.00	622.46
28	Over 50	Variable	4C	1083.23	0.00	1083.23
29	Over 50	Variable	845C	107.16	52.78	159.94
30	Over 50	Variable	85C	683.28	336.54	1019.82
31	Average	Fixed	357C	402.37	134.03	536.40
32	Average	Fixed	357CS	26128.99	0.00	26128.99
33	Average	Variable	357C	96.18	47.18	143.36
34	Average	Variable	357CS	1696.64	0.00	1696.64
35	Average	Variable	4C	2274.34	0.00	2274.34
36	Average	Variable	845C	21.86	10.77	32.63
37	Average	Variable	85C	1434.61	706.60	2141.21

Section K - Unbundled Dedicated InterofficeTransport
OC12PL UNE TM Output

	A	B	C	D	E	F
1	Compliance Phase IIa 1/31/03 8:33:20 AM					Arizona
2	Mileage Band	Fixed or Variable	FRC	TOTAL DIRECT	NETWORK SUPPORT	Total
3	Over 0 to 8	Fixed	357C	882.17	293.85	1176.02
4	Over 0 to 8	Fixed	357CS	73879.90	0.00	73879.90
5	Over 0 to 8	Variable	357C	162.85	80.21	243.05
6	Over 0 to 8	Variable	357CS	0.00	0.00	0.00
7	Over 0 to 8	Variable	4C	2525.87	0.00	2525.87
8	Over 0 to 8	Variable	845C	0.00	0.00	0.00
9	Over 0 to 8	Variable	85C	1593.27	784.75	2378.02
10	Over 8 to 25	Fixed	357C	882.17	293.85	1176.02
11	Over 8 to 25	Fixed	357CS	73879.90	0.00	73879.90
12	Over 8 to 25	Variable	357C	274.04	134.98	409.02
13	Over 8 to 25	Variable	357CS	12.63	0.00	12.63
14	Over 8 to 25	Variable	4C	2521.99	0.00	2521.99
15	Over 8 to 25	Variable	845C	37.09	18.27	55.36
16	Over 8 to 25	Variable	85C	1590.82	783.54	2374.36
17	Over 25 to 50	Fixed	357C	882.17	293.85	1176.02
18	Over 25 to 50	Fixed	357CS	73879.90	0.00	73879.90
19	Over 25 to 50	Variable	357C	208.73	102.81	311.54
20	Over 25 to 50	Variable	357CS	433.01	0.00	433.01
21	Over 25 to 50	Variable	4C	2435.78	0.00	2435.78
22	Over 25 to 50	Variable	845C	0.00	0.00	0.00
23	Over 25 to 50	Variable	85C	1536.44	756.76	2293.20
24	Over 50	Fixed	357C	882.17	293.85	1176.02
25	Over 50	Fixed	357CS	73879.90	0.00	73879.90
26	Over 50	Variable	357C	218.00	107.37	325.37
27	Over 50	Variable	357CS	989.86	0.00	989.86
28	Over 50	Variable	4C	2367.83	0.00	2367.83
29	Over 50	Variable	845C	128.59	63.34	191.92
30	Over 50	Variable	85C	1493.59	735.65	2229.23
31	Average	Fixed	357C	882.17	293.85	1176.02
32	Average	Fixed	357CS	73879.90	0.00	73879.90
33	Average	Variable	357C	211.41	104.13	315.54
34	Average	Variable	357CS	183.06	0.00	183.06
35	Average	Variable	4C	2492.79	0.00	2492.79
36	Average	Variable	845C	26.23	12.92	39.15
37	Average	Variable	85C	1572.40	774.47	2346.87

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

	A	B
1	Compliance Phase IIa 1/31/03 8:33:20 AM	
2		
3	**Factor Description**	***Arizona***
4		**RTU**
5	**Digital Electronic Expense - RTU 377C**	0.000000
6	***Direct Costs***	
7		
8	***Directly Assigned***	
9		**Direct**
10	**Product Management Expense**	0.034281
11	**Sales Expense**	0.011333
12	**Product Advertising Expense**	0.000000
13	**Business Fees (Other Operating Taxes)**	0.001848
14	***Directly Assigned Costs***	
15		
16	***Total Direct***	
17		
18	***Directly Attributed***	**Attributed**
19	**Network Operations**	0.050289
20	**Network Support Assets**	0.015375
21	**General Support Assets**	0.080638
22	**General Purpose Computers**	0.036437
23	**Uncollectible - Interconnect**	0.001017
24	**Accounting and Finance Expense**	0.007523
25	**Human Resources Expense**	0.007263
26	**Information Management Expense**	0.051570
27	**Intangibles**	0.002516
28		
29		
30		
31		
32	***Common***	**Common**
33	**Executive Expense**	0.005786
34	**Planning Expense**	0.000498
35	**External Relations Expense**	0.008170
36	**Legal Expense**	0.005352
37	**Other Procurement Expense**	0.002025
38	**Research and Development Expense**	0.000031
39	**Other General and Admin Exp**	0.015781

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

Cell: A5
Comment: The Switching Right-To-Use (RTU) factor estimates the expensed RTU switching fees that make up a portion of the annual costs associated with digital switches. The factor numerator is based on the field reporting code (FRC) of 377M (Digital Electronic Switching Maintenance) and expenditure type codes of 61A (upgrades of operating system RTU), 61C (recurring RTU fees), and 61F (upgrades of application RTU). The denominator consists of the ending balance for FRC 377C (in Account 2212, Digital Electronic Switching).

Cell: A8
Comment: Directly assigned factors are used to directly assign expenses to a product or service. That is, accounting records allow expenses to be tracked down to a particular product or service.

Cell: A10
Comment: Product Management Expense Factor
Product Management Expense, account 6611: Product management includes 1) Rate and Tariff - Development which are the costs of providing new or revised tariff offerings, making studies in support of specific dockets and to identify and analyze costs for regulatory activities and 2) Market Forecast - Management Administration and Analysis which are the costs associated with analyzing all forecasts of current and future market conditions, presenting a detailed customer profile, establishing and tracking revenue objectives, as well as performing basic office services. Product management in a interconnect marketplace will be similar to that of the retail market. In fact it will be like the product management that U S WEST performs today in its Carrier market unit which manages wholesale services such as switched and dedicated access products. In this model, U S WEST used the cost of its carrier marketing product management product group. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A11
Comment: Sales Expense Factor
Sales Expense, account 6612: Included in this factor are costs incurred with performing sales contact work, servicing and implementation activities for the purpose of selling products and services to accounts in a particular market or segment. Sales expense in a interconnect marketplace will be similar to that of the retail market. In fact it will be like the Sales expense that U S WEST performs today in its Carrier market unit which manages wholesale services such as switched and dedicated access products. In this model U S WEST used the cost of its carrier marketing sales product group. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A12
Comment: Product Advertising Expense Factor
Product advertising expense, account 6613: Includes costs incurred in developing and implementing promotional strategies to stimulate the purchase of products and services. This excludes non product related advertising, such as corporate image, stock and bond issue and employment advertisements, which is included in the appropriate functional accounts. Product advertising is not included in U S West's TELRIC studies. Product advertising is avoided for interconnect services and set to zero.

Cell: A13
Comment: The Business Fees factor estimates the expenses associated with other operating taxes. The factor numerator is based on account 7240 (Operating Other Taxes), specifically 7240.2 through 7240.9. The sub accounts of .2 through .9 represent gross receipts taxes, cost of franchises, capital stock taxes, superfund taxes and other taxes. The business fees denominator consists of the sum of the Directly Attributed denominator less the Business Fees numerator.

Business fees is calculated by multiplying the Total Investment Based Costs +Other Direct Expense Inputs + Product Management + Sales Expense + Product Advertising Expense by the Business fees factor.

Cell: A18

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

Comment: Directly attributed factors are used to indirectly assign or attribute expenses to a product or service. That is, accounting records do not track investments and expenses down to a product level. For example, switching equipment expenses and investments are used for a number of services. Since this equipment is shared by many products and services, the cost of switching cannot be directly assigned to any of them. However, it can be indirectly assigned or attributed through an allocation process.

Cell: A19
Comment: Network Operations
Network Operations: The numerator for this factor is Account 6532, 6534 and 6535.

Account 6532, includes costs incurred in network administration. This includes such activities as controlling traffic flow, administering traffic measuring and monitoring devices, assigning equipment and load balancing, collecting and summarizing traffic data, administering trunking and assigning interoffice facilities and circuit layout work.

Account 6534, includes costs incurred in the general administration of plant operations. This includes supervising plant operations, planning, coordinating and monitoring plant operations; and performing staff work such as developing methods and procedures, preparing and conducting training and coordinating safety programs.

Account 6535, includes costs incurred in the general engineering of the telecommunications plant which are not directly chargeable to an undertaking or project. This includes developing input to the fundamental planning process, performing preliminary work or advance planning in connection with potential undertakings, and performing special studies of an engineering nature.

These expenses are adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A20
Comment: Network Support Assets
Network Support Assets: Included in this factor are accounts 2112-2116.

Account 2112, Motor Vehicles includes the original cost of motor vehicles of those types which are designed and routinely licensed to operate on public streets and highways.

Account 2113, Aircraft includes the original cost of company owned aircraft and any associated equipment and furnishing installed as an integral part of the aircraft.

Account 2114, Special Purpose Vehicles includes the original cost of special purpose vehicles. Special purpose vehicles are self propelled and are therefore independent upon another vehicle's engine for power.

Account 2115, Garage Work Equipment includes the original cost of tools and equipment used to maintain items included in Accounts 2112, 2113, 2114. Items such as Air compressors, car hoists, garage jacks, gasoline pumps etc.

Account 2116, Other Work Equipment includes the original cost of power operated equipment, general purpose tools and other items of work equipment.

The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation). These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study year.

Cell: A21
Comment: General Support Assets

Appendix - Factors, Investment Loadings and ICM Inputs
Expense Factors

General Support Assets: Included in this factor are accounts 2111, 2121-23,1220, 2681.1,.9, 2682.1.

Account 2111, Land includes the original cost of all land held in fee and of easements, and similar rights in land having a term of more than one year used for purposes other than the location of outside plant or externally mounted central office equipment.

Account 2121, Buildings includes the original cost of buildings, and the cost of all permanent fixtures, machinery, appurtenances and appliances installed as a part thereof. It shall include costs incident to the construction or purchase of a building and to securing possession and title.

Account 2123, Office Equipment includes the original cost of office equipment in offices, shops and all other quarters. Account 1220, Inventories includes the cost of material and supplies held in stock and inventories of goods held for resale or lease.

Account 2681.1,9, Land and Buildings and Other are: amounts recorded in this account at the inception of a capital lease shall be equal to the original cost, if known, or to the present value not to exceed fair value, at the beginning of the lease term, of minimum lease payments during the lease term, excluding that portion of the payments representing executory costs to be paid by the lessor, together with any profit thereon.

Account 2682.1, Land & Buildings, this account shall include the original cost of lease hold improvements made to telecommunications plant held under a capital or operating lease, which are subject to amortization treatment. The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation) where applicable. These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study

Cell: A22
Comment: General Purpose Computers
General Purpose Computers: Included in this factor are accounts 2124, 2681.3 & 4 and 2682.2.

Account 2124, General Purpose Computers includes the original cost of computers and peripheral devices which are designed to perform general administrative information processing activities.

Account 2681.3 & 4 Computers and Computer Software Capital leases, includes the amounts recorded in this account at the inception of a capital lease shall be equal to the original cost, if known, or to the present value not to exceed fair value, at the beginning of the lease term, of minimum lease payments during the lease term, excluding that portion of the payments representing executory costs to be paid by the lessor, together with any profit thereon.

Account 2682.2 Computer Leasehold Improvements, this account shall include the original cost of lease hold improvements made to telecommunications plant held under a capital or operating lease, which are subject to amortization treatment. The investment in these accounts are converted to expenses to calculate a factor. This is done by multiplying the investment dollars by an Ad Valorem factor, and Capital Costs (Cost of Money, Income Taxes and Depreciation) where applicable. These investments were also adjusted by a Current Cost to Book Cost ratio and TPI's, to bring expenses to study year where applicable.

Cell: A23
Comment: Uncollectible - Interconnect
Uncollectible - Interconnect: included in this factor is Account 5301.4 & .5 and Account 5302.

Account 5301.4 Interstate - Carrier Access Services (Uncollectibles) include the accruals to the reserve to provide for the write-offs of uncollectible interstate operating revenues arising from CABS services.

Account 5301.5 Intrastate - Carrier Access Services (Uncollectibles) include the accruals to the reserve for

the write-offs of uncollectible intrastate operating revenues arising from CABS services.

Account 5302 Uncollectible Revenue - Other this account shall be charged with amounts concurrently credited to account 1190, Other Accounts Receivable, or to Account 1191, Accounts Receivable Allowance - Other, when such allowance is maintained.

Cell: A24
Comment: Accounting and Finance Expense
Accounting and Finance Expense: Included in this factor is Account 6721, Accounting and Finance Expense. This includes the costs incurred in providing accounting and financial services. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A25
Comment: Human Resources Expense
Human Resources Expense: Included in this factor is Account 6723, Human Resources Expense. This includes the costs incurred in performing personnel administration activities such as Equal Employment Opportunity and Affirmative Action Programs, General Employment Services, Employee data for forecasting, planning and reporting etc. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A26
Comment: Information Management Expense
Information Management Expense, account 6724: Included in this factor are costs incurred in planning, developing, testing, implementing and maintaining data bases and application systems for general purpose computers. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A27
Comment: Intangibles
Intangibles, Account 2690: Includes the cost of organizing and incorporating the company, the original cost of government franchise, the original cost of patent rights, and other intangible property having a life of more than one year and uses in connection with the company's telecommunications. The investment in this account is converted to expense to calculate the factor. This is done by multiplying the investment dollars by Cost of Money & Income Tax factors. These expenses are also adjusted with inflation factors to bring expenses to study year.

Cell: A32
Comment: Common factors are developed for expenses that cannot be directly or indirectly assigned to a service but are needed for the operation of the business that provides the service (i.e., executive expense.)

Cell: A33
Comment: Executive Expense
Executive Expense, account 6711: Included in this numerator is executive expense which shall include costs incurred in formulating corporate policy and in providing overall administration and management. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A34
Comment: Planning Expense
Planning Expense, account 6712: Included in this factor are costs incurred in developing and evaluating long-term courses of action for the future operations of the Company. This includes performing corporate

organization and integrated long-range planning, including management studies, options and contingency plans, and economic strategic analysis. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A35
Comment: External Relations Expense
External Relations Expense, account 6722: Included in this factor are costs incurred in maintaining relations with government, regulators, other companies and the general public. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A36
Comment: Legal Expense
Legal Expense, account 6725: Included in this factor are costs incurred in providing legal services. This includes conducting and coordinating litigation, providing guidance on regulatory and labor matters, preparing, reviewing and filing patents and contracts and interpreting legislation. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A37
Comment: Other Procurement Expense
Other Procurement Expense, account 6726: Included in this factor are costs incurred in procuring material and supplies, including office supplies. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A38
Comment: Research and Development Expense
Research and Development Expense, account 6727: Included in this factor are costs incurred in making planned search or critical investigation aimed at discovery of new knowledge. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Cell: A39
Comment: Other General and Administrative Expenses
Other General and Administrative Expenses, account 6728: Included in this factor are costs incurred in performing general administrative activities not directly charged to the user, and not provided for in other accounts. This includes providing general reference libraries, food services, archives, general security investigation services, operating official private branch exchanges in the conduct of the business and telecommunications and mail services. These expenses are also adjusted with cost savings and inflation factors to bring expenses to study year.

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

CAPCOST FACTORS								
Compliance Phase IIa 1/31/03 8:33:20 AM								
		Cost_of_Money	0.09607789	PreTax COM	0.13590312		State:	Arizona
		Cost_of_Debt	0.0739	PostTax COM	0.0821817			
		Debt_Ratio	0.4757					
		Discount_Rate	0.09607789					
			Depreciation	Cost of Money	Income Tax	Total CAPCOST	Ad Valorem	Maintenance
Acct	FRC	Account Name	A	B	C	D	E	F
2111	20C	Land	0.000000	0.091673	0.037885	0.129558	0.013621	0.047153
2212	164C	Motor Vehicles	0.101719	0.045155	0.018661	0.165535	0.013621	
2112	1364C	Aircraft	0.000000	0.000000	0.000000	0.000000	0.013621	
2114	464C	Spec. Purpose Vehicles	0.062112	0.055893	0.023098	0.141102	0.013621	
2115	264C	Garage Work Equipment	0.075912	0.055424	0.022905	0.154241	0.013621	
2116	564C	Other Work Equipment	0.080870	0.056271	0.023255	0.160396	0.013621	
2121	110C	Building	0.029833	0.068316	0.028232	0.126382	0.013621	0.047153
2122	161C	Furniture	0.127074	0.045928	0.018980	0.191983	0.013621	
2123	261C	Office Equipment	0.153300	0.045994	0.019008	0.218302	0.013621	
2124	361C	General Purpose Comp.	0.196053	0.045115	0.018644	0.259812	0.013621	
2212	377C	Digital Switch	0.104217	0.041985	0.017351	0.163553	0.013621	0.028112
2220	117C	Operator Systems	0.109083	0.041006	0.016946	0.167034	0.013621	0.036430
2231	67C	Radio Microwave	0.083467	0.048405	0.020004	0.151876	0.013621	0.021684
2232.1	157C	Digital Data System	0.129496	0.042526	0.017574	0.189597	0.013621	0.004235
2232.2	257C	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.014310
2232.2	257CS	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.013913
2232.2	257CSP	Pair Gain—Digital	0.108162	0.042094	0.017396	0.167652	0.013621	0.013913
2232.3	357C	Other Digital Equipment	0.108162	0.042094	0.017396	0.167652	0.013621	0.021897
2232.3	357CS	Other Digital Equipment	0.108162	0.042094	0.017396	0.167652	0.013621	0.021500
2232.4	457C	Pair Gain—Analog	0.135673	0.041961	0.017341	0.194975	0.013621	0.107234
2232.5	57C	Other Analog Equipment	0.135673	0.041961	0.017341	0.194975	0.013621	0.186051
2351	188C	Public Telephones	0.088608	0.058329	0.024105	0.171042	0.013621	-
2362	858C	Chan. Term. Eq.	0.144118	0.060033	0.024809	0.228960	0.013621	0.068275
2411	1C	Poles	0.086285	0.043560	0.018001	0.147846	0.013621	0.005325
2421.11,.21	52C	Aerial Cbl Metallic	0.119302	0.052225	0.021583	0.193109	0.013621	0.136398
2421.11	42C	Aerial Drop	0.119302	0.052225	0.021583	0.193109	0.013621	0.136398
2421.12,.22	852C	Aerial Cbl Nonmetallic	0.101534	0.051572	0.021313	0.174419	0.013621	0.017003
2422.11,.21	5C	UG Cbl Metallic	0.077163	0.054589	0.022559	0.154312	0.013621	0.044297
2422.12,.22	85C	UG Cbl Nonmetallic	0.090006	0.056152	0.023205	0.169364	0.013621	0.018093
2423.11,.21	45C	Buried Cbl Metallic	0.094367	0.055165	0.022797	0.172329	0.013621	0.099529
2423.11	35C	Buried Drop	0.094367	0.055165	0.022797	0.172329	0.013621	0.099529
2423.12,.22	845C	Buried Cbl Nonmetallic	0.066227	0.053779	0.022225	0.142231	0.013621	0.016432
2424.11,.21	6C	Submarine Cbl., Exch., Metallic	0.081512	0.058031	0.023982	0.163525	0.013621	0.014958
2424.12,.22	86C	Submarine Cbl., Exch., Nonmetallic	0.126675	0.062288	0.025741	0.214704	0.013621	0.014958
2426.1	62C	Intrabuilding Cbl., Exch., Metallic	0.060972	0.056063	0.023169	0.140203	0.013621	0.075692
2426.2	862C	Intrabuilding Cbl., Exch., Nonmetallic	0.098955	0.058895	0.024339	0.182189	0.013621	0.023575
2431	3C	Aerial Wire	0.146067	0.074990	0.030990	0.252048	0.013621	0.018401
2441	4C	Conduit System	0.022718	0.058123	0.024020	0.104860	0.013621	0.005478

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

Cell: D7
Comment: Depreciation

Two types of depreciation are involved in the determination of recurring capital costs - book depreciation and tax depreciation. Book depreciation is the repayment of invested capital and is a direct component of capital costs. On the other hand, tax depreciation is not a component of capital cost, but is a schedule of expense deductions used in determining income tax expense. Both depreciation amounts must be separately calculated because most likely, they will differ in timing and amount.

Book depreciation amounts are determined by: (1) total investment, less net salvage, in assets: and (2) estimated life characteristics. The life characteristics are average economic life and survivor shape that are either anticipated or actually experienced at U S West Communications. Several methods are available to calculate book depreciation, however at U S West Communications, the straight-line equal-life group (ELG) method is applied. For service costs studies, ELG allows the depreciation amounts per unit to be "deaveraged" within each vintage of a category.

Tax depreciation is of interest because of its effect on income taxes. Tax depreciation is calculated separately from book depreciation because amounts and timing will differ from book depreciation. This is because, for example, income tax regulations permit using accelerated tax depreciation on most new investments. With accelerated tax depreciation, tax deduction amounts are claimed in greater amounts during the earlier years of an asset's life than during the later years.

To summarize, book depreciation repays capital and is a component cost; whereas, tax depreciation determines the expense deduction used in determining income tax liability.

Cell: E7
Comment: Post Tax Income (Return) (Cost Of Money)

Although invested capital can be repaid in various ways over its life, the capital repayment required will always be the same. However, the cost for the use of this capital varies directly with the time it takes to pay it back. An analogous situation for individuals would be the interest costs on the remaining balance of a home mortgage, which depend on the length of the mortgage. For example, more total interest is paid on a 30-year mortgage than on a mortgage lasting 25 years.

In cost studies, these interest costs are the return owed the investors for the use of their capital, and the company would need to pay this return until capital is fully repaid. The sum of the capital repayment and the associated return is called the capital recovery cost. Of course, in actual practice, investors are partially paid back directly (dividends), and the remaining capital repayment (retained earnings) is reinvested in new plant on behalf of them.

Because the assumed rate is the interest cost of an investment, it is often called the cost of money. And this cost of money is really a composite of the different returns for debt and equity capital. The proportion of debt and equity in the company's capital structure is therefore expressed as the debt ratio, and is used to calculate the composite cost of money as follows:

COMPOSITE COST OF MONEY = (DEBT RATIO X % COST OF DEBT)+(EQUITY RATIO X % COST OF EQUITY)

WHERE; EQUITY RATIO = (1-DEBT RATIO)

The composite cost of money is then used to calculate a schedule of equal payments made over time to repay both capitalized amounts, and a return amount to the investor. Even though each payment is the same, the apportionment between repayment of invested capital and return to the investor changes. The share representing invested capital repaid increases with each payment, and therefore, return to the investor decreases with each payment. Likewise, the principle portion of a home mortgage monthly payment increases each month, and the interest portion declines, even though, the total monthly payment remains the same.

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Based Factors

The amount of money representing the return to the investors is called Post Tax Income. The title "post tax income" is somewhat of a misnomer however, since only return on equity is truly post tax income; return on debt is applied as a reduction to revenue thereby reducing taxable income used to compute income tax expense.

Cell: F7
Comment: Income Tax Expense
Along with capital repayment and return, income taxes are incurred on the return required for the equity portion of the capital. Income taxes are involved because federal and state tax regulations provide for taxing remaining income after payment of operations costs and other deductible amounts. These income taxes are then a portion of the revenue required to meet the capital costs of the undertaking.

Income tax expense does not reflect the actual taxes U S West pays; but instead, it represents the taxes that are reported as paid on the income statement. The difference between the income tax expense and the taxes owed (paid) is due to the treatment of accelerated depreciation.

Cell: G7
Comment: Total Capital Costs
In summary, total capital costs consist of three components: capital repayment (depreciation), return (post tax income) and income tax expense. The sum of the first two components, depreciation and post tax income, has been defined as capital recovery. The present worth of the capital costs is therefore the sum of the present worth of the capital recovery costs and the present worth of the tax expenses.

Cell: H7
Comment: The Ad Valorem Tax Factor is used to provide an estimate of the Ad Valorem tax costs that are associated with investments. It was developed for use in estimating the total operating expense associated with central office equipment. public coin equipment, and outside plant equipment. The data sources utilized for this are (numerator) Account 7240.1 Property Taxes and (denominator) Account 2001 Total Telephone Plant in Service.

Cell: I7
Comment: There are 23 maintenance factors. Each of these maintenance factors are developed on a state by state basis using expenses and investments relative to the account under study.

Maintenance factors are developed by taking the adjusted levels of 'M' expense dollars and dividing them by adjusted investment associated with a particular account. Power, subscriber line testing and trunk testing factors are added to most accounts to get the final maintenance factor. Maintenance expense is calculated by multiplying the maintenance factor times total investment for an account under study.

Appendix - Factors, Investment Loadings and ICM Inputs
Billing

	A	B	C	D	E	F
1	BASIC SERVICE: U S WEST COST RESULTS FOR MODEL INPUT					
2	FACTORS INCLUDED: NONE					
3	STUDY YEAR: 2000 - USW					
4	MINUTE OF USE - IABS (LIS SWITCHING AND PORTS)					
5						
6	Unit: Minute of Use					MOU
7						
8	TOTAL					
9		INVESTMENT				$0.000111
10		EXPENSE				$0.000277
11						
12						
13	BILLING AND COLLECTION: U S WEST COST RESULTS FOR MODEL INPUT					
14	FACTORS INCLUDED: NONE					
15	STUDY YEAR: 2000 - USW WHOLESALE					
16	ACCOUNT - CRIS (LIS - LINK AND SPNP)					
17						
18	Unit: Per Electronically Billed Line					ACCOUNT
19						
20	TOTAL					
21		INVESTMENT				$0.000112
22		EXPENSE				$0.016467
23						
24						
35						
36	BILLING AND COLLECTION: U S WEST COST RESULTS FOR MODEL INPUT					
37	FACTORS INCLUDED: NONE					
38	STUDY YEAR: 2000 - USW					
39	FACTOR DEVELOPMENT - IABS (LIS DEDICATED, COLOCATION, EICT)					
40						
41	Unit: Factor					0.004304
42						
43	MESSAGE TOLL SERVICE: U S WEST COST RESULTS FOR MODEL INPUT					
44	FACTORS INCLUDED: NONE					
45	STUDY YEAR: 2000 - USW WHOLESALE					
46	MTS - CRIS (DA AND OPR. SVCS.)					
47						
48	Class of Service: MTS per Message					ACCOUNT
49						
50	TOTAL					
51		INVESTMENT				$0.000095
52		EXPENSE				$0.014184
53						
54						
55	Sheet Updated on 2/2/2001					

Appendix - Factors, Investment Loadings and ICM Inputs
Billing

Cell: A6
Comment: Per Minute is based on originating plus terminating end office switching minutes.

Appendix - Factors, Investment Loadings and ICM Inputs
L & B Factors

	A	B	C	D	E
1	Compliance Phase IIa 1/31/03 8:33:20 AM				
2	CENTRAL OFFICE LAND AND BUILDING				
3	These are not calculated in the Model				
4		1999			
5					
6		BLDG TO	BLDG TO	LAND TO	LAND TO
7		SWITCH	CIRCUIT	SWITCH	CIRCUIT
8		FACTOR	FACTOR	FACTOR	FACTOR
9					
10	Arizona	0.0418	0.0408	0.0036	0.0035

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Loadings

2001 Investment Loadings						
Not calculated in model						
	Power	**Sales Tax**	**Telco Engineering**	**Interest During Construction**	**Total Loading Factor**	
	A	B	C	D	E=((1+A)*(1+B)*(1+C))/(1-D)	
Arizona	0.0383	0	0.1105	0.0104	**1.1651**	
These Investment Loadings are defined in the Investment Loading Factors Technical Description (Loadings.pdf)						

Appendix - Factors, Investment Loadings and ICM Inputs
Investment Loadings

Cell: B4
Comment: The purpose the Power and Miscellaneous Equipment factor is to estimate the investment in power plant required to provide back-up power for central office equipment, and to estimate any miscellaneous equipment investment not included in the Engineered, Furnished and Installed (EF&I) investment (i.e., tools, ladders, miscellaneous frames and portable generators).

Cell: C4
Comment: The purpose of the sales tax factor is to provide an estimate of the sales tax costs that are associated with investments. The factor can be used, in conjunction with other factors and data, to develop total installed investment.

Cell: D4
Comment: The purpose of the Telco Engineering Factor is to estimate the U S WEST Communications labor costs, over and above the engineered, furnished and installed (EF&I) costs, which are capitalized as part of central office (CO) equipment installation.

Cell: E4
Comment: The Interest During Construction (IDC) factor is used to estimate the interest that accrues during the time plant is under construction. It is, in effect, the Prime Rate (Rate of Return in state of Colorado) applied to the plant under construction and accounts for the return needed from the time of asset acquisition to the provisioning of service.

Appendix - Factors, Investment Loadings and ICM Inputs
Run Data

	A	B	C	
1	Compliance Phase IIa 1/31/03 8:33:20 AM			
2			**Run_Name**	
3	Run Name		Compliance Phase IIa 1/31/03 8:33:20 AM	
4	Version		2.2	
5			**State**	
6	State		Arizona	
7			**Zone_Type**	
8	Zone Type		MSA	
19	Study ID#		7243	
20		**Local Usage**		
21	**Description**		**Run Data**	
22				
23			**Usage**	
24	Average_Hold_Time			2.943721732
25	Billing_and_Collection_Investment			0.00011100
26	Billing_and_Collection_Direct_Expenses			0.00027700
27	Intercept_Direct_Expenses			0.00001600
28	HP_Measurement_Investments			0.00035400
29	HP_Measurement_Expenses			0.00005000
30	AMA_Investments			0.00361644
31				
32		**Unbundled Loop**		
33	**Description**		**Run Data**	
34			**Loop**	
35	Unbundled Loop Grooming Investment			$66.51
36	Loop Billing and Collection Expense			$0.016467
37				
38		**DS1**		
39	**Description**	**FRC**	**Run Data**	
40	**DS1 Entrance Facility/E-UDIT with Customer Location Electronics Investments**		**DS1_Entrance_Facility**	
41	CIRCUIT-OTHER DIGITAL	357C		$255.28
42	CIRCUIT-SUB PAIR GAIN-DIGITAL	257C		$609.88
43	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CP		$754.64
44	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CS		$447.27
45	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CSP		$609.19
46	POLES	1C		$5.72
47	C WIRE	3C		$0.25
48	CONDUIT SYSTEMS	4C		$299.07
49	UNDERGROUND CABLE METALLIC	5C		$130.85
50	BURIED DROP	35C		$29.43
51	AERIAL DROP	42C		$4.12
52	BURIED CABLE METALLIC	45C		$261.27
53	AERIAL CABLE METALLIC	52C		$9.29
54	INTRABUILDING CABLE METALLIC	62C		$57.54
55	UNDERGROUND CABLE NONMETALLIC	85C		$96.31
56	BURIED CABLE NONMETALLIC	845C		$145.01
57	INTRABUILDING CABLE NONMETALLIC	862C		$2.28
58	**MULTIPLEXING DS1 TO DSO**	257C		$8,907.57
59				
60		**DS3**		
61	**Description**	**FRC**	**Run Data**	
62	**DS3 Entrance Facility/E-UDIT with Customer Location Electronics Investments**		**DS3_Entrance_Facility**	
63	CIRCUIT-OTHER DIGITAL	357C		$1,558.95
64	CIRCUIT-DIGITAL	257C		$129.65
65	CIRCUIT-DIGITAL SONET	257CS		$4,832.64
66	CIRCUIT-DIGITAL-PREMISES	257CP		$60.51
67	CIRCUIT-DIGITAL SONET-PREMISES	257CSP		$9,986.02
68	POLES	1C		$0.00
69	CONDUIT SYSTEMS	4C		$1,420.31
70	UNDERGROUND CABLE METALLIC	5C		$0.00
71	BURIED DROP	35C		$0.00
72	AERIAL DROP	42C		$0.00
73	BURIED CABLE METALLIC	45C		$0.00
74	AERIAL CABLE METALLIC	52C		$0.00
75	INTRABUILDING CABLE METALLIC	62C		$0.00
76	UNDERGROUND CABLE NONMETALLIC	85C		$989.27
77	BURIED CABLE NONMETALLIC	845C		$1,569.27
78	INTRABUILDING CABLE NONMETALLIC	862C		$27.40

Appendix - Factors, Investment Loadings and ICM Inputs
Run Data

	A	B	C	
1	Compliance Phase IIa 1/31/03 8:33:20 AM			
79	MULTIPLEXING DS3 TO DS1	257C		$9,815.50
158				
177		Shared Transport		
178				ST
179	Miles (Default is from SLUS)			6.23
180	End Office to End Office Weighting			54.46%
181	End Office to Local Tandem Weighting			8.62%
182	End Office to Access Tandem Weighting			36.92%
183				
184	All Values are based on Default or Overrides entered by the user			
185				
186	**E-UDIT Without Customer Location Electronics**			
187	**DS1 E-UDIT Without Customer Location Electronics**		DS1EUDIT	
188	CIRCUIT-OTHER DIGITAL	357C		$255.28
189	CIRCUIT-SUB PAIR GAIN-DIGITAL	257C		$609.88
190	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CP		$0.00
191	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CS		$447.27
192	CIRCUIT-SUB PAIR GAIN-DIGITAL	257CSP		$0.00
193	POLES	1C		$5.72
194	C WIRE	3C		$0.25
195	CONDUIT SYSTEMS	4C		$299.07
196	UNDERGROUND CABLE METALLIC	5C		$130.85
197	BURIED DROP	35C		$29.43
198	AERIAL DROP	42C		$4.12
199	BURIED CABLE METALLIC	45C		$261.27
200	AERIAL CABLE METALLIC	52C		$9.29
201	INTRABUILDING CABLE METALLIC	62C		$57.54
202	UNDERGROUND CABLE NONMETALLIC	85C		$96.31
203	BURIED CABLE NONMETALLIC	845C		$145.01
204	INTRABUILDING CABLE NONMETALLIC	862C		$2.28
205				
206	**DS3 E-UDIT Without Customer Location Electronics**		DS3EUDIT	
207	CIRCUIT-OTHER DIGITAL	357C		$1,558.95
208	CIRCUIT-DIGITAL	257C		$142.42
209	CIRCUIT-DIGITAL SONET	257CS		$7,971.35
210	CIRCUIT-DIGITAL-PREMISES	257CP		$135.38
211	CIRCUIT-DIGITAL SONET-PREMISES	257CSP		$0.00
212	POLES	1C		$0.00
213	CONDUIT SYSTEMS	4C		$1,586.63
214	UNDERGROUND CABLE METALLIC	5C		$0.00
215	BURIED DROP	35C		$0.00
216	AERIAL DROP	42C		$0.00
217	BURIED CABLE METALLIC	45C		$0.00
218	AERIAL CABLE METALLIC	52C		$0.00
219	INTRABUILDING CABLE METALLIC	62C		$0.00
220	UNDERGROUND CABLE NONMETALLIC	85C		$1,105.11
221	BURIED CABLE NONMETALLIC	845C		$1,753.02
222	INTRABUILDING CABLE NONMETALLIC	862C		$30.61
223				
224	**OC3 E-UDIT Without Customer Location Electronics**		OC3EUDIT	
225	CIRCUIT-DIGITAL SONET	257CS		$19,246.54
226	CIRCUIT-DIGITAL SONET-PREMISES	257CSP		$455.52
227	CONDUIT SYSTEMS	4C		$4,286.39
228	UNDERGROUND CABLE NONMETALLIC	85C		$2,985.53
229	BURIED CABLE NONMETALLIC	845C		$4,735.92
230	INTRABUILDING CABLE NONMETALLIC	862C		$82.70
231				
232	**OC12 E-UDIT Without Customer Location Electronics**		OC12EUDIT	
233	CIRCUIT-DIGITAL SONET	257CS		$45,048.52
234	CIRCUIT-DIGITAL SONET-PREMISES	257CSP		$455.52
235	CONDUIT SYSTEMS	4C		$4,286.39
236	UNDERGROUND CABLE NONMETALLIC	85C		$2,985.53
237	BURIED CABLE NONMETALLIC	845C		$4,735.92
238	INTRABUILDING CABLE NONMETALLIC	862C		$82.70

HAI Model Release 5.2a - Expense Module
Density Zone Level Calculations

density zone (lines/sq mi)	feeder type	total lines	business lines	residential lines	special access lines	public lines	single line business lines	households	copper feeder cable (un	copper feeder cable buried	copper feeder cable aerial	fiber feeder cable (un	fiber feeder cable buried	fiber feeder cable aerial	feeder conduit	feeder manholes	copper fee placem
0	DLC	73,904	12,110	58,417	2,977	399	1,672	57,538	$ -	$ -	$ -	$ 1,395,928	$ 23,863,282	$ 5,304,527	$ 1,089,952	$ 254,098	$
5	DLC	315,891	48,490	253,883	11,919	1,599	7,267	250,062	$ -	$ -	$ -	$ 860,256	$ 14,736,179	$ 3,268,972	$ 788,590	$ 554,777	$
100	DLC	109,644	18,323	86,213	4,504	604	2,468	84,915	$ -	$ -	$ -	$ 86,756	$ 1,480,014	$ 329,672	$ 116,731	$ 172,658	$
200	DLC	227,875	43,252	172,564	10,632	1,426	4,939	169,967	$ -	$ -	$ -	$ 563,834	$ 1,937,480	$ 535,643	$ 485,463	$ 430,357	$
650	DLC	66,920	13,179	50,067	3,240	435	1,433	49,313	$ -	$ -	$ -	$ 292,000	$ 336,665	$ 138,700	$ 242,172	$ 229,071	$
850	DLC	525,795	108,382	387,198	26,641	3,574	11,083	381,369	$ -	$ -	$ -	$ 2,897,735	$ 1,131,578	$ 917,616	$ 2,147,252	$ 1,803,914	$
2550	DLC	667,533	200,095	411,655	49,185	6,598	11,783	405,459	$ -	$ -	$ -	$ 3,705,324	$ 329,832	$ 938,682	$ 2,704,993	$ 2,607,321	$
5000	DLC	247,329	98,994	120,737	24,334	3,264	3,456	118,919	$ -	$ -	$ -	$ 1,218,511	$ -	$ 285,824	$ 874,130	$ 976,454	$
10000	DLC	42,367	19,123	17,913	4,701	631	513	17,643	$ -	$ -	$ -	$ 232,741	$ -	$ 54,593	$ 166,279	$ 151,997	$
0	non-DLC	7,231	1,495	5,320	367	49	152	5,240	$ 25,056	$ 396,084	$ 95,212	$ -	$ -	$ -	$ 2,228	$ 9,135	$
5	non-DLC	34,336	9,695	21,939	2,383	320	628	21,608	$ 129,957	$ 2,054,368	$ 493,838	$ -	$ -	$ -	$ 15,485	$ 45,996	$
100	non-DLC	14,882	3,546	10,348	872	117	296	10,192	$ 48,611	$ 768,449	$ 184,723	$ -	$ -	$ -	$ 12,040	$ 29,497	$
200	non-DLC	83,004	21,011	56,135	5,165	693	1,607	55,290	$ 1,173,687	$ 3,722,934	$ 1,115,002	$ -	$ -	$ -	$ 95,129	$ 313,050	$ 3
650	non-DLC	22,841	7,330	13,467	1,802	242	385	13,264	$ 584,495	$ 623,072	$ 277,635	$ -	$ -	$ -	$ 39,508	$ 147,813	$
850	non-DLC	208,443	58,702	133,377	14,429	1,936	3,818	131,369	$ 7,467,926	$ 2,718,325	$ 2,364,843	$ -	$ -	$ -	$ 471,221	$ 2,023,463	$ 1,1
2550	non-DLC	267,591	70,979	176,825	17,447	2,341	5,061	174,163	$ 11,820,629	$ 983,476	$ 2,994,559	$ -	$ -	$ -	$ 665,471	$ 3,032,079	$ 2,1
5000	non-DLC	171,661	75,995	74,481	18,680	2,506	2,132	73,360	$ 7,687,068	$ -	$ 1,803,139	$ -	$ -	$ -	$ 380,390	$ 3,206,184	$ 3,5
10000	non-DLC	85,868	57,147	12,789	14,047	1,884	366	12,597	$ 2,934,030	$ -	$ 688,229	$ -	$ -	$ -	$ 117,346	$ 929,937	$ 1,9
Totals/Avgs		3,173,116	867,847	2,063,326	213,325	28,618	59,060	2,032,267	$ 31,871,460	$ 11,266,708	$ 10,017,183	$ 11,253,085	$ 43,815,030	$ 11,774,229	$ 10,414,380	$ 16,917,799	$ 9,2

se Module
ations

l nes	public lines	single line business lines	households	copper feeder cable u/g	copper feeder cable buried	copper feeder cable aerial	fiber feeder cable u/g	fiber feeder cable buried	fiber feeder cable aerial	feeder conduit	feeder manhole	copper feeder u/g placement	fiber feeder u/g placement	copper feeder buried placement	fiber feeder buried placement
977	399	1,672	57,538	$ -	$ -	$ -	$ 1,395,928	$ 23,863,282	$ 5,304,527	$ 1,089,952	$ 254,098	$ -	$ 6,987,980	$ -	$ 19,901,819
919	1,599	7,267	250,062	$ -	$ -	$ -	$ 860,256	$ 14,736,179	$ 3,268,972	$ 788,590	$ 554,777	$ -	$ 5,700,674	$ -	$ 13,643,732
504	604	2,468	84,915	$ -	$ -	$ -	$ 86,756	$ 1,480,014	$ 329,672	$ 116,731	$ 172,658	$ -	$ 1,026,357	$ -	$ 1,488,892
632	1,426	4,939	169,967	$ -	$ -	$ -	$ 563,834	$ 1,937,480	$ 535,643	$ 485,463	$ 430,357	$ -	$ 3,965,032	$ -	$ 1,635,542
240	435	1,433	49,313	$ -	$ -	$ -	$ 292,000	$ 336,665	$ 138,700	$ 242,172	$ 229,071	$ -	$ 1,931,218	$ -	$ 294,200
641	3,574	11,083	381,369	$ -	$ -	$ -	$ 2,897,735	$ 1,131,578	$ 917,616	$ 2,147,252	$ 1,803,914	$ -	$ 22,729,106	$ -	$ 1,617,382
185	6,598	11,783	405,459	$ -	$ -	$ -	$ 3,705,324	$ 329,832	$ 938,682	$ 2,704,993	$ 2,607,321	$ -	$ 35,437,224	$ -	$ 584,541
334	3,264	3,456	118,919	$ -	$ -	$ -	$ 1,218,511	$ -	$ 285,824	$ 874,130	$ 976,454	$ -	$ 22,366,240	$ -	$ 26,675
701	631	513	17,643	$ -	$ -	$ -	$ 232,741	$ -	$ 54,593	$ 166,279	$ 151,997	$ -	$ 6,363,840	$ -	$ 6,237
367	49	152	5,240	$ 25,056	$ 396,084	$ 95,212	$ -	$ -	$ -	$ 2,228	$ 9,135	$ 7,764	$ -	$ 17,533	$ -
383	320	628	21,608	$ 129,957	$ 2,054,368	$ 493,838	$ -	$ -	$ -	$ 15,485	$ 45,996	$ 29,559	$ -	$ 52,464	$ -
872	117	296	10,192	$ 48,611	$ 768,449	$ 184,723	$ -	$ -	$ -	$ 12,040	$ 29,497	$ 30,902	$ -	$ 25,852	$ -
165	693	1,607	55,290	$ 1,173,687	$ 3,722,934	$ 1,115,002	$ -	$ -	$ -	$ 95,129	$ 313,050	$ 304,130	$ -	$ 139,616	$ -
802	242	385	13,264	$ 584,495	$ 623,072	$ 277,635	$ -	$ -	$ -	$ 39,508	$ 147,813	$ 61,364	$ -	$ 11,735	$ -
429	1,936	3,818	131,369	$ 7,467,926	$ 2,718,325	$ 2,364,843	$ -	$ -	$ -	$ 471,221	$ 2,023,463	$ 1,175,792	$ -	$ 83,170	$ -
447	2,341	5,061	174,163	$ 11,820,629	$ 983,476	$ 2,994,559	$ -	$ -	$ -	$ 665,471	$ 3,032,079	$ 2,131,495	$ -	$ 30,148	$ -
680	2,506	2,132	73,360	$ 7,687,068	$ -	$ 1,803,139	$ -	$ -	$ -	$ 380,390	$ 3,206,184	$ 3,596,296	$ -	$ 1,651	$ -
047	1,884	366	12,597	$ 2,934,030	$ -	$ 688,229	$ -	$ -	$ -	$ 117,346	$ 929,937	$ 1,917,517	$ -	$ 111	$ -
325	28,618	59,060	2,032,267	$ 31,871,460	$ 11,266,708	$ 10,017,183	$ 11,253,085	$ 43,815,030	$ 11,774,229	$ 10,414,380	$ 16,917,799	$ 9,254,820	$ 106,507,672	$ 362,281	$ 39,199,021

HA

density zone (lines/sq mi)	feeder type	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc mainframe fill	DLC inv while	SAI inv	item
0	DLC	$ 7,172,046	$ 1,085	$ 47,168,118	$ 10,638,838	$ 2,054	$ 22,772	$ 74,028,310	$ 14,468,564	0.00%	45.12%	0.00%	$ 25,563,764	$ 1,412,588	$
5	DLC	$ 4,692,479	$ 977,517	$ 81,562,356	$ 18,625,362	$ 489,785	$ 4,981,760	$ 69,251,618	$ 14,116,006	0.00%	46.08%	0.00%	$ 64,729,864	$ 4,593,634	$ 2
100	DLC	$ 765,724	$ 347,525	$ 14,281,497	$ 3,302,654	$ 126,682	$ 1,452,149	$ 9,910,743	$ 2,431,127	0.00%	47.23%	0.00%	$ 19,785,648	$ 1,493,296	$
200	DLC	$ 1,021,030	$ 1,043,935	$ 20,930,708	$ 4,965,712	$ 366,694	$ 3,885,479	$ 12,799,117	$ 3,241,369	0.00%	47.97%	0.00%	$ 40,637,481	$ 3,035,610	$
650	DLC	$ 278,163	$ 506,502	$ 4,806,709	$ 1,202,943	$ 160,061	$ 1,639,794	$ 2,733,623	$ 773,833	0.00%	46.82%	0.00%	$ 11,559,026	$ 892,829	$
850	DLC	$ 1,898,283	$ 6,237,732	$ 19,795,775	$ 5,928,031	$ 2,057,506	$ 29,266,963	$ 19,334,681	$ 4,086,863	0.00%	47.84%	0.00%	$ 91,252,151	$ 6,813,311	$ 2
2550	DLC	$ 2,219,560	$ 11,330,415	$ 12,086,209	$ 5,383,749	$ 3,276,336	$ 59,496,314	$ 12,089,283	$ 3,804,368	0.00%	47.73%	0.00%	$ 114,079,047	$ 8,148,435	$ 2
5000	DLC	$ 668,565	$ 5,942,638	$ 2,167,005	$ 1,882,712	$ 1,427,886	$ 58,059,197	$ 5,281,872	$ 750,650	0.00%	48.60%	0.00%	$ 42,189,668	$ 2,787,635	$ 1
10000	DLC	$ 130,965	$ 1,018,166	$ -	$ 238,829	$ 230,942	$ 14,147,235	$ -	$ 60,406	0.00%	51.07%	0.00%	$ 7,393,542	$ 466,928	$
0	non-DLC	$ 16,756	$ -	$ 1,800,861	$ 406,177	$ -	$ -	$ 959,776	$ 209,751	53.83%	44.23%	40.45%	$ -	$ 96,443	$
5	non-DLC	$ 68,713	$ 46,131	$ 3,838,138	$ 876,498	$ 15,501	$ 167,861	$ 2,310,603	$ 466,866	63.58%	46.47%	36.68%	$ -	$ 433,768	$
100	non-DLC	$ 34,113	$ 51,809	$ 2,128,300	$ 492,182	$ 17,609	$ 174,884	$ 1,188,586	$ 310,195	66.22%	48.16%	47.77%	$ -	$ 205,704	$
200	non-DLC	$ 169,609	$ 324,333	$ 6,493,146	$ 1,540,582	$ 108,365	$ 1,346,101	$ 4,396,739	$ 1,038,515	68.96%	47.69%	46.42%	$ -	$ 1,032,552	$
650	non-DLC	$ 34,756	$ 145,547	$ 1,381,244	$ 345,675	$ 49,945	$ 522,029	$ 870,250	$ 242,586	69.77%	50.68%	37.25%	$ -	$ 262,691	$
850	non-DLC	$ 291,784	$ 2,480,173	$ 7,867,108	$ 2,356,164	$ 750,991	$ 10,587,602	$ 6,977,917	$ 1,486,496	71.85%	47.83%	30.93%	$ -	$ 2,596,777	$
2550	non-DLC	$ 371,855	$ 4,751,702	$ 5,065,315	$ 2,257,059	$ 1,404,192	$ 25,057,507	$ 5,075,199	$ 1,606,212	73.40%	48.80%	23.08%	$ -	$ 3,353,477	$ 1
5000	non-DLC	$ 223,047	$ 3,672,042	$ 1,336,623	$ 1,162,813	$ 975,133	$ 40,030,681	$ 3,634,635	$ 524,313	75.36%	50.05%	13.85%	$ -	$ 1,950,557	$
10000	non-DLC	$ 79,368	$ 1,086,291	$ -	$ 269,734	$ 247,977	$ 15,056,818	$ -	$ 70,046	77.28%	51.59%	14.13%	$ -	$ 786,363	$
Totals/Avgs		$ 20,136,817	$ 39,963,543	$ 232,709,110	$ 61,875,712	$ 11,707,659	$ 265,895,146	$ 230,842,953	$ 49,688,167				$ 417,190,192	$ 40,362,598	$ 14

cable	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc mainframe fill	DLC inv wsite	SAI inv	terminal inv	drop inv	NID inv	feeder distance
8,118	$ 10,638,838	$ 2,054	$ 22,772	$ 74,028,310	$ 14,468,564	0.00%	45.12%	0.00%	$ 25,563,764	$ 1,412,588	$ 5,986,945	$ 4,172,170	$ 1,800,489	16,744,888
2,356	$ 18,625,362	$ 489,785	$ 4,981,760	$ 69,251,618	$ 14,116,006	0.00%	46.08%	0.00%	$ 64,729,864	$ 4,593,634	$ 25,590,248	$ 17,722,193	$ 7,749,040	10,265,157
1,497	$ 3,302,654	$ 126,682	$ 1,452,149	$ 9,910,743	$ 2,431,127	0.00%	47.23%	0.00%	$ 19,785,648	$ 1,493,296	$ 4,441,206	$ 4,050,324	$ 2,665,434	1,031,188
0,708	$ 4,965,712	$ 366,694	$ 3,885,479	$ 12,799,117	$ 3,241,369	0.00%	47.97%	0.00%	$ 40,637,481	$ 3,035,610	$ 9,230,354	$ 7,761,842	$ 5,455,719	1,739,629
6,709	$ 1,202,943	$ 160,061	$ 1,639,794	$ 2,733,623	$ 773,833	0.00%	46.82%	0.00%	$ 11,559,026	$ 892,829	$ 2,710,589	$ 1,046,910	$ 1,594,438	455,666
5,775	$ 5,928,031	$ 2,057,506	$ 29,266,963	$ 19,334,681	$ 4,086,863	0.00%	47.84%	0.00%	$ 91,252,151	$ 6,813,311	$ 21,297,451	$ 8,423,763	$ 12,449,234	2,768,100
6,209	$ 5,383,749	$ 3,276,336	$ 59,496,314	$ 12,089,283	$ 3,804,368	0.00%	47.73%	0.00%	$ 114,079,047	$ 8,148,435	$ 27,038,484	$ 9,754,999	$ 14,791,354	2,783,814
7,005	$ 1,882,712	$ 1,427,886	$ 58,059,197	$ 5,281,872	$ 750,650	0.00%	48.60%	0.00%	$ 42,189,668	$ 2,787,635	$ 10,018,144	$ 3,249,516	$ 5,077,144	839,545
-	$ 238,829	$ 230,942	$ 14,147,235	$ -	$ 60,406	0.00%	51.07%	0.00%	$ 7,393,542	$ 466,928	$ 1,716,069	$ 1,046,532	$ 834,571	149,498
0,861	$ 406,177	$ -	$ -	$ 959,776	$ 209,751	53.83%	44.23%	40.45%	$ -	$ 96,443	$ 585,813	$ 365,478	$ 171,151	32,678
8,138	$ 876,498	$ 15,501	$ 167,861	$ 2,310,603	$ 466,866	63.58%	46.47%	36.68%	$ -	$ 433,768	$ 2,781,565	$ 1,501,449	$ 770,519	157,495
8,300	$ 492,182	$ 17,609	$ 174,884	$ 1,188,586	$ 310,195	66.22%	48.16%	47.77%	$ -	$ 205,704	$ 602,805	$ 518,751	$ 344,610	58,950
3,146	$ 1,540,582	$ 108,365	$ 1,346,101	$ 4,396,739	$ 1,038,515	68.96%	47.69%	46.42%	$ -	$ 1,032,552	$ 3,362,060	$ 2,517,151	$ 1,901,985	332,108
1,244	$ 345,675	$ 49,945	$ 522,029	$ 870,250	$ 242,586	69.77%	50.68%	37.25%	$ -	$ 262,691	$ 925,160	$ 325,562	$ 498,259	70,773
7,108	$ 2,356,164	$ 750,991	$ 10,587,602	$ 6,977,917	$ 1,486,496	71.85%	47.83%	30.93%	$ -	$ 2,596,777	$ 8,443,003	$ 2,853,546	$ 4,680,052	554,879
5,315	$ 2,257,059	$ 1,404,192	$ 25,057,507	$ 5,075,199	$ 1,606,212	73.40%	48.80%	23.08%	$ -	$ 3,353,477	$ 10,838,787	$ 4,156,982	$ 6,079,116	649,301
6,623	$ 1,162,813	$ 975,133	$ 40,030,681	$ 3,634,635	$ 524,313	75.36%	50.05%	13.85%	$ -	$ 1,950,557	$ 6,953,147	$ 2,332,228	$ 3,405,645	306,503
-	$ 269,734	$ 247,977	$ 15,056,818	$ -	$ 70,046	77.28%	51.59%	14.13%	$ -	$ 786,363	$ 2,951,825	$ 1,114,377	$ 1,270,723	88,926
9,110	$ 61,875,712	$ 11,707,659	$ 265,895,146	$ 230,842,953	$ 49,688,167				$ 417,190,192	$ 40,362,598	$ 145,473,653	$ 72,913,774	$ 71,539,484	39,029,096

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density zone (lines/sq mi)	feeder type	total distribution distance	DLC lines	end office switching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common tr
0	DLC	40,220,245	73,904	$ 16,204,044	$ -	$ 2,209,876	$ 400,625	$ 119,869	$ 43,138	$ 61,069	$ 35,946	$ 1,464,590	$ 161,323	$ 1,014,526	$
5	DLC	41,243,029	315,891	$ 44,191,608	$ -	$ 6,256,925	$ 1,257,058	$ 428,811	$ 184,876	$ 229,246	$ 154,053	$ 834,444	$ 691,384	$ 520,673	$
100	DLC	5,288,204	109,644	$ 13,323,403	$ -	$ 2,169,664	$ 414,656	$ 141,404	$ 63,946	$ 76,698	$ 53,285	$ 74,547	$ 239,141	$ 41,741	$
200	DLC	7,688,600	227,875	$ 27,379,871	$ -	$ 4,931,703	$ 970,580	$ 291,851	$ 132,127	$ 158,509	$ 110,099	$ 265,277	$ 494,119	$ 171,749	$
650	DLC	1,667,304	66,920	$ 7,635,692	$ -	$ 1,556,647	$ 311,226	$ 84,194	$ 38,730	$ 46,069	$ 32,273	$ 21,415	$ 144,841	$ 11,941	$
850	DLC	8,579,813	525,795	$ 59,704,090	$ -	$ 12,808,385	$ 2,330,002	$ 660,385	$ 303,585	$ 361,980	$ 252,971	$ 170,688	$ 1,135,325	$ 89,680	$
2550	DLC	6,833,954	667,533	$ 72,561,717	$ -	$ 17,091,696	$ 3,027,461	$ 818,285	$ 376,079	$ 449,235	$ 313,379	$ 124,816	$ 1,406,433	$ 65,670	$
5000	DLC	1,981,871	247,329	$ 25,994,525	$ -	$ 6,639,154	$ 1,137,857	$ 295,636	$ 135,626	$ 162,265	$ 113,014	$ 27,059	$ 507,203	$ 14,650	$
10000	DLC	236,668	42,367	$ 4,403,569	$ -	$ 1,243,181	$ 186,973	$ 49,820	$ 22,909	$ 27,390	$ 19,089	$ 2,795	$ 85,672	$ 1,536	$
0	non-DLC	673,619	-	$ 1,426,418	$ -	$ 197,311	$ 36,033	$ 11,199	$ 4,175	$ 5,740	$ 3,479	$ 121,515	$ 15,612	$ 78,606	$
5	non-DLC	1,291,724	-	$ 4,638,715	$ -	$ 586,400	$ 120,002	$ 45,126	$ 19,434	$ 24,068	$ 16,194	$ 93,005	$ 72,677	$ 58,372	$
100	non-DLC	733,720	-	$ 2,236,458	$ -	$ 314,156	$ 61,909	$ 20,521	$ 8,521	$ 10,888	$ 7,101	$ 49,564	$ 31,867	$ 30,680	$
200	non-DLC	2,251,392	-	$ 10,598,468	$ -	$ 1,604,840	$ 339,103	$ 107,377	$ 47,342	$ 57,910	$ 39,449	$ 122,944	$ 177,045	$ 76,956	$
650	non-DLC	520,257	-	$ 2,691,288	$ -	$ 406,148	$ 91,839	$ 28,484	$ 12,796	$ 15,416	$ 10,662	$ 13,551	$ 47,853	$ 7,462	$
850	non-DLC	3,124,404	-	$ 23,527,790	$ -	$ 4,373,671	$ 859,779	$ 258,022	$ 117,999	$ 140,918	$ 98,326	$ 102,031	$ 441,285	$ 57,059	$
2550	non-DLC	2,922,383	-	$ 29,608,023	$ -	$ 6,655,809	$ 1,232,882	$ 331,656	$ 152,138	$ 181,807	$ 126,773	$ 68,781	$ 568,953	$ 37,266	$
5000	non-DLC	1,349,273	-	$ 17,902,049	$ -	$ 4,538,558	$ 778,547	$ 203,526	$ 93,043	$ 111,574	$ 77,531	$ 38,457	$ 347,956	$ 22,241	$
10000	non-DLC	253,868	-	$ 8,276,683	$ -	$ 2,540,865	$ 333,467	$ 96,143	$ 43,681	$ 52,704	$ 36,399	$ 10,402	$ 163,356	$ 6,112	$
Totals/Avgs		126,860,327	2,277,258	$ 372,304,412	$ -	$ 76,124,990	$ 13,890,000	$ 3,992,308	$ 1,800,145	$ 2,173,485	$ 1,500,022	$ 3,605,881	$ 6,732,045	$ 2,306,919	$

tching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit
4,044	$ -	$ 2,209,876	$ 400,625	$ 119,869	$ 43,138	$ 61,069	$ 35,946	$ 1,464,590	$ 161,323	$ 1,014,526	$ 844,128	$ 193,184	$ 104,370	$ 136,326
1,608	$ -	$ 6,256,925	$ 1,257,058	$ 428,811	$ 184,876	$ 229,246	$ 154,053	$ 834,444	$ 691,384	$ 520,673	$ 494,916	$ 106,654	$ 51,427	$ 75,262
3,403	$ -	$ 2,169,664	$ 414,656	$ 141,404	$ 63,946	$ 76,698	$ 53,285	$ 74,547	$ 239,141	$ 41,741	$ 53,028	$ 9,618	$ 4,434	$ 6,787
9,871	$ -	$ 4,931,703	$ 970,580	$ 291,851	$ 132,127	$ 158,509	$ 110,099	$ 265,277	$ 494,119	$ 171,749	$ 176,188	$ 34,544	$ 18,805	$ 24,377
5,692	$ -	$ 1,556,647	$ 311,226	$ 84,194	$ 38,730	$ 46,069	$ 32,273	$ 21,415	$ 144,841	$ 11,941	$ 17,340	$ 2,863	$ 1,319	$ 2,021
4,090	$ -	$ 12,808,385	$ 2,330,002	$ 660,385	$ 303,585	$ 361,980	$ 252,971	$ 170,688	$ 1,135,325	$ 89,680	$ 138,060	$ 21,941	$ 10,139	$ 15,486
1,717	$ -	$ 17,091,696	$ 3,027,461	$ 818,285	$ 376,079	$ 449,235	$ 313,379	$ 124,816	$ 1,406,433	$ 65,670	$ 130,522	$ 16,437	$ 7,572	$ 11,603
4,525	$ -	$ 6,639,154	$ 1,137,857	$ 295,636	$ 135,626	$ 162,265	$ 113,014	$ 27,059	$ 507,203	$ 14,650	$ 31,314	$ 3,667	$ 1,686	$ 2,589
3,569	$ -	$ 1,243,181	$ 186,973	$ 49,820	$ 22,909	$ 27,390	$ 19,089	$ 2,795	$ 85,672	$ 1,536	$ 3,636	$ 384	$ 176	$ 271
6,418	$ -	$ 197,311	$ 36,033	$ 11,199	$ 4,175	$ 5,740	$ 3,479	$ 121,515	$ 15,612	$ 78,606	$ 67,663	$ 15,461	$ 7,750	$ 10,910
8,715	$ -	$ 586,400	$ 120,002	$ 45,126	$ 19,434	$ 24,068	$ 16,194	$ 93,005	$ 72,677	$ 58,372	$ 56,010	$ 12,101	$ 5,720	$ 8,540
6,458	$ -	$ 314,156	$ 61,909	$ 20,521	$ 8,521	$ 10,888	$ 7,101	$ 49,564	$ 31,867	$ 30,680	$ 29,635	$ 6,433	$ 3,011	$ 4,539
8,468	$ -	$ 1,604,840	$ 339,103	$ 107,377	$ 47,342	$ 57,910	$ 39,449	$ 122,944	$ 177,045	$ 76,956	$ 79,120	$ 16,141	$ 8,501	$ 11,391
1,288	$ -	$ 406,148	$ 91,839	$ 28,484	$ 12,796	$ 15,416	$ 10,662	$ 13,551	$ 47,853	$ 7,462	$ 9,496	$ 1,810	$ 834	$ 1,277
7,790	$ -	$ 4,373,671	$ 859,779	$ 258,022	$ 117,999	$ 140,918	$ 98,326	$ 102,031	$ 441,285	$ 57,059	$ 79,200	$ 13,640	$ 6,319	$ 9,626
8,023	$ -	$ 6,655,809	$ 1,232,882	$ 331,656	$ 152,138	$ 181,807	$ 126,773	$ 68,781	$ 568,953	$ 37,266	$ 60,435	$ 9,148	$ 4,212	$ 6,455
2,049	$ -	$ 4,538,558	$ 778,547	$ 203,526	$ 93,043	$ 111,574	$ 77,531	$ 38,457	$ 347,956	$ 22,241	$ 46,047	$ 5,355	$ 2,523	$ 3,778
6,683	$ -	$ 2,540,865	$ 333,467	$ 96,143	$ 43,681	$ 52,704	$ 36,399	$ 10,402	$ 163,356	$ 6,112	$ 15,303	$ 1,529	$ 703	$ 1,081
4,412	$ -	$ 76,124,990	$ 13,890,000	$ 3,992,308	$ 1,800,145	$ 2,173,485	$ 1,500,022	$ 3,605,881	$ 6,732,045	$ 2,306,919	$ 2,332,041	$ 470,911	$ 239,499	$ 332,319

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density zone (lines/sq mi)	feeder type	common transport, manholes	common transmission terminal inv	direct transport, u/g	direct transport, buried	direct transport, aerial	direct transport, poles	direct transport, conduit	direct transport, manholes	direct transmission terminal inv	dedicated transport, u/g	dedicated transport, buried	dedicated transport, aerial	dedicated transport, poles	dedicate co
0	DLC	$ 24,252	$ 529,969	$ 2,859,224	$ 2,410,754	$ 549,680	$ 292,384	$ 387,895	$ 67,843	$ 1,641,323	$ 5,233,978	$ 4,429,071	$ 1,003,911	$ 539,662	$
5	DLC	$ 11,621	$ 906,241	$ 1,873,990	$ 1,835,757	$ 388,911	$ 186,636	$ 274,441	$ 41,585	$ 3,671,262	$ 3,105,175	$ 3,095,217	$ 650,595	$ 310,753	$
100	DLC	$ 864	$ 215,764	$ 180,096	$ 233,003	$ 41,679	$ 19,220	$ 29,411	$ 3,742	$ 979,159	$ 344,741	$ 454,610	$ 80,138	$ 36,958	$
200	DLC	$ 3,828	$ 456,489	$ 651,363	$ 698,982	$ 133,336	$ 71,774	$ 94,092	$ 14,399	$ 2,038,294	$ 1,267,575	$ 1,378,201	$ 258,105	$ 141,605	$
650	DLC	$ 257	$ 116,592	$ 54,089	$ 79,261	$ 12,994	$ 5,985	$ 9,170	$ 1,165	$ 543,594	$ 127,317	$ 178,519	$ 30,054	$ 13,842	$
850	DLC	$ 2,022	$ 895,989	$ 371,108	$ 596,633	$ 91,052	$ 42,094	$ 64,252	$ 8,330	$ 4,140,989	$ 720,874	$ 1,205,763	$ 176,917	$ 81,831	$
2550	DLC	$ 1,477	$ 996,022	$ 288,149	$ 592,350	$ 72,127	$ 33,221	$ 50,898	$ 6,468	$ 4,666,189	$ 730,984	$ 1,572,665	$ 182,984	$ 84,281	$
5000	DLC	$ 332	$ 350,329	$ 68,862	$ 147,374	$ 17,237	$ 7,938	$ 12,165	$ 1,543	$ 1,650,404	$ 184,637	$ 402,795	$ 46,220	$ 21,287	$
10000	DLC	$ 35	$ 59,077	$ 7,247	$ 17,153	$ 1,814	$ 835	$ 1,280	$ 162	$ 278,783	$ 18,918	$ 44,745	$ 4,736	$ 2,181	$
0	non-DLC	$ 1,790	$ 42,387	$ 261,917	$ 225,420	$ 51,306	$ 25,739	$ 36,205	$ 5,960	$ 143,613	$ 436,739	$ 379,131	$ 85,996	$ 42,918	$
5	non-DLC	$ 1,164	$ 90,003	$ 219,934	$ 216,168	$ 46,194	$ 21,737	$ 32,597	$ 4,381	$ 374,819	$ 406,828	$ 405,693	$ 86,435	$ 40,526	$
100	non-DLC	$ 647	$ 45,036	$ 118,778	$ 116,234	$ 25,034	$ 11,739	$ 17,666	$ 2,484	$ 180,488	$ 244,266	$ 241,861	$ 52,059	$ 24,275	$
200	non-DLC	$ 1,574	$ 194,318	$ 308,423	$ 323,135	$ 65,320	$ 34,206	$ 46,094	$ 6,361	$ 844,464	$ 608,323	$ 637,136	$ 128,217	$ 68,043	$
650	non-DLC	$ 162	$ 42,847	$ 33,071	$ 42,302	$ 8,025	$ 3,696	$ 5,663	$ 719	$ 194,771	$ 61,292	$ 79,234	$ 14,937	$ 6,880	$
850	non-DLC	$ 1,224	$ 354,413	$ 256,164	$ 358,760	$ 61,311	$ 28,400	$ 43,264	$ 5,500	$ 1,645,734	$ 556,233	$ 778,773	$ 132,797	$ 61,524	$
2550	non-DLC	$ 823	$ 412,932	$ 166,476	$ 274,560	$ 40,911	$ 18,841	$ 28,870	$ 3,668	$ 1,931,549	$ 386,282	$ 658,390	$ 95,038	$ 43,773	$
5000	non-DLC	$ 483	$ 236,222	$ 103,339	$ 215,707	$ 24,932	$ 11,736	$ 17,593	$ 2,234	$ 1,111,895	$ 307,035	$ 666,489	$ 74,774	$ 35,004	$
10000	non-DLC	$ 139	$ 104,112	$ 28,849	$ 72,263	$ 7,219	$ 3,327	$ 5,097	$ 645	$ 492,177	$ 105,043	$ 263,087	$ 26,295	$ 12,113	$
Totals/Avgs		$ 52,694	$ 6,048,743	$ 7,851,078	$ 8,455,815	$ 1,639,083	$ 819,507	$ 1,156,655	$ 177,189	$ 26,529,508	$ 14,846,240	$ 16,871,378	$ 3,130,208	$ 1,567,457	$

ort, u/g	direct transport, buried	direct transport, aerial	direct transport, poles	direct transport, conduit	direct transport, manholes	direct transmission terminal inv	dedicated transport, u/g	dedicated transport, buried	dedicated transport, aerial	dedicated transport, poles	dedicated transport, conduit	dedicated transport, manholes	dedicated transmission terminal inv	prop local direct trunks
9,224	$ 2,410,754	$ 549,680	$ 292,384	$ 387,895	$ 67,843	$ 1,641,323	$ 5,233,978	$ 4,429,071	$ 1,003,911	$ 539,662	$ 708,435	$ 124,075	$ 2,873,688	3,014
3,990	$ 1,835,757	$ 388,911	$ 186,636	$ 274,441	$ 41,585	$ 3,671,262	$ 3,105,175	$ 3,095,217	$ 650,595	$ 310,753	$ 459,107	$ 68,747	$ 6,581,938	12,692
0,096	$ 233,003	$ 41,679	$ 19,220	$ 29,411	$ 3,742	$ 979,159	$ 344,741	$ 454,610	$ 80,138	$ 36,958	$ 56,551	$ 7,192	$ 1,959,239	4,410
1,363	$ 698,982	$ 133,336	$ 71,774	$ 94,092	$ 14,399	$ 2,038,294	$ 1,267,575	$ 1,378,201	$ 258,105	$ 141,605	$ 182,136	$ 28,023	$ 4,041,431	9,168
4,089	$ 79,261	$ 12,994	$ 5,985	$ 9,170	$ 1,165	$ 543,594	$ 127,317	$ 178,519	$ 30,054	$ 13,842	$ 21,210	$ 2,696	$ 1,116,391	2,693
1,108	$ 596,633	$ 91,052	$ 42,094	$ 64,252	$ 8,330	$ 4,140,989	$ 720,874	$ 1,205,763	$ 176,917	$ 81,831	$ 124,845	$ 16,150	$ 8,902,080	21,201
8,149	$ 592,350	$ 72,127	$ 33,221	$ 50,898	$ 6,468	$ 4,666,189	$ 730,984	$ 1,572,665	$ 182,984	$ 84,281	$ 129,125	$ 16,418	$ 12,058,733	27,140
8,862	$ 147,374	$ 17,237	$ 7,938	$ 12,165	$ 1,543	$ 1,650,404	$ 184,637	$ 402,795	$ 46,220	$ 21,287	$ 32,614	$ 4,149	$ 4,637,684	10,098
7,247	$ 17,153	$ 1,814	$ 835	$ 1,280	$ 162	$ 278,783	$ 18,918	$ 44,745	$ 4,736	$ 2,181	$ 3,342	$ 425	$ 779,315	1,728
1,917	$ 225,420	$ 51,306	$ 25,739	$ 36,205	$ 5,960	$ 143,613	$ 436,739	$ 379,131	$ 85,996	$ 42,918	$ 60,685	$ 9,921	$ 250,745	292
9,934	$ 216,168	$ 46,194	$ 21,737	$ 32,597	$ 4,381	$ 374,819	$ 406,828	$ 405,693	$ 86,435	$ 40,526	$ 60,994	$ 8,062	$ 748,666	1,384
8,778	$ 116,234	$ 25,034	$ 11,739	$ 17,666	$ 2,484	$ 180,488	$ 244,266	$ 241,861	$ 52,059	$ 24,275	$ 36,737	$ 5,098	$ 369,817	601
8,423	$ 323,135	$ 65,320	$ 34,206	$ 46,094	$ 6,361	$ 844,464	$ 608,323	$ 637,136	$ 128,217	$ 68,043	$ 90,479	$ 12,780	$ 1,640,587	3,342
3,071	$ 42,302	$ 8,025	$ 3,696	$ 5,663	$ 719	$ 194,771	$ 61,292	$ 79,234	$ 14,937	$ 6,880	$ 10,541	$ 1,340	$ 425,358	922
6,164	$ 358,760	$ 61,311	$ 28,400	$ 43,264	$ 5,500	$ 1,645,734	$ 556,233	$ 778,773	$ 132,797	$ 61,524	$ 93,712	$ 11,912	$ 3,693,354	8,418
6,476	$ 274,560	$ 40,911	$ 18,841	$ 28,870	$ 3,668	$ 1,931,549	$ 386,282	$ 658,390	$ 95,038	$ 43,773	$ 67,066	$ 8,526	$ 4,838,152	10,864
3,339	$ 215,707	$ 24,932	$ 11,736	$ 17,593	$ 2,234	$ 1,111,895	$ 307,035	$ 666,489	$ 74,774	$ 35,004	$ 52,763	$ 6,710	$ 3,340,639	7,034
8,849	$ 72,263	$ 7,219	$ 3,327	$ 5,097	$ 645	$ 492,177	$ 105,043	$ 263,087	$ 26,295	$ 12,113	$ 18,553	$ 2,362	$ 1,815,832	3,563
1,078	$ 8,455,815	$ 1,639,083	$ 819,507	$ 1,156,655	$ 177,189	$ 26,529,508	$ 14,846,240	$ 16,871,378	$ 3,130,208	$ 1,567,457	$ 2,208,893	$ 334,584	$ 60,073,649	128,566

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density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Toti
0	DLC	218	109	84	6,600	653	387	18,611	$ 14,377	$ 182,998	$ 364,175	$ 378,986	1,354,596,540	376,776,134	
5	DLC	646	270	183	25,997	2,447	1,315	79,762	$ 61,615	$ 732,577	$ 118,444	$ 1,448,945	5,887,097,576	1,508,633,314	
100	DLC	197	72	47	9,666	827	429	27,589	$ 21,312	$ 249,328	$ 5,097	$ 573,602	1,999,124,229	570,064,333	
200	DLC	406	147	94	20,190	1,723	893	57,005	$ 44,035	$ 515,127	$ 31,031	$ 1,193,081	4,001,452,387	1,345,687,239	
650	DLC	114	39	24	6,026	503	258	16,710	$ 12,908	$ 150,265	$ 1,038	$ 360,257	1,160,955,952	410,032,565	
850	DLC	888	291	177	49,889	3,968	2,037	130,978	$ 101,178	$ 1,177,170	$ 14,526	$ 3,098,552	8,978,415,274	3,372,028,538	
2550	DLC	1,118	347	206	76,723	5,070	2,595	162,255	$ 125,339	$ 1,456,967	$ 8,354	$ 5,272,339	9,545,543,203	6,225,429,571	
5000	DLC	414	127	75	30,944	1,885	964	58,514	$ 45,201	$ 525,319	$ 896	$ 2,175,507	2,799,667,229	3,079,946,337	
10000	DLC	71	21	12	5,191	322	165	9,884	$ 7,635	$ 88,642	$ 86	$ 355,285	415,358,999	594,965,000	
0	non-DLC	20	10	7	639	62	36	1,801	$ 1,391	$ 17,430	$ 20,782	$ 36,367	123,361,026	46,503,048	
5	non-DLC	71	29	21	3,138	265	143	8,384	$ 6,477	$ 76,968	$ 11,239	$ 181,929	508,714,529	301,628,333	
100	non-DLC	34	15	11	1,407	117	65	3,676	$ 2,840	$ 34,151	$ 5,470	$ 85,384	239,949,320	110,318,905	
200	non-DLC	161	64	43	7,470	633	337	20,425	$ 15,778	$ 186,166	$ 12,115	$ 440,999	1,301,673,511	653,698,992	
650	non-DLC	42	16	10	2,242	173	90	5,521	$ 4,265	$ 49,927	$ 815	$ 136,180	312,268,612	228,064,455	
850	non-DLC	359	124	77	20,504	1,573	810	50,909	$ 39,327	$ 458,098	$ 5,430	$ 1,276,481	3,092,764,632	1,826,349,816	
2550	non-DLC	452	145	88	29,776	2,030	1,041	65,638	$ 50,704	$ 589,867	$ 3,802	$ 2,027,927	4,100,247,661	2,208,319,677	
5000	non-DLC	290	89	53	23,006	1,313	672	40,142	$ 31,009	$ 360,443	$ 1,530	$ 1,656,152	1,727,073,425	2,364,373,697	
10000	non-DLC	146	42	24	14,105	665	340	18,846	$ 14,558	$ 169,146	$ 323	$ 1,051,705	296,562,173	1,777,978,263	
Totals/Avgs		5,647	1,957	1,236	333,511	24,230	12,579	776,649	$ 599,950	$ 7,020,590	$ 605,154	$ 21,749,677	47,844,826,279	27,000,798,216	2

ATA oks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center [illegible]	STP [illegible]	signaling [illegible]	[illegible]	[illegible]	[illegible]	Total investment
84	6,600	653	387	18,611	$ 14,377	$ 182,998	$ 364,175	$ 378,986	1,354,596,540	376,776,134	298,863,633
183	25,997	2,447	1,315	79,762	$ 61,615	$ 732,577	$ 118,444	$ 1,448,945	5,887,097,576	1,508,633,314	436,015,698
47	9,666	827	429	27,589	$ 21,312	$ 249,328	$ 5,097	$ 573,602	1,999,124,229	570,064,333	91,946,732
94	20,190	1,723	893	57,005	$ 44,035	$ 515,127	$ 31,031	$ 1,193,081	4,001,452,387	1,345,687,239	172,388,111
24	6,026	503	258	16,710	$ 12,908	$ 150,265	$ 1,038	$ 360,257	1,160,955,952	410,032,565	46,130,333
177	49,889	3,968	2,037	130,978	$ 101,178	$ 1,177,170	$ 14,526	$ 3,098,552	8,978,415,274	3,372,028,538	362,052,376
206	76,723	5,070	2,595	162,255	$ 125,339	$ 1,456,967	$ 8,354	$ 5,272,339	9,545,543,203	6,225,429,571	454,714,721
75	30,944	1,885	964	58,514	$ 45,201	$ 525,319	$ 896	$ 2,175,507	2,799,667,229	3,079,946,337	210,707,720
12	5,191	322	165	9,884	$ 7,635	$ 88,642	$ 86	$ 355,285	415,358,999	594,965,000	41,988,851
7	639	62	36	1,801	$ 1,391	$ 17,430	$ 20,782	$ 36,367	123,361,026	46,503,048	9,305,337
21	3,138	265	143	8,384	$ 6,477	$ 76,968	$ 11,239	$ 181,929	508,714,529	301,628,333	24,904,842
11	1,407	117	65	3,676	$ 2,840	$ 34,151	$ 5,470	$ 85,384	239,949,320	110,318,905	11,608,645
43	7,470	633	337	20,425	$ 15,778	$ 186,166	$ 12,115	$ 440,999	1,301,673,511	653,698,992	50,066,213
10	2,242	173	90	5,521	$ 4,265	$ 49,927	$ 815	$ 136,180	312,268,612	228,064,455	11,815,788
77	20,504	1,573	810	50,909	$ 39,327	$ 458,098	$ 5,430	$ 1,276,481	3,092,764,632	1,826,349,816	107,675,336
88	29,776	2,030	1,041	65,638	$ 50,704	$ 589,867	$ 3,802	$ 2,027,927	4,100,247,661	2,208,319,677	142,433,396
53	23,006	1,313	672	40,142	$ 31,009	$ 360,443	$ 1,530	$ 1,656,152	1,727,073,425	2,364,373,697	115,343,611
24	14,105	665	340	18,846	$ 14,558	$ 169,146	$ 323	$ 1,051,705	296,562,173	1,777,978,263	45,310,810
,236	333,511	24,230	12,579	776,649	$ 599,950	$ 7,020,590	$ 605,154	$ 21,749,677	47,844,826,279	27,000,798,216	2,633,272,153

HAI Model Release 5.2a

Expense Module Release 5.2a

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This file contains licensed, proprietary information of
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used only with these associated program modules and is not
licensed for any other purpose.

Users making modifications to non-user adjustable inputs of
the HAI Model may not represent generated calculations as
those of the HAI Model.

NOTE: This sheet diplays all user adjustable inputs which vary from HM/FCC default settings

Workfile Name: **Y:\Program Files\HM52\WORKFILES\HMWKAZ45510111.XLS**
Distribution Module Name: **Y:\Program Files\HM52\MODULES\R52_distribution.xls**
Feeder Module Name: **Y:\Program Files\HM52\MODULES\R52_feeder.xls**
Switching Module Name: **Y:\Program Files\HM52\MODULES\R52_switching_io.xls**
Expense Module Name: **Y:\Program Files\HM52\MODULES\R52_expense_density.xls**

Module/Table	Scenario Input	Scenario Value	Default Value
Distribution	Buried Fraction - 0	0.81	0.75
Distribution	Buried Fraction - 5	0.8	0.75
Distribution	Buried Fraction - 100	0.79	0.75
Distribution	Buried Fraction - 200	0.77	0.7
Distribution	Buried Fraction - 650	0.73	0.7
Distribution	Buried Fraction - 850	0.61	0.7
Distribution	Buried Fraction - 2550	0.41	0.65
Distribution	Buried Fraction - 5000	0.21	0.35
Distribution	Buried Fraction - 10000	0	0.05
Distribution	Aerial Cable Fraction - 0	0.19	0.25
Distribution	Aerial Cable Fraction - 5	0.19	0.25
Distribution	Aerial Cable Fraction - 100	0.19	0.25
Distribution	Aerial Cable Fraction - 200	0.19	0.3
Distribution	Aerial Cable Fraction - 650	0.19	0.3
Distribution	Aerial Cable Fraction - 850	0.19	0.3
Distribution	Aerial Cable Fraction - 2550	0.19	0.3
Distribution	Aerial Cable Fraction - 5000	0.19	0.6
Distribution	Aerial Cable Fraction - 10000	0.19	0.85
Distribution	Drop Distance, feet - 0	205	150
Distribution	Drop Distance, feet - 5	205	150
Distribution	Drop Distance, feet - 100	136	100
Distribution	Drop Distance, feet - 200	136	100
Distribution	Drop Distance, feet - 650	68	50
Distribution	Drop Distance, feet - 850	68	50
Distribution	Drop Distance, feet - 2550	68	50
Distribution	Drop Distance, feet - 5000	68	50
Distribution	Drop Distance, feet - 10000	68	50
Distribution	Buried Drop Fraction - 0	0.81	0.75
Distribution	Buried Drop Fraction - 5	0.81	0.75
Distribution	Buried Drop Fraction - 100	0.81	0.75

Distribution	Buried Drop Fraction - 200	0.81	0.7
Distribution	Buried Drop Fraction - 650	0.81	0.7
Distribution	Buried Drop Fraction - 850	0.81	0.7
Distribution	Buried Drop Fraction - 2550	0.81	0.7
Distribution	Buried Drop Fraction - 5000	0.81	0.4
Distribution	Buried Drop Fraction - 10000	0.81	0.15
Distribution	Buried fraction available for shift - 0	0	0.75
Distribution	Buried fraction available for shift - 5	0	0.75
Distribution	Buried fraction available for shift - 100	0	0.75
Distribution	Buried fraction available for shift - 200	0	0.75
Distribution	Buried fraction available for shift - 650	0	0.75
Distribution	Buried fraction available for shift - 850	0	0.75
Distribution	Buried fraction available for shift - 2550	0	0.75
Feeder	Copper Aerial Fraction - 0	0.19	0.5
Feeder	Copper Aerial Fraction - 5	0.19	0.5
Feeder	Copper Aerial Fraction - 100	0.19	0.5
Feeder	Copper Aerial Fraction - 200	0.19	0.4
Feeder	Copper Aerial Fraction - 650	0.19	0.3
Feeder	Copper Aerial Fraction - 850	0.19	0.2
Feeder	Copper Aerial Fraction - 2550	0.19	0.15
Feeder	Copper Aerial Fraction - 5000	0.19	0.1
Feeder	Copper Aerial Fraction - 10000	0.19	0.05
Feeder	Copper Buried Fraction - 0	0.76	0.45
Feeder	Copper Buried Fraction - 5	0.76	0.45
Feeder	Copper Buried Fraction - 100	0.76	0.45
Feeder	Copper Buried Fraction - 200	0.61	0.4
Feeder	Copper Buried Fraction - 650	0.41	0.3
Feeder	Copper Buried Fraction - 850	0.21	0.2
Feeder	Copper Buried Fraction - 2550	0.06	0.1
Feeder	Copper Buried Fraction - 5000	0	0.05
Feeder	Copper Buried Fraction - 10000	0	0.05
Feeder	Fiber Aerial Fraction - 0	0.19	0.35
Feeder	Fiber Aerial Fraction - 5	0.19	0.35
Feeder	Fiber Aerial Fraction - 100	0.19	0.35
Feeder	Fiber Aerial Fraction - 200	0.19	0.3
Feeder	Fiber Aerial Fraction - 650	0.19	0.3
Feeder	Fiber Aerial Fraction - 850	0.19	0.2
Feeder	Fiber Aerial Fraction - 2550	0.19	0.15
Feeder	Fiber Aerial Fraction - 5000	0.19	0.1
Feeder	Fiber Aerial Fraction - 10000	0.19	0.05

Feeder	Fiber Buried Fraction - 0	0.76	0.6
Feeder	Fiber Buried Fraction - 5	0.76	0.6
Feeder	Fiber Buried Fraction - 100	0.76	0.6
Feeder	Fiber Buried Fraction - 200	0.61	0.6
Feeder	Fiber Buried Fraction - 650	0.41	0.3
Feeder	Fiber Buried Fraction - 850	0.21	0.2
Feeder	Fiber Buried Fraction - 2550	0.06	0.1
Feeder	Fiber Buried Fraction - 5000	0	0.05
Feeder	Fiber Buried Fraction - 10000	0	0.05
Feeder	Buried fraction available for shift - 0	0	0.75
Feeder	Buried fraction available for shift - 5	0	0.75
Feeder	Buried fraction available for shift - 100	0	0.75
Feeder	Buried fraction available for shift - 200	0	0.75
Feeder	Buried fraction available for shift - 650	0	0.75
Feeder	Buried fraction available for shift - 850	0	0.75
Feeder	Buried fraction available for shift - 2550	0	0.75
Feeder	Buried fraction available for shift - 5000	0	0.75
Feeder	Buried fraction available for shift - 10000	0	0.75
Switching	Switch Port Administrative Fill	0.8	0.94
Switching	Analog Line Circuit Offset for DLC lines, per line	0	30
Switching	Fiber Investment, buried fraction	0.61	0.6
Switching	Fiber, aerial fraction	0.19	0.2
Switching	Fraction of Aerial Structure Assigned to Telephone	0.5	0.33
Switching	Fraction of Buried Structure Assigned to Telephone	0.5	0.33
Switching	Fraction of Underground Structure Assigned to Telephone	0.5	0.33
Expense	Forward-looking Network Operations Factor	0.85	0.5
Expense	EO Traffic Sensitive Fraction	0.4	0.7
Expense	Distribution Aerial Sharing Fraction - 5	0.5	0.33
Expense	Distribution Aerial Sharing Fraction - 100	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 200	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 650	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 850	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 2550	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 5000	0.5	0.25
Expense	Distribution Aerial Sharing Fraction - 10000	0.5	0.25
Expense	Distribution Buried Sharing Fraction - 0	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 5	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 100	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 200	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 650	0.5	0.33

Expense	Distribution Buried Sharing Fraction - 850	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 2550	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 5000	0.5	0.33
Expense	Distribution Buried Sharing Fraction - 10000	0.5	0.33
Expense	Distribution Underground Sharing Fraction - 0	0.5	1
Expense	Distribution Underground Sharing Fraction - 650	0.5	0.4
Expense	Distribution Underground Sharing Fraction - 850	0.5	0.33
Expense	Distribution Underground Sharing Fraction - 2550	0.5	0.33
Expense	Distribution Underground Sharing Fraction - 5000	0.5	0.33
Expense	Distribution Underground Sharing Fraction - 10000	0.5	0.33
Expense	Feeder Aerial Sharing Fraction - 5	0.5	0.33
Expense	Feeder Aerial Sharing Fraction - 100	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 200	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 650	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 850	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 2550	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 5000	0.5	0.25
Expense	Feeder Aerial Sharing Fraction - 10000	0.5	0.25
Expense	Feeder Underground Sharing Fraction - 100	0.5	0.4
Expense	Feeder Underground Sharing Fraction - 200	0.5	0.33
Expense	Feeder Underground Sharing Fraction - 650	0.5	0.33
Expense	Feeder Underground Sharing Fraction - 850	0.5	0.33
Expense	Feeder Underground Sharing Fraction - 2550	0.5	0.33
Expense	Feeder Underground Sharing Fraction - 5000	0.5	0.33
Expense	Feeder Underground Sharing Fraction - 10000	0.5	0.33
Expense	Feeder Buried Sharing Fraction - 0	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 5	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 100	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 200	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 650	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 850	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 2550	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 5000	0.5	0.4
Expense	Feeder Buried Sharing Fraction - 10000	0.5	0.4

Qwest

EXECUTIVE SUMMARY

ARIZONA INTERCONNECTION COST DOCKET

NONRECURRING ELEMENTS

Study ID # 7241

2003
Nonrecurring Cost Study

January, 2003

THIS COST STUDY UPDATE REFLECTS NONRECURRING COSTS IN COMPLIANCE WITH THE DECEMBER 12, 2002 ORDER, DOCKET NO. T-00000A-00-0194/PHASE II-A ISSUED BY THE ARIZONA CORPORATION COMMISSION.

Market Services & MSEA Economic Analysis

Market Services And Economic Analysis Organization

Notes on NRC Study #7241

All NRC elements except for Analog Line Side Port were rerun with the prescribed factors. No other changes were made to the study.

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A. PURPOSE, SCOPE, AND APPLICATION

This study estimates forward-looking nonrecurring total element long run incremental costs Qwest will incur to provide Unbundled Elements. Nonrecurring costs represent the one-time costs that are incurred in order to establish and disconnect the service. The study identifies the costs for various work activities involved in providing the service. The study results represent fully allocated 2003 costs and may be used for pricing and other management decisions.

B. DESCRIPTION OF SERVICE

LOCAL TANDEM SWITCHING

DS1 Trunk Port
A DS1 Trunk Port is a DS1 trunk side switch port terminating at a DS1 common frame (or equivalent). Each DS1 Trunk Port includes a subset of 24 DSO channels capable of supporting local message traffic. A DS1 Trunk Port does not support PRI/ISDN.

Requests for DS1 Trunk Port ('s) must be followed by separate order ('s) to establish new Trunk Group ('s) or to augment existing Trunk Group('s).

Message Trunk Group
A Message Trunk Group is a software feature that establishes the trunk group and its associated trunk members. Signaling and addressing attributes are defined at the group level. Trunk members may be associated with individual channels of the DS1 Trunk Port.

LOCAL SWITCHING

Centrex Plus Common Equipment
Centrex Plus is a central office based business service with capabilities and features provided via a common block. A group of station lines is translated for an individual customer group and provides common access to a predetermined group of system features with intra-system calling. This study provides the costs associated with provisioning the Centrex Plus standard feature package.

Standard features include:

- Audible Message Waiting
- Automatic Call Back
- Call Forwarding – Busy Line
- Call Forwarding – Don't Answer
- Call Forwarding – Variable
- Call Hold
- Call Park
- Call Pickup
- Call Waiting
- Call Forwarding of Call Waiting Calls
- Dial Originating

B. DESCRIPTION OF SERVICE (Cont'd)

- Originating
- Terminating
- Cancel Call Waiting
- Conference Calling – 3/6 Way
- Data Call Protection
- Direct Inward Dialing
- Direct Outward Dialing
- Distinctive Ringing/Distinctive Call Waiting Tone
- Executive Busy Override
- Hunting
- Individual Line Billing
- Intercept
- Intrasystem Calling
- Last Number Redial
- Line Restrictions
- Make Set Busy
- Network Speed Call
- Outgoing Trunk Queuing
- Speed Calling – 1 & 2 Digit
- Three Way Calling/Consultation Hold/Call Transfer
- Touch-Tone
- Trunk Answer Any Station (Night Service)

Additional Centrex Features
Additional Centrex Features will be offered on an unbundled basis in conjunction with the Unbundled Switch product offering. The features are priced and ordered as separate elements. Subsequent order activity charges will also apply, when this product is ordered separately.

Unbundled BRI – ISDN Digital Line Port
An Unbundled BRI – ISDN Digital Line Port is a Digital 2B+D (2 Bearer Channels for Voice or Data and 1 Delta Channel for signaling and D Channel Packet) line side switch connection with BRI ISDN Voice and Data basic elements. The Unbundled BRI – ISDN Digital Line Port has Inter-LATA and Intra-LATA (where available) carrier choice, access to 911, and Qwest Operator Services. For Flexibility and customization optional features can be added. The Unbundled BRI

– ISDN Digital Line Port does not offer B Channel Packet service capabilities. A BFR for customized/specialized service will apply.

Standard features and functions include:

2B+D
2 Primary Directory Numbers (PDNs)
Call Appearances – Two per terminal
Normal Ringing
Caller ID Blocking

Unbundled DS1 DID Trunk Port and DSO Trunks

The DS1 DID/PBX Trunk Port is an unbundled switching product that provides a Co-Provider that ability to connect a PBX (Private Branch Exchange) user utilizing the DID (Direct Inward Dialing) functionality to a Qwest capable office. As with all trunk side central office connections, this service inherently includes hunting within the trunk group. All Trunks are designed as 4-wire leaving the central office, for 2-wire service, the trunks are converted at the customer's location.

DID is a special trunking arrangement that permits incoming calls from the exchange network to reach a specific PBX station directly without attendant assistance. DID service is offered with an analog or digital 2-way. If digital, the individual DSO's are 2-way trunks using advanced service that requires DID. This product allows the Co-Provider to order DID numbers in blocks of 20. One primary directory listing in the main directory is provided for each PBX system. Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of calls.

Unbundled DS1 Primary Rate Interface – ISDN Trunk Port

Primary Rate Interface Digital ISDN Trunk Port is a switch termination supporting PRI ISDN functionality. PRI trunk port requires a digital four wire-full duplex transmission path between ISDN compatible Customer Premises Equipment (CPE) and an PRI ISDN equipped Qwest central office.

The PRI central office equipped trunk port is a DS1 which provides 24 64 kpb/s channels. This product is dedicated call type of PRI with Custom protocol, up to 23 of the channels may be used as 64 kbp/s B channels. The 24th channel must be configured as a D channel, which will carry the signaling and control information. The B channels transmit voice and data or Circuit Switched Data (data only).

PRI ISND comes with the following standard features where technically feasible:
2B+D
Direct Inward Dialing (DID)
Direct Outward Dialing (DOD)
Calling Number Identification
Calling Number Identification Blocking – All Calls
Circuit Switched Data or Voice and Data

Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of incoming calls.

SUBSEQUENT ORDER CHARGE

Subsequent Order cost is the cost of processing a service order to make a change to an existing service, i.e., adding features to an existing line. The cost is per order.

B. DESCRIPTION OF SERVICE (Cont'd)

UNBUNDLED PACKET SWITCHING

Customer Channel:

UPS Customer Channel connectivity from the QWEST ATM to the Remove DSLAM. This element consists of: DSLAM functionality (programming of the port and card, splitter and Heikimian Test Head), and Virtual channel that will serve as the originating and terminating points for Virtual Path Connections (VPCs) and Virtual Channel Connections (VCCs) (transport between the DSLAM and Qwest ATM).

Shared Distribution Loop:

Subloop is defined as any portion of the loop that is technically feasible to access at terminals in Qwest's outside plant, including inside wire (owned by Qwest). An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case and/ or digging up underground to reach the wire or fiber within.
Such access points may include, but are not limited to, the pole or pedestal, the network interface device (NID), the minimum point of entry, the single point of interconnection (at multi-unit premises), the main distribution frame, Serving Area Interface (SAI) and/or the remote terminal, and the feeder distribution interface (FDI).

Unbundled Distribution Subloop:

Shared Distribution Subloop is defined as making available the opportunity for the CLEC to offer advanced data services on the distribution loop simultaneously with an existing end user's analog voice grade service (POTS) which is provided by Qwest. The voice circuit is originating at the Qwest Central office and terminates at the Network Interface at the customer location. The data originates at the CLECs Remote location, which has been established at the technically feasible distribution interface point within the local loop.

ATM Switch Interface Port

Unbundled packet ATM Switch Interface Port:

- DS1 or DS3 interface is the physical entry point into the ATM Cell Relay Service Network.
- This UNE is a prerequisite to ordering an Unbundled Packet Switching Customer Channel

ATM Cell Relay Service ports are the physical entry points into the ATM Cell Relay Service Network. They are the originating and terminating points for Virtual Path Connections and Virtual Channel Coinnections. Ports include the electronic equipment used in connecting these service elements to the ATM Cell Relay Service Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 1.5 Mbit/s, 45 Mbit/s or 155 Mbit/s.

B. DESCRIPTION OF SERVICE (Cont'd)

CUSTOM ROUTING

Custom Routing will combine End Office (EO) Switching with dedicated trunks to allow Co-Providers the ability to request specific traffic routing direction by class of service via a unique Line Class Code (LCC). Capacity constraints vary from switch to switch. Each Co-Provider request will require a unique Line Class Code (LCC), to be established and deployed in the EO Switch or tandem the Co-Provider has specified.

Custom Routing can be requested for Operator Services and Directory Assistance trunking. Custom Routing is provisioned using Line Class Codes to route the traffic over specific trunk groups.

Custom Routing has the following trunking requirements:

1. Dedicated Local Directory Assistance (DA) trunks directed to a CLEC Local DA platform.

2. Dedicated DA Local Trunks directed to a CLEC Local Electronic DA Platform.

3. Dedicated DA Local Trunks directed to the Qwest DA Platform. CLEC Branding is purchased through Qwest Operator Services.

4. Dedicated Full Feature Operator Local Trunks to allow Local Operator Services Call (0+, 0-) dialed by a CLEC end user customer to be directed to a CLEC Local Operator Services Platform (Standard Operator Services protocols of 0+ or 0- will be supported where technically feasible).

5. Dedicated Full Feature Operator Local Trunks to allow Local Operator Services calls (0+, 0-) dialed by a CLEC end user customer to be directed to a Qwest Local Operator Services platform. CLEC branding is purchased from Qwest Operator Services.

The nonrecurring elements are:
Operator, Directory Assistance Development Per Line Class Code
Operator, Directory Assistance Installation Per Switch

C. STUDY METHODOLOGY

The Nonrecurring Cost Program (NRC) performs mechanized cost calculations associated with the one time labor expense resulting from a customer request for service. Inputs to the calculations include: labor time, probability of occurrence, labor rate, and expense factors. Formatting commands performed by the program generate Total Element Long Run Increment Cost (TELRIC) results.

C. STUDY METHODOLOGY (Cont'd)

Following is a description of the required data inputs:

Time Estimates:
The time estimate is the average amount of time required to perform a particular work function. Time estimates are obtained from subject matter experts who represent the groups doing the work.

Probabilities:
A probability is the percentage of time Qwest performs a particular work function in the provision of a particular service offering. Probabilities are developed from reports and from the input of Subject Matter Experts.

Labor Rates:
Directly assigned labor rates are based on expense data from the general ledger journal file (Service Order Processing/Other) and from the incurred expenses of Account 6534 (Plant) and 6535 (Engineering). The directly assigned labor rates consist of costs that can be attributed to the function being performed and are forward looking based on the wage and salary index, the percent change in the post-retirement benefits, and the Consumer Price Index. Components that make up labor rates include: basic wages and salaries, supervision and support, benefits, and other miscellaneous costs.

Expense Factors:
The program applies expense factors to the direct cost. The factors include Commercial Marketing, Network Support, Directly Attributable, and Common.

Once the service provisioning process has been identified, the appropriate times, Probabilities, and labor rate/work group identifies are formatted into NRC Program input data sheets. The process specific input files are then inserted into the NRC Program. The program user selects run options on a menu, and the NRC program then accesses the appropriate input from the NRC program workbook spreadsheets to calculate cost results.

The cost calculations consist of Labor Time times Probability of Occurrence times Labor Rate equals Direct Cost. Added to the Direct cost are appropriate Expense Factors that calculate and display **Total Direct (TELRIC)** Total Element Long Run Incremental Cost, **Direct *plus* Network Support, Direct *plus* Network Support *plus* Attributable**, and **Fully Allocated Costs**. (See *Section D, Description of Total Element Long Run Incremental Costs* for detailed description of the various cost levels).

D. DESCRIPTION OF TOTAL ELEMENT LONG RUN INCREMENTAL COSTS

Qwest Communications uses an incremental method to estimate product and service costs. It provides a measurement of costs over a period of time long enough to fully adjust to change output (e.g., size of facilities, levels of investment) to optimally accommodate this change. This methodology is forward looking in nature (i.e., it uses the latest technology costs or replacement costs). Since this incremental methodology is forward looking, it does *not* measure historic investment decisions of the corporation.

The QWEST incremental format disaggregates the cost results on a unitized basis into the components shown below:

D. DESCRIPTION OF TOTAL ELEMENT LONG RUN INCREMENTAL COSTS (Cont'd)

Total Service Long Run Incremental Cost (TSLRIC) -- Total Service Long Run Incremental cost is the forward-looking cost avoided (or added) by discontinuing (or offering) an entire service or group of services in the most efficient manner, holding constant the production of all other services produced by the firm. This cost is often referred to in economic terms as the *direct* cost.

Shared Cost (SC) -- The cost associated with the provision of multiple services (service family). This cost is not volume sensitive and is eliminated only if the entire service family is discontinued.

Total Service Long Run Incremental Costs plus Shared Costs (TSLRIC + SC) -- The total Service Long Run Incremental Costs for a service plus the Shared Costs of a family of services.

Total Element Long Run Incremental Cost (TELRIC) -- Total Element Long Run Incremental cost, as defined by the Federal Communications Commission, is the sum of the forward-looking direct cost incurred in the production of a network element (as opposed to an entire service), attributed costs considered as shared under TSLRIC terminology and selected administrative costs considered as common under TSLRIC terminology.

Common Cost (CC)

For TSLRIC purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole. This cost does not vary with the provision of a service or a service family. These costs are sometimes referred to as *general overhead costs*. The Common Cost added to the TSLRIC + SC produces a **Fully Allocated Cost (FAC)** as required by commission rules.

For TELRIC purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole, after those costs that vary with the provisioning of individual network elements are removed. The costs removed from common for TELRIC purposes are included in TELRIC itself. **Total Element Long Run Incremental Cost plus TELRIC common costs (TELRIC + CC)** form the basis for pricing of Interconnection network elements. TELRIC + CC is the equivalent of fully allocated cost as the term is applied to network elements.

Typically, the costs identified by these cost categories include capital costs for depreciation, return, and income taxes. TSLRIC also includes ongoing operating costs for: maintenance expense, assignable administration expense, product management expense, pre sales expense, sales compensation expense, expensed right to use fees, ad Valorem taxes and business fees.

E. STUDY ASSUMPTIONS

The cost factors used in this study are based on Prescribed Lives.

F. STUDY SUMMARY

Study Summary

Study Name	Arizona Interconnect Docket	
Study Requester	*Bob Brigham*	
Type of Study	*Total Element Long Run Incremental Costs (TELRIC)*	
Study ID	*7241*	
Study Applications	*Pricing Decisions and Tariff Support*	
Completion Date	*January 2003*	
Cost Analyst	*Dan Deffley/Denise Eoriatti*	
Cost Models Used	**Model**	**Version/Release Date**
	ENRC	*ENRC 225*
		(01-03)
		00AZ04E
Cost Factors Used	**Factor**	**Effective Date**
	Commission ordered overhead	
	9.61%	
Major Cost Drivers	*Labor Times, Labor Rates and associated weightings.*	

G. NONRECURRING COST SUMMARY

COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241

Arizona
2003
Total Direct Costs and Common Costs

Cost Element	Direct	+ Marketing & Bus. Fees	+ Direct Marketing	+ Other Direct Expenses	= TELRIC	+ Common	= TELRIC + Common
CENTREX COMMON EQUIPMENT	$870.23 +	$41.38 =	$911.61 +	$230.30 =	$1,141.90 +	$42.98 =	$1,184.89
ACCOUNT CODES, PER SYSTEM	$57.72 +	$2.74 =	$60.47 +	$15.28 =	$75.74 +	$2.85 =	$78.60
ATTENDANT ACCESS LINE - PER STATION LINE	$0.83 +	$0.04 =	$0.87 +	$0.22 =	$1.09 +	$0.04 =	$1.14
AUDIBLE MESSAGE WAITING	$0.73 +	$0.03 =	$0.76 +	$0.19 =	$0.96 +	$0.04 =	$0.99
AUTHORIZATION CODES - PER SYSTEM	$172.64 +	$8.21 =	$180.85 +	$45.69 =	$226.53 +	$8.53 =	$235.06
AUTOMATIC LINE, per station line	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
ARS - COMMON EQUIPMENT, per system	$1,514.72 +	$72.02 =	$1,586.74 +	$400.86 =	$1,987.60 +	$74.82 =	$2,062.41
CALL DROP	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
CALL EXCLUSION - AUTOMATIC	$0.73 +	$0.03 =	$0.76 +	$0.19 =	$0.96 +	$0.04 =	$0.99
CALL EXCLUSION	$0.48 +	$0.02 =	$0.50 +	$0.13 =	$0.63 +	$0.02 =	$0.66
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE	$0.73 +	$0.03 =	$0.76 +	$0.19 =	$0.96 +	$0.04 =	$0.99
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT	$11.30 +	$0.54 =	$11.84 +	$2.99 =	$14.83 +	$0.56 =	$15.39
CALL WAITING INDICATION, per unique timing state, per timing state	$0.73 +	$0.03 =	$0.76 +	$0.19 =	$0.96 +	$0.04 =	$0.99
CFBL INCOMING ONLY	$27.36 +	$1.30 =	$28.66 +	$7.24 =	$35.90 +	$1.35 =	$37.25
CFDA INCOMING ONLY	$27.36 +	$1.30 =	$28.66 +	$7.24 =	$35.90 +	$1.35 =	$37.25
CLASS - CONTINUOUS REDIAL, PER NUIMBER	$0.91 +	$0.04 =	$0.95 +	$0.24 =	$1.19 +	$0.04 =	$1.24
CLASS - LAST CALL RETURN, PER NUMBER	$0.92 +	$0.04 =	$0.96 +	$0.24 =	$1.20 +	$0.05 =	$1.25
CLASS - PRIORITY CALLING, PER NUMBER	$0.87 +	$0.04 =	$0.91 +	$0.23 =	$1.14 +	$0.04 =	$1.18
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	$0.91 +	$0.04 =	$0.95 +	$0.24 =	$1.19 +	$0.04 =	$1.24
CLASS - SELECTIVE CALL REJECTION, PER NUMBER	$0.87 +	$0.04 =	$0.91 +	$0.23 =	$1.14 +	$0.04 =	$1.18
CONFERENCE CALLING - MEET ME - PER SYSTEM	$30.64 +	$1.46 =	$32.10 +	$8.11 =	$40.21 +	$1.51 =	$41.72
CONFERENCE CALLING - PRESET - PER SYSTEM	$30.64 +	$1.46 =	$32.10 +	$8.11 =	$40.21 +	$1.51 =	$41.72
DIR STA SEL/BUSY LAMP FLD, per arrangement	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
DIRECTED CALL PICK UP BARGE-IN	$14.55 +	$0.69 =	$15.24 +	$3.85 =	$19.09 +	$0.72 =	$19.81

DIRECTED CALL PICKUP WITHOUT BARGE-IN	$14.55 +	$0.69 =	$15.24 +	$3.85 =	$19.09 +	$0.72 =	$19.81
DISTINCTIVE RING/DISTINCTIVE CALL WAITING	$29.08 +	$1.38 =	$30.47 +	$7.70 =	$38.16 +	$1.44 =	$39.60
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	$51.88 +	$2.47 =	$54.35 +	$13.73 =	$68.08 +	$2.56 =	$70.64
FACILITY RESTRICTION LEVEL - PER SYSTEM	$31.92 +	$1.52 =	$33.43 +	$8.45 =	$41.88 +	$1.58 =	$43.46
GROUP INTERCOM - PER LINE	$0.33 +	$0.02 =	$0.34 +	$0.09 =	$0.43 +	$0.02 =	$0.45
HOT LINE - per line equipped, per line	$0.73 +	$0.03 =	$0.76 +	$0.19 =	$0.96 +	$0.04 =	$0.99
HUNTING - MULTIPOSITION HUNT QUEUING - per group	$27.84 +	$1.32 =	$29.16 +	$7.37 =	$36.53 +	$1.38 =	$37.90
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	$27.84 +	$1.32 =	$29.16 +	$7.37 =	$36.53 +	$1.38 =	$37.90
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	$29.40 +	$1.40 =	$30.79 +	$7.78 =	$38.57 +	$1.45 =	$40.03
ISDN SHORT HUNT	$1.23 +	$0.06 =	$1.29 +	$0.32 =	$1.61 +	$0.06 =	$1.67
LOUDSPEAKER PAGING TRUNK SIDE, per group	$127.36 +	$6.06 =	$133.42 +	$33.70 =	$167.12 +	$6.29 =	$173.41
MAKE BUSY ARRANGEMENTS, per group	$0.48 +	$0.02 =	$0.50 +	$0.13 =	$0.63 +	$0.02 =	$0.66
MAKE BUSY ARRANGEMENTS, per line	$0.48 +	$0.02 =	$0.50 +	$0.13 =	$0.63 +	$0.02 =	$0.66
MESSAGE CENTER - per main station line, per line	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
MESSAGE WAITING VISUAL, per line	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
MUSIC ON HOLD - per system	$16.69 +	$0.79 =	$17.48 +	$4.42 =	$21.90 +	$0.82 =	$22.72
PRIVACY RELEASE, per station line	$0.34 +	$0.02 =	$0.36 +	$0.09 =	$0.45 +	$0.02 =	$0.47
QUERY TIME, per station line	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
STATION CAMP-ON, per main line, per line	$0.25 +	$0.01 =	$0.26 +	$0.07 =	$0.33 +	$0.01 =	$0.34
TIME OF DAY CONTROL FOR ARS - PER SYSTEM	$90.78 +	$4.32 =	$95.09 +	$24.02 =	$119.11 +	$4.48 =	$123.60
TIME OF DAY NCOS UPDATED, PER MAIN STATION	$0.39 +	$0.02 =	$0.41 +	$0.10 =	$0.51 +	$0.02 =	$0.53
TIME OF DAY ROUTING, per line	$0.37 +	$0.02 =	$0.39 +	$0.10 =	$0.49 +	$0.02 =	$0.51
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED	$0.28 +	$0.01 =	$0.30 +	$0.08 =	$0.37 +	$0.01 =	$0.39
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line	$0.48 +	$0.02 =	$0.50 +	$0.13 =	$0.63 +	$0.02 =	$0.66
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	$700.96 +	$33.33 =	$734.29 +	$185.50 =	$919.79 +	$34.62 =	$954.41
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION	$350.48 +	$16.66 =	$367.14 +	$92.75 =	$459.89 +	$17.31 =	$477.21
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM	$350.48 +	$16.66 =	$367.14 +	$92.75 =	$459.89 +	$17.31 =	$477.21
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION	$244.78 +	$11.64 =	$256.42 +	$64.78 =	$321.20 +	$12.09 =	$333.29
SMDR-P - ARCHIVED DATA	$127.91 +	$6.08 =	$133.99 +	$33.85 =	$167.84 +	$6.32 =	$174.16
SUBSEQUENT ORDER CHARGE	$9.79 +	$0.47 =	$10.26 +	$2.59 =	$12.85 +	$0.48 =	$13.33
BRI ISDN DIGITAL LINE PORT	$158.26 +	$7.52 =	$165.79 +	$41.88 =	$207.67 +	$7.82 =	$215.49
MESSAGE TRUNK GROUP, FIRST TRUNK	$150.88 +	$7.17 =	$158.06 +	$39.93 =	$197.99 +	$7.45 =	$205.44
MESSAGE TRUNK GROUP, EACH ADDITIONAL	$36.68 +	$1.74 =	$38.42 +	$9.71 =	$48.13 +	$1.81 =	$49.94
DS1 PRI ISDN TRUNK PORT	$467.89 +	$22.25 =	$490.14 +	$123.82 =	$613.96 +	$23.11 =	$637.08
DS1 / DID TRUNK PORT	$153.48 +	$7.30 =	$160.78 +	$40.62 =	$201.39 +	$7.58 =	$208.98

DS0 ANALOG TRUNK PORT - FIRST PORT	$88.82 +	$4.22 =	$93.04 +	$23.51 =	$116.55 +	$4.39 =	$120.93
DS0 ANALOG TRUNK PORT - EACH ADDITIONAL	$20.61 +	$0.98 =	$21.59 +	$5.46 =	$27.05 +	$1.02 =	$28.07
UPS DS1/DS3 ATM SWITCH INTERFACE PORT	$164.13 +	$7.80 =	$171.93 +	$43.43 =	$215.37 +	$8.11 =	$223.47
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	$43.38 +	$2.06 =	$45.45 +	$11.48 =	$56.93 +	$2.14 =	$59.07
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP	$91.75 +	$4.36 =	$96.11 +	$24.28 =	$120.39 +	$4.53 =	$124.92
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP	$43.38 +	$2.06 =	$45.45 +	$11.48 =	$56.93 +	$2.14 =	$59.07
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	$227.88 +	$10.83 =	$238.71 +	$60.31 =	$299.02 +	$11.26 =	$310.28
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	$166.93 +	$7.94 =	$174.86 +	$44.18 =	$219.04 +	$8.25 =	$227.29

Direct - Direct Costs

Marketing & Bus. Fees - Marketing & Business Fees

Direct + Marketing - Direct Costs + Marketing & Business Fees

Other Direct Expenses - Other Direct Expenses

TELRIC - Total Element Long Run Incremental Costs

LABOR RATES

Description	Code	AZ	CO	ID	IA	MN	MT	NE	NM	ND	OR	SD	UT	WA	WY	QW		
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	01	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34	6623.123
Interchange Carrier Service Center	02	40.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	09	6623.11
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	03	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SS	6623.123
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	04	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83	6623.123
Net. Admin. Circuit Assign & Design	05	44.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	05	6532.3
TRANS. ENG.	06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54	
Loc. Assign & Dispatch & Testing	07	37.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	L10/6534.11
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	08	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89	6623.123
Net Mtce - C. O.	09	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39	L40/6534.11
Loc. Assign & Dispatch & Testing	10	37.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	01	L10/6534.11
Network - Install & Mtce	11	42.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42	L50/6534.11
Net Mtce - C. O.	12	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	L40/6534.11
Net. & C. O. Plan & Engr	13	46.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54	N20/6535.11
Net. Admin - C. O. Admin	14	41.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	6532.2
Net. Admin - C. O. Admin	15	41.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	07	6532.2
Net Mtce - C. O.	16	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	L40/6534.11
Loc. Assign & Dispatch & Testing	17	37.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	L10/6534.11
C.A.C.	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57	
Net Mtce - C. O.	19	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	L40/6534.11
MARKETING	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	
Net Mtce - C. O.	21	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	L40/6534.11
Net Mtce - C. O.	22	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	04	L40/6534.11
Network - Install & Mtce	23	42.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	L50/6534.11
Net Mtce - C. O.	24	43.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	06	L40/6534.11
Network - Install & Mtce	25	42.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	L50/6534.11
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	26	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SE	6623.123
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	27	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14	6623.123
Network - Install & Mtce	28	42.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	L50/6534.11
Loc. Assign & Dispatch & Testing	29	37.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	03	L10/6534.11
Network - Install & Mtce	30	42.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14	L50/6534.11
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	31	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34	6623.123
Loc. Assign & Dispatch & Testing	32	37.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	01	L10/6534.11
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	33	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SE	6623.123
Distribution Service Engineering	34	51.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53	N30/6535.11
DBAC	35	38.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89	6621
Net. COE Installation	36	49.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	L70/6534.11
INFORMATION MANAGEMENT	37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51	
Net. Admin. Circuit Assign & Design	38	44.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		6532.3
BROADBAND CONSTR. TECH.	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

BROADBAND SERV ATNDNT	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BROADBAND REPAIR DSPCH	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
SBS, Res, BGS, Carrier, Coin, ICS, SOEC	42	39.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		6623.123
Manager Grade 4	43	56.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Special
Net Distr - Plant Opns & Construction	44	46.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		L30/6534.11
Manager Grade 5	45	69.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Special

Cost Factors - Interconnection

	AZ	CO	ID	IA	MN	MT	NE	NM	ND	OR	SD	UT	WA	WY	QW
Cost of Money:															
Release Date:															
Marketing & Business Fees															
Product Management Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Sales Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Product Advertising Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Business Fees (Other Operating Tax	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total Marketing & Business Fees															
Sub-Total Direct Cost & Marketing															
Other Direct Expenses															
Network Operations	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Network Support Assets	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Support Assets	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Purpose Computers	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Uncollectible	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Accounting & Finance Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Human Resources Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Information Management Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Intangibles	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total Other Direct Expenses															
TELRIC															
Common															
Executive Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Planning Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
External Relations Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Legal Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Procurement Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Research & Development Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other General and Admin Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Common Costs															
TELRIC + Common Costs															
Commission Factor 1	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.196200**	**0.000000**	**0.000000**
Commission Factor 2	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.040500**	**0.000000**	**0.000000**

Cost Factors - Interconnection

	00AZ04E														
Cost of Money:	9.61%														
Release Date:	03/02														
	AZ	CO	ID	IA	MN	MT	NE	NM	ND	OR	SD	UT	WA	WY	QW
Marketing & Business Fees															
Product Management Expense	0.034281	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Sales Expense	0.011333	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Product Advertising Expense	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Business Fees (Other Operating Ta	0.001848	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total Marketing & Business Fees															
Sub-Total Direct Cost & Marketing															
Other Direct Expenses															
Network Operations	0.050289	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Network Support Assets	0.015375	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Support Assets	0.080638	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Purpose Computers	0.036437	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Uncollectible	0.001017	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Accounting & Finance Expense	0.007523	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Human Resources Expense	0.007263	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Information Management Expense	0.051570	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Intangibles	0.002516	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total Other Direct Expenses															
TELRIC															
Common															
Executive Expense	0.005786	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Planning Expense	0.000498	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
External Relations Expense	0.008170	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Legal Expense	0.005352	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Procurement Expense	0.002025	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Research & Development Expense	0.000031	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other General and Admin Expense	0.015781	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Common Costs															
TELRIC + Common Costs															
Commission Factor 1	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.196200**	**0.000000**	**0.000000**
Commission Factor 2	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.040500**	**0.000000**	**0.000000**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CENTREX COMMON EQUIPMENT								
ADD								
-NROC - COMPLEX TRANSLATIONS								
1st probability % by switch type								
COMMON EQUIPMENT - 5E	215	0.660				141.90	$41.45	$98.03
COMMON EQUIPMENT - 5E	195	0.660				128.70	$41.45	$88.91
COMMON EQUIPMENT - DMS	350	0.340				119.00	$41.45	$82.21
COMMON EQUIPMENT - DMS	595	0.340				202.30	$41.45	$139.76
AUTOMATIC CALLBACK - 5E	10	0.660				6.60	$41.45	$4.56
AUTOMATIC CALLBACK - 5E	10	0.660				6.60	$41.45	$4.56
AUTOMATIC CALLBACK - DMS	15	0.340				5.10	$41.45	$3.52
AUTOMATIC CALLBACK - DMS	15	0.340				5.10	$41.45	$3.52
CALL FORWARDING - BUSY LINE - 5E	30	0.660				19.80	$41.45	$13.68
CALL FORWARDING - BUSY LINE - 5E	30	0.660				19.80	$41.45	$13.68
CALL FORWARDING - DON'T ANSWER - 5E	30	0.660				19.80	$41.45	$13.68
CALL FORWARDING - DON'T ANSWER - 5E	30	0.660				19.80	$41.45	$13.68
CALL FORWARDING - DON'T ANSWER - DMS	10	0.340				3.40	$41.45	$2.35
CALL FORWARDING - DON'T ANSWER - DMS	10	0.340				3.40	$41.45	$2.35
CALL FORWARDING - VARIABLE - 5E	7	0.660				4.62	$41.45	$3.19
CALL FORWARDING - VARIABLE - 5E	7	0.660				4.62	$41.45	$3.19
CALL FORWARDING - VARIABLE - DMS	20	0.340				6.80	$41.45	$4.70
CALL FORWARDING - VARIABLE - DMS	25	0.340				8.50	$41.45	$5.87
CALL HOLD - 5E	10	0.660				6.60	$41.45	$4.56
CALL HOLD - 5E	10	0.660				6.60	$41.45	$4.56
CALL HOLD - DMS	5	0.340				1.70	$41.45	$1.17
CALL HOLD - DMS	10	0.340				3.40	$41.45	$2.35
CALL PARK - 5E	20	0.660				13.20	$41.45	$9.12
CALL PARK - 5E	10	0.660				6.60	$41.45	$4.56
CALL PARK - DMS	20	0.340				6.80	$41.45	$4.70
CALL PARK - DMS	25	0.340				8.50	$41.45	$5.87
CALL PICKUP - 5E	10	0.660				6.60	$41.45	$4.56
CALL PICKUP - 5E	10	0.660				6.60	$41.45	$4.56
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.660				6.60	$41.45	$4.56
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.660				6.60	$41.45	$4.56

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CENTREX COMMON EQUIPMENT (con't)								
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	25	0.340				8.50	$41.45	$5.87
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	30	0.340				10.20	$41.45	$7.05
CONFERENCE CALLING - 3 WAY - 5E	7	0.660				4.62	$41.45	$3.19
CONFERENCE CALLING - 3 WAY - 5E	7	0.660				4.62	$41.45	$3.19
CONFERENCE CALLING - 6 WAY - 5E	25	0.660				16.50	$41.45	$11.40
CONFERENCE CALLING - 6 WAY - 5E	20	0.660				13.20	$41.45	$9.12
CONFERENCE CALLING - 6 WAY - DMS	20	0.340				6.80	$41.45	$4.70
CONFERENCE CALLING - 6 WAY - DMS	20	0.340				6.80	$41.45	$4.70
DATA CALL PROTECTION - 5E	10	0.660				6.60	$41.45	$4.56
DATA CALL PROTECTION - 5E	10	0.660				6.60	$41.45	$4.56
DATA CALL PROTECTION - DMS	30	0.340				10.20	$41.45	$7.05
DATA CALL PROTECTION - DMS	30	0.340				10.20	$41.45	$7.05
DISTINCTIVE CALL WAITING TONE - DMS	30	0.340				10.20	$41.45	$7.05
DISTINCTIVE CALL WAITING TONE - DMS	30	0.340				10.20	$41.45	$7.05
EXECUTIVE BUSY OVERRIDE - DMS	30	0.340				10.20	$41.45	$7.05
EXECUTIVE BUSY OVERRIDE - DMS	40	0.340				13.60	$41.45	$9.40
HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	30	0.340				10.20	$41.45	$7.05
HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	40	0.340				13.60	$41.45	$9.40
INTRASYSTEM CALLING - 5E	10	0.660				6.60	$41.45	$4.56
INTRASYSTEM CALLING - 5E	10	0.660				6.60	$41.45	$4.56
LAST NUMBER REDIAL - 5E	5	0.660				3.30	$41.45	$2.28
LAST NUMBER REDIAL - 5E	10	0.660				6.60	$41.45	$4.56
LINE RESTRICTIONS - DMS	10	0.340				3.40	$41.45	$2.35
LINE RESTRICTIONS - DMS	10	0.340				3.40	$41.45	$2.35
MAKE SET BUSY - DMS	5	0.340				1.70	$41.45	$1.17
MAKE SET BUSY - DMS	10	0.340				3.40	$41.45	$2.35
NETWORK SPEED CALL - DMS	135	0.340				45.90	$41.45	$31.71
NETWORK SPEED CALL - DMS	150	0.340				51.00	$41.45	$35.23
OUTGOING TRUNK QUEUING - 5E	30	0.660				19.80	$41.45	$13.68
OUTGOING TRUNK QUEUING - 5E	30	0.660				19.80	$41.45	$13.68
OUTGOING TRUNK QUEUING - DMS	60	0.340				20.40	$41.45	$14.09
OUTGOING TRUNK QUEUING - DMS	65	0.340				22.10	$41.45	$15.27
SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.660				6.60	$41.45	$4.56
SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.660				6.60	$41.45	$4.56
SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.340				3.40	$41.45	$2.35
SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.340				3.40	$41.45	$2.35
THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	10	0.340				3.40	$41.45	$2.35
THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	15	0.340				5.10	$41.45	$3.52
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.660				6.60	$41.45	$4.56
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.660				6.60	$41.45	$4.56
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	35	0.340				11.90	$41.45	$8.22
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	40	0.340				13.60	$41.45	$9.40

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CENTREX COMMON EQUIPMENT (con't)								
Subtotal - NROC - COMPLEX TRANSLATIONS						**1,259.68**		**$870.23**
Total For Service:						**1,259.68**		**$870.23**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor $/Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CENTREX COMMON EQUIPMENT (con't)

137	Direct Cost				$870.23
138					
139					
140		Cost Calculation		Cost Factor	Cost
141		B	C	D	E
142	***Marketing & Business Fees***				
143	Product Management Expense	D143*E137		0.034281	$29.83
144	Sales Expense	D144*E137		0.011333	$9.86
145	Product Advertising Expense	D145*E137		0.000000	$0.00
146	Business Fees (Other Operating Taxes)	D146*Sum(E137:E145)		0.001848	$1.68
147	***Total Marketing & Business Fees***	Sum(E143:E146)			$41.38
148					
149	***Sub-Total Direct Cost & Marketing***	E137+E147			$911.61
150					
151	***Other Direct Expenses***				
152	Network Operations	D152*E149		0.050289	$45.84
153	Network Support Assets	D153*E149		0.015375	$14.02
154	General Support Assets	D154*E149		0.080638	$73.51
155	General Purpose Computers	D155*E149		0.036437	$33.22
156	Uncollectible	D156*E149		0.001017	$0.93
157	Accounting & Finance Expense	D157*E149		0.007523	$6.86
158	Human Resources Expense	D158*E149		0.007263	$6.62
159	Information Management Expense	D159*E149		0.051570	$47.01
160	Intangibles	D160*E149		0.002516	$2.29
161	***Total Other Direct Expenses***	Sum(E152:E160)			$230.30
162					
163	***TELRIC***	E152+E161			$1,141.90
164					
165	***Common***				
166	Executive Expense	D166*E163		0.005786	$6.61
167	Planning Expense	D167*E163		0.000498	$0.57
168	External Relations Expense	D168*E163		0.008170	$9.33
169	Legal Expense	D169*E163		0.005352	$6.11
170	Other Procurement Expense	D170*E163		0.002025	$2.31
171	Research & Development Expense	D171*E163		0.000031	$0.04
172	Other General and Admin Expense	D172*E163		0.015781	$18.02
173	***Common Costs***	Sum(E166:E172)			$42.96
174					
175	***TELRIC + Common Costs***	E163+E173			$1,184.89

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Adj Time (Minutes) G B * (C Thru F)	Labor Rate H	Cost I H * (G/60)
ACCOUNT CODES, PER SYSTEM								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is % by switch type								
Administration - sw1	20	0.660				13.20	$41.45	$9.12
Maintenance - sw1	20	0.660				13.20	$41.45	$9.12
Administration - sw2	60	0.340				20.40	$41.45	$14.09
Maintenance - sw2	105	0.340				35.70	$41.45	$24.66
Subtotal - NROC						82.50		$56.99
Total For Service:						83.50		$57.72

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

ACCOUNT CODES, PER SYSTEM (con't)

227	**Direct Cost**			$57.72
228				
229				
230				
231				
232	***Marketing & Business Fees***			
233	Product Management Expense	D233*E227	0.034281	$1.98
234	Sales Expense	D234*E227	0.011333	$0.65
235	Product Advertising Expense	D235*E227	0.000000	$0.00
236	Business Fees (Other Operating Taxes)	D236*Sum(E227:E235)	0.001848	$0.11
237	***Total Marketing & Business Fees***	Sum(E233:E236)		$2.74
238				
239	***Sub-Total Direct Cost & Marketing***	E227+E237		$60.47
240				
241	***Other Direct Expenses***			
242	Network Operations	D242*E239	0.050289	$3.04
243	Network Support Assets	D243*E239	0.015375	$0.93
244	General Support Assets	D244*E239	0.080638	$4.88
245	General Purpose Computers	D245*E239	0.036437	$2.20
246	Uncollectible	D246*E239	0.001017	$0.06
247	Accounting & Finance Expense	D247*E239	0.007523	$0.45
248	Human Resources Expense	D248*E239	0.007263	$0.44
249	Information Management Expense	D249*E239	0.051570	$3.12
250	Intangibles	D250*E239	0.002516	$0.15
251	***Total Other Direct Expenses***	Sum(E242:E250)		$15.28
252				
253	***TELRIC***	E242+E251		$75.74
254				
255	***Common***			
256	Executive Expense	D256*E253	0.005786	$0.44
257	Planning Expense	D257*E253	0.000498	$0.04
258	External Relations Expense	D258*E253	0.008170	$0.62
259	Legal Expense	D259*E253	0.005352	$0.41
260	Other Procurement Expense	D260*E253	0.002025	$0.15
261	Research & Development Expense	D261*E253	0.000031	$0.00
262	Other General and Admin Expense	D262*E253	0.015781	$1.20
263	***Common Costs***	Sum(E256:E262)		$2.85
264				
265	***TELRIC + Common Costs***	E253+E263		$78.60

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor $/Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ATTENDANT ACCESS LINE - PER STATION LINE								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**1.00**		**$0.73**
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd probability is % by switch type								
Administration - sw1	15	0.005	0.660			0.05	$41.45	$0.03
Maintenance - sw1	15	0.005	0.660			0.05	$41.45	$0.03
Administration - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.15**		**$0.10**
Total For Service:						**1.15**		**$0.83**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

ATTENDANT ACCESS LINE - PER STATION LINE (con't)

317	**Direct Cost**				**$0.86**
318					
319					
320		Cost Calculation		Cost Factor	Cost
321		B	C	D	E
322	***Marketing & Business Fees***				
323	Product Management Expense	D323*E317		0.034281	$0.03
324	Sales Expense	D324*E317		0.011333	$0.01
325	Product Advertising Expense	D325*E317		0.000000	$0.00
326	Business Fees (Other Operating Taxes)	D326*Sum(E317:E325)		0.001848	$0.00
327	***Total Marketing & Business Fees***	Sum(E323:E326)			$0.04
328					
329	***Sub-Total Direct Cost & Marketing***	E317+E327			$0.87
330					
331	***Other Direct Expenses***				
332	Network Operations	D332*E329		0.050289	$0.04
333	Network Support Assets	D333*E329		0.015375	$0.01
334	General Support Assets	D334*E329		0.080638	$0.07
335	General Purpose Computers	D335*E329		0.036437	$0.03
336	Uncollectible	D336*E329		0.001017	$0.00
337	Accounting & Finance Expense	D337*E329		0.007523	$0.01
338	Human Resources Expense	D338*E329		0.007263	$0.01
339	Information Management Expense	D339*E329		0.051570	$0.05
340	Intangibles	D340*E329		0.002516	$0.00
341	***Total Other Direct Expenses***	Sum(E332:E340)			$0.22
342					
343	***TELRIC***	E332+E341			$1.09
344					
345	***Common***				
346	Executive Expense	D346*E343		0.005786	$0.01
347	Planning Expense	D347*E343		0.000498	$0.00
348	External Relations Expense	D348*E343		0.008170	$0.01
349	Legal Expense	D349*E343		0.005352	$0.01
350	Other Procurement Expense	D350*E343		0.002025	$0.00
351	Research & Development Expense	D351*E343		0.000031	$0.00
352	Other General and Admin Expense	D352*E343		0.015781	$0.02
353	***Common Costs***	Sum(E346:E352)			$0.04
354					
355	***TELRIC + Common Costs***	E343+E353			$1.14

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Unit Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Total Minutes	Hourly Rate	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
AUDIBLE MESSAGE WAITING									
ADD									
-RCMAC									
1st probability is % by switch type									
Translations - SW1	1	0.660					0.66	$43.81	$0.48
Translations - SW2	1	0.340					0.34	$43.81	$0.25
Subtotal - RCMAC							1.00		$0.73
Total For Service:							1.00		$0.73

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

AUDIBLE MESSAGE WAITING (con't)

407	**Direct Cost**			$0.76
408				
409		Cost Calculation	Cost Factor	Cost
410		B	D	E
411				
412	***Marketing & Business Fees***			
413	Product Management Expense	D413*E407	0.034281	$0.03
414	Sales Expense	D414*E407	0.011333	$0.01
415	Product Advertising Expense	D415*E407	0.000000	$0.00
416	Business Fees (Other Operating Taxes)	D416*Sum(E407:E415)	0.001848	$0.00
417	***Total Marketing & Business Fees***	Sum(E413:E416)		$0.03
418				
419	***Sub-Total Direct Cost & Marketing***	E407+E417		$0.76
420				
421	***Other Direct Expenses***			
422	Network Operations	D422*E419	0.050289	$0.04
423	Network Support Assets	D423*E419	0.015375	$0.01
424	General Support Assets	D424*E419	0.080638	$0.06
425	General Purpose Computers	D425*E419	0.036437	$0.03
426	Uncollectible	D426*E419	0.001017	$0.00
427	Accounting & Finance Expense	D427*E419	0.007523	$0.01
428	Human Resources Expense	D428*E419	0.007263	$0.01
429	Information Management Expense	D429*E419	0.051570	$0.04
430	Intangibles	D430*E419	0.002516	$0.00
431	***Total Other Direct Expenses***	Sum(E422:E430)		$0.19
432				
433	***TELRIC***	E422+E431		$0.96
434				
435	***Common***			
436	Executive Expense	D436*E433	0.005786	$0.01
437	Planning Expense	D437*E433	0.000498	$0.00
438	External Relations Expense	D438*E433	0.008170	$0.01
439	Legal Expense	D439*E433	0.005352	$0.01
440	Other Procurement Expense	D440*E433	0.002025	$0.00
441	Research & Development Expense	D441*E433	0.000031	$0.00
442	Other General and Admin Expense	D442*E433	0.015781	$0.02
443	***Common Costs***	Sum(E436:E442)		$0.04
444				
445	***TELRIC + Common Costs***	E433+E443		$0.99

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
AUTHORIZATION CODES - PER SYSTEM								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
-NROC								
1st probability is % by switch type								
Administration - sw1	150	0.660				99.00	$41.45	$68.39
Maintenance - sw1	140	0.660				92.40	$41.45	$63.83
Administration - sw2	70	0.340				23.80	$41.45	$16.44
Maintenance - sw2	100	0.340				34.00	$41.45	$23.49
Subtotal - NROC						**249.20**		**$172.16**
Total For Service:						**249.86**		**$172.64**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

AUTHORIZATION CODES - PER SYSTEM (con't)

497	***Direct Cost***				$172.94
498					
499		Cost Calculation		Cost Factor	Cost
500		B	C	D	E
501					
502	***Marketing & Business Fees***				
503	Product Management Expense	D503*E497		0.034281	$5.92
504	Sales Expense	D504*E497		0.011333	$1.96
505	Product Advertising Expense	D505*E497		0.000000	$0.00
506	Business Fees (Other Operating Taxes)	D506*Sum(E497:E505)		0.001848	$0.33
507	***Total Marketing & Business Fees***	Sum(E503:E506)			$8.21
508					
509	***Sub-Total Direct Cost & Marketing***	E497+E507			$180.85
510					
511	***Other Direct Expenses***				
512	Network Operations	D512*E509		0.050289	$9.09
513	Network Support Assets	D513*E509		0.015375	$2.78
514	General Support Assets	D514*E509		0.080638	$14.58
515	General Purpose Computers	D515*E509		0.036437	$6.59
516	Uncollectible	D516*E509		0.001017	$0.18
517	Accounting & Finance Expense	D517*E509		0.007523	$1.36
518	Human Resources Expense	D518*E509		0.007263	$1.31
519	Information Management Expense	D519*E509		0.051570	$9.33
520	Intangibles	D520*E509		0.002516	$0.46
521	***Total Other Direct Expenses***	Sum(E512:E520)			$45.69
522					
523	***TELRIC***	E512+E521			$226.53
524					
525	***Common***				
526	Executive Expense	D526*E523		0.005786	$1.31
527	Planning Expense	D527*E523		0.000498	$0.11
528	External Relations Expense	D528*E523		0.008170	$1.85
529	Legal Expense	D529*E523		0.005352	$1.21
530	Other Procurement Expense	D530*E523		0.002025	$0.46
531	Research & Development Expense	D531*E523		0.000031	$0.01
532	Other General and Admin Expense	D532*E523		0.015781	$3.57
533	***Common Costs***	Sum(E526:E532)			$8.53
534					
535	***TELRIC + Common Costs***	E523+E533			$235.06

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
AUTOMATIC LINE, per station line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						0.34		$0.25
Total For Service:						0.34		$0.25

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

AUTOMATIC LINE, per station line (con't)

587	**Direct Cost**				$0.25
588					
589					
590		Cost Calculation		Cost Factor	Cost
591		B	C	D	E
592	***Marketing & Business Fees***				
593	Product Management Expense	D593*E587		0.034281	$0.01
594	Sales Expense	D594*E587		0.011333	$0.00
595	Product Advertising Expense	D595*E587		0.000000	$0.00
596	Business Fees (Other Operating Taxes)	D596*Sum(E587:E595)		0.001848	$0.00
597	***Total Marketing & Business Fees***	Sum(E593:E596)			$0.01
598					
599	***Sub-Total Direct Cost & Marketing***	E587+E597			$0.26
600					
601	***Other Direct Expenses***				
602	Network Operations	D602*E599		0.050289	$0.01
603	Network Support Assets	D603*E599		0.015375	$0.00
604	General Support Assets	D604*E599		0.080638	$0.02
605	General Purpose Computers	D605*E599		0.036437	$0.01
606	Uncollectible	D606*E599		0.001017	$0.00
607	Accounting & Finance Expense	D607*E599		0.007523	$0.00
608	Human Resources Expense	D608*E599		0.007263	$0.00
609	Information Management Expense	D609*E599		0.051570	$0.01
610	Intangibles	D610*E599		0.002516	$0.00
611	***Total Other Direct Expenses***	Sum(E602:E610)			$0.07
612					
613	***TELRIC***	E602+E611			$0.33
614					
615	***Common***				
616	Executive Expense	D616*E613		0.005786	$0.00
617	Planning Expense	D617*E613		0.000498	$0.00
618	External Relations Expense	D618*E613		0.008170	$0.00
619	Legal Expense	D619*E613		0.005352	$0.00
620	Other Procurement Expense	D620*E613		0.002025	$0.00
621	Research & Development Expense	D621*E613		0.000031	$0.00
622	Other General and Admin Expense	D622*E613		0.015781	$0.01
623	***Common Costs***	Sum(E616:E622)			$0.01
624					
625	***TELRIC + Common Costs***	E613+E623			$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ARS - COMMON EQUIPMENT, per system								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	1590	0.660				1049.40	$41.45	$724.96
Maintenance - sw1	1575	0.660				1039.50	$41.45	$718.12
Administration - sw2	125	0.340				42.50	$41.45	$29.36
Maintenance - sw2	180	0.340				61.20	$41.45	$42.28
Subtotal - NROC						**2,192.60**		**$1,514.72**
Total For Service:						**2,192.60**		**$1,514.72**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

ARS - COMMON EQUIPMENT, per system (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
677	**Direct Cost**			$1,514.72
678				
679				
680				
681				
682	***Marketing & Business Fees***			
683	Product Management Expense	D683*E677	0.034281	$51.93
684	Sales Expense	D684*E677	0.011333	$17.17
685	Product Advertising Expense	D685*E677	0.000000	$0.00
686	Business Fees (Other Operating Taxes)	D686*Sum(E677:E685)	0.001848	$2.93
687	***Total Marketing & Business Fees***	Sum(E683:E686)		$72.02
688				
689	***Sub-Total Direct Cost & Marketing***	E677+E687		$1,586.74
690				
691	***Other Direct Expenses***			
692	Network Operations	D692*E689	0.050289	$79.80
693	Network Support Assets	D693*E689	0.015375	$24.40
694	General Support Assets	D694*E689	0.080638	$127.95
695	General Purpose Computers	D695*E689	0.036437	$57.82
696	Uncollectible	D696*E689	0.001017	$1.61
697	Accounting & Finance Expense	D697*E689	0.007523	$11.94
698	Human Resources Expense	D698*E689	0.007263	$11.52
699	Information Management Expense	D699*E689	0.051570	$81.83
700	Intangibles	D700*E689	0.002516	$3.99
701	***Total Other Direct Expenses***	Sum(E692:E700)		$400.86
702				
703	***TELRIC***	E692+E701		$1,987.60
704				
705	***Common***			
706	Executive Expense	D706*E703	0.005786	$11.50
707	Planning Expense	D707*E703	0.000498	$0.99
708	External Relations Expense	D708*E703	0.008170	$16.24
709	Legal Expense	D709*E703	0.005352	$10.64
710	Other Procurement Expense	D710*E703	0.002025	$4.02
711	Research & Development Expense	D711*E703	0.000031	$0.06
712	Other General and Admin Expense	D712*E703	0.015781	$31.37
713	***Common Costs***	Sum(E706:E712)		$74.82
714				
715	***TELRIC + Common Costs***	E703+E713		$2,062.41

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

[illegible]	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)
CALL DROP									
ADD									
-RCMAC									
1st probability is % by switch type									
Translations - SW2		1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC							0.34		$0.25
Total For Service:							0.34		$0.25

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Work Item	Time Minutes	Prob	Disc	Prob	Prob	Adj	Labor	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CALL DROP (con't)

		Cost Calculation	Cost Factor	Direct Cost
767	Direct Cost			Direct
768				
769		Cost Calculation	Cost Factor	Direct Cost
770				
771		B	C	D	E
772	***Marketing & Business Fees***			
773	Product Management Expense	D773*E767	0.034281	$0.01
774	Sales Expense	D774*E767	0.011333	$0.00
775	Product Advertising Expense	D775*E767	0.000000	$0.00
776	Business Fees (Other Operating Taxes)	D776*Sum(E767:E775)	0.001848	$0.00
777	***Total Marketing & Business Fees***	Sum(E773:E776)		$0.01
778				
779	***Sub-Total Direct Cost & Marketing***	E767+E777		$0.26
780				
781	***Other Direct Expenses***			
782	Network Operations	D782*E779	0.050289	$0.01
783	Network Support Assets	D783*E779	0.015375	$0.00
784	General Support Assets	D784*E779	0.080638	$0.02
785	General Purpose Computers	D785*E779	0.036437	$0.01
786	Uncollectible	D786*E779	0.001017	$0.00
787	Accounting & Finance Expense	D787*E779	0.007523	$0.00
788	Human Resources Expense	D788*E779	0.007263	$0.00
789	Information Management Expense	D789*E779	0.051570	$0.01
790	Intangibles	D790*E779	0.002516	$0.00
791	***Total Other Direct Expenses***	Sum(E782:E790)		$0.07
792				
793	***TELRIC***	E782+E791		$0.33
794				
795	***Common***			
796	Executive Expense	D796*E793	0.005786	$0.00
797	Planning Expense	D797*E793	0.000498	$0.00
798	External Relations Expense	D798*E793	0.008170	$0.00
799	Legal Expense	D799*E793	0.005352	$0.00
800	Other Procurement Expense	D800*E793	0.002025	$0.00
801	Research & Development Expense	D801*E793	0.000031	$0.00
802	Other General and Admin Expense	D802*E793	0.015781	$0.01
803	***Common Costs***	Sum(E796:E802)		$0.01
804				
805	***TELRIC + Common Costs***	E793+E803		$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CALL EXCLUSION - AUTOMATIC								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
Total For Service:						1.00		$0.73

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor $/Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CALL EXCLUSION - AUTOMATIC (con't)

857	**Direct Cost**				$0.73
858					
859		Cost Calculation		Cost Factor	Cost
860		B	C	D	E
861					
862	***Marketing & Business Fees***				
863	Product Management Expense	D863*E857		0.034281	$0.03
864	Sales Expense	D864*E857		0.011333	$0.01
865	Product Advertising Expense	D865*E857		0.000000	$0.00
866	Business Fees (Other Operating Taxes)	D866*Sum(E857:E865)		0.001848	$0.00
867	***Total Marketing & Business Fees***	Sum(E863:E866)			$0.03
868					
869	***Sub-Total Direct Cost & Marketing***	E857+E867			$0.76
870					
871	***Other Direct Expenses***				
872	Network Operations	D872*E869		0.050289	$0.04
873	Network Support Assets	D873*E869		0.015375	$0.01
874	General Support Assets	D874*E869		0.080638	$0.06
875	General Purpose Computers	D875*E869		0.036437	$0.03
876	Uncollectible	D876*E869		0.001017	$0.00
877	Accounting & Finance Expense	D877*E869		0.007523	$0.01
878	Human Resources Expense	D878*E869		0.007263	$0.01
879	Information Management Expense	D879*E869		0.051570	$0.04
880	Intangibles	D880*E869		0.002516	$0.00
881	***Total Other Direct Expenses***	Sum(E872:E880)			$0.19
882					
883	***TELRIC***	E872+E881			$0.96
884					
885	***Common***				
886	Executive Expense	D886*E883		0.005786	$0.01
887	Planning Expense	D887*E883		0.000498	$0.00
888	External Relations Expense	D888*E883		0.008170	$0.01
889	Legal Expense	D889*E883		0.005352	$0.01
890	Other Procurement Expense	D890*E883		0.002025	$0.00
891	Research & Development Expense	D891*E883		0.000031	$0.00
892	Other General and Admin Expense	D892*E883		0.015781	$0.02
893	***Common Costs***	Sum(E886:E892)			$0.04
894					
895	***TELRIC + Common Costs***	E883+E893			$0.99

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CALL EXCLUSION								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
Total For Service:						**0.66**		**$0.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor $/Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CALL EXCLUSION (con't)

947	Direct Cost				$0.48
948					
949		Cost Calculation		Cost Factor	Cost
950		B	C	D	E
951					
952	***Marketing & Business Fees***				
953	Product Management Expense	D953*E947		0.034281	$0.02
954	Sales Expense	D954*E947		0.011333	$0.01
955	Product Advertising Expense	D955*E947		0.000000	$0.00
956	Business Fees (Other Operating Taxes)	D956*Sum(E947:E955)		0.001848	$0.00
957	***Total Marketing & Business Fees***	Sum(E953:E956)			$0.02
958					
959	***Sub-Total Direct Cost & Marketing***	E947+E957			$0.50
960					
961	***Other Direct Expenses***				
962	Network Operations	D962*E959		0.050289	$0.03
963	Network Support Assets	D963*E959		0.015375	$0.01
964	General Support Assets	D964*E959		0.080638	$0.04
965	General Purpose Computers	D965*E959		0.036437	$0.02
966	Uncollectible	D966*E959		0.001017	$0.00
967	Accounting & Finance Expense	D967*E959		0.007523	$0.00
968	Human Resources Expense	D968*E959		0.007263	$0.00
969	Information Management Expense	D969*E959		0.051570	$0.03
970	Intangibles	D970*E959		0.002516	$0.00
971	***Total Other Direct Expenses***	Sum(E962:E970)			$0.13
972					
973	***TELRIC***	E962+E971			$0.63
974					
975	***Common***				
976	Executive Expense	D976*E973		0.005786	$0.00
977	Planning Expense	D977*E973		0.000498	$0.00
978	External Relations Expense	D978*E973		0.008170	$0.01
979	Legal Expense	D979*E973		0.005352	$0.00
980	Other Procurement Expense	D980*E973		0.002025	$0.00
981	Research & Development Expense	D981*E973		0.000031	$0.00
982	Other General and Admin Expense	D982*E973		0.015781	$0.01
983	***Common Costs***	Sum(E976:E982)			$0.02
984					
985	***TELRIC + Common Costs***	E973+E983			$0.66

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE								
ADD								
-RCMAC								
1st probability % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
Total For Service:						1.00		$0.73

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Rate	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	I
1037	Direct Cost			$0.73
1038				
1039				
1040				
1041				
1042	***Marketing & Business Fees***			
1043	Product Management Expense	D1043*E1037	0.034281	$0.03
1044	Sales Expense	D1044*E1037	0.011333	$0.01
1045	Product Advertising Expense	D1045*E1037	0.000000	$0.00
1046	Business Fees (Other Operating Taxes)	D1046*Sum(E1037:E1045)	0.001848	$0.00
1047	***Total Marketing & Business Fees***	Sum(E1043:E1046)		$0.03
1048				
1049	***Sub-Total Direct Cost & Marketing***	E1037+E1047		$0.76
1050				
1051	***Other Direct Expenses***			
1052	Network Operations	D1052*E1049	0.050289	$0.04
1053	Network Support Assets	D1053*E1049	0.015375	$0.01
1054	General Support Assets	D1054*E1049	0.080638	$0.06
1055	General Purpose Computers	D1055*E1049	0.036437	$0.03
1056	Uncollectible	D1056*E1049	0.001017	$0.00
1057	Accounting & Finance Expense	D1057*E1049	0.007523	$0.01
1058	Human Resources Expense	D1058*E1049	0.007263	$0.01
1059	Information Management Expense	D1059*E1049	0.051570	$0.04
1060	Intangibles	D1060*E1049	0.002516	$0.00
1061	***Total Other Direct Expenses***	Sum(E1052:E1060)		$0.19
1062				
1063	***TELRIC***	E1052+E1061		$0.96
1064				
1065	***Common***			
1066	Executive Expense	D1066*E1063	0.005786	$0.01
1067	Planning Expense	D1067*E1063	0.000498	$0.00
1068	External Relations Expense	D1068*E1063	0.008170	$0.01
1069	Legal Expense	D1069*E1063	0.005352	$0.01
1070	Other Procurement Expense	D1070*E1063	0.002025	$0.00
1071	Research & Development Expense	D1071*E1063	0.000031	$0.00
1072	Other General and Admin Expense	D1072*E1063	0.015781	$0.02
1073	***Common Costs***	Sum(E1066:E1072)		$0.04
1074				
1075	***TELRIC + Common Costs***	E1063+E1073		$0.99

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT								
ADD								
-RCMAC								
1st probability % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability % by switch type								
Administration - DMS	20	0.340				6.80	$41.45	$4.70
Maintenance - DMS	25	0.340				8.50	$41.45	$5.87
Subtotal - NROC						15.30		$10.57
Total For Service:						16.30		$11.30

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT (con't)

		Cost Calculation	Cost Factor	Cost
1127	Direct Cost			$11.30
1128				
1129				
1130				
1131		B	D	E
1132	***Marketing & Business Fees***			
1133	Product Management Expense	D1133*E1127	0.034281	$0.39
1134	Sales Expense	D1134*E1127	0.011333	$0.13
1135	Product Advertising Expense	D1135*E1127	0.000000	$0.00
1136	Business Fees (Other Operating Taxes)	D1136*Sum(E1127:E1135)	0.001848	$0.02
1137	***Total Marketing & Business Fees***	Sum(E1133:E1136)		$0.54
1138				
1139	***Sub-Total Direct Cost & Marketing***	E1127+E1137		$11.84
1140				
1141	***Other Direct Expenses***			
1142	Network Operations	D1142*E1139	0.050289	$0.60
1143	Network Support Assets	D1143*E1139	0.015375	$0.18
1144	General Support Assets	D1144*E1139	0.080638	$0.95
1145	General Purpose Computers	D1145*E1139	0.036437	$0.43
1146	Uncollectible	D1146*E1139	0.001017	$0.01
1147	Accounting & Finance Expense	D1147*E1139	0.007523	$0.09
1148	Human Resources Expense	D1148*E1139	0.007263	$0.09
1149	Information Management Expense	D1149*E1139	0.051570	$0.61
1150	Intangibles	D1150*E1139	0.002516	$0.03
1151	***Total Other Direct Expenses***	Sum(E1142:E1150)		$2.99
1152				
1153	***TELRIC***	E1142+E1151		$14.83
1154				
1155	***Common***			
1156	Executive Expense	D1156*E1153	0.005786	$0.09
1157	Planning Expense	D1157*E1153	0.000498	$0.01
1158	External Relations Expense	D1158*E1153	0.008170	$0.12
1159	Legal Expense	D1159*E1153	0.005352	$0.08
1160	Other Procurement Expense	D1160*E1153	0.002025	$0.03
1161	Research & Development Expense	D1161*E1153	0.000031	$0.00
1162	Other General and Admin Expense	D1162*E1153	0.015781	$0.23
1163	***Common Costs***	Sum(E1156:E1162)		$0.56
1164				
1165	***TELRIC + Common Costs***	E1153+E1163		$15.39

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CALL WAITING INDICATION, per unique timing state, per timing state								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
Total For Service:						1.00		$0.73

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CALL WAITING INDICATION, per unique timing state, per timing state (con't)

1217	**Direct Cost**			
1218				
1219		Cost Calculation	Factor	Cost
1220				
1221				
1222	***Marketing & Business Fees***			
1223	Product Management Expense	D1223*E1217	0.034281	$0.03
1224	Sales Expense	D1224*E1217	0.011333	$0.01
1225	Product Advertising Expense	D1225*E1217	0.000000	$0.00
1226	Business Fees (Other Operating Taxes)	D1226*Sum(E1217:E1225)	0.001848	$0.00
1227	***Total Marketing & Business Fees***	Sum(E1223:E1226)		$0.03
1228				
1229	***Sub-Total Direct Cost & Marketing***	E1217+E1227		$0.76
1230				
1231	***Other Direct Expenses***			
1232	Network Operations	D1232*E1229	0.050289	$0.04
1233	Network Support Assets	D1233*E1229	0.015375	$0.01
1234	General Support Assets	D1234*E1229	0.080638	$0.06
1235	General Purpose Computers	D1235*E1229	0.036437	$0.03
1236	Uncollectible	D1236*E1229	0.001017	$0.00
1237	Accounting & Finance Expense	D1237*E1229	0.007523	$0.01
1238	Human Resources Expense	D1238*E1229	0.007263	$0.01
1239	Information Management Expense	D1239*E1229	0.051570	$0.04
1240	Intangibles	D1240*E1229	0.002516	$0.00
1241	***Total Other Direct Expenses***	Sum(E1232:E1240)		$0.19
1242				
1243	***TELRIC***	E1232+E1241		$0.96
1244				
1245	***Common***			
1246	Executive Expense	D1246*E1243	0.005786	$0.01
1247	Planning Expense	D1247*E1243	0.000498	$0.00
1248	External Relations Expense	D1248*E1243	0.008170	$0.01
1249	Legal Expense	D1249*E1243	0.005352	$0.01
1250	Other Procurement Expense	D1250*E1243	0.002025	$0.00
1251	Research & Development Expense	D1251*E1243	0.000031	$0.00
1252	Other General and Admin Expense	D1252*E1243	0.015781	$0.02
1253	***Common Costs***	Sum(E1246:E1252)		$0.04
1254				
1255	***TELRIC + Common Costs***	E1243+E1253		$0.99

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	B	C	D	E	F	G	H	I
A						B * (C Thru F)		H * (G/60)
CFBL INCOMING ONLY								
ADD								
-NROC								
1st probability % by switch type								
Administration - 5E	30	0.660				19.80	$41.45	$13.68
Maintenance - 5E	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						39.60		$27.36
Total For Service:						39.60		$27.36

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CFBL INCOMING ONLY (con't)

1307	**Direct Cost**			[illegible]
1308				
1309		**Cost Calculation**	**Cost Factor**	**Cost**
1310				
1311		**B**	**C**	**D**	**E**
1312	***Marketing & Business Fees***			
1313	Product Management Expense	D1313*E1307	0.034281	$0.94
1314	Sales Expense	D1314*E1307	0.011333	$0.31
1315	Product Advertising Expense	D1315*E1307	0.000000	$0.00
1316	Business Fees (Other Operating Taxes)	D1316*Sum(E1307:E1315)	0.001848	$0.05
1317	***Total Marketing & Business Fees***	Sum(E1313:E1316)		$1.30
1318				
1319	***Sub-Total Direct Cost & Marketing***	E1307+E1317		$28.66
1320				
1321	***Other Direct Expenses***			
1322	Network Operations	D1322*E1319	0.050289	$1.44
1323	Network Support Assets	D1323*E1319	0.015375	$0.44
1324	General Support Assets	D1324*E1319	0.080638	$2.31
1325	General Purpose Computers	D1325*E1319	0.036437	$1.04
1326	Uncollectible	D1326*E1319	0.001017	$0.03
1327	Accounting & Finance Expense	D1327*E1319	0.007523	$0.22
1328	Human Resources Expense	D1328*E1319	0.007263	$0.21
1329	Information Management Expense	D1329*E1319	0.051570	$1.48
1330	Intangibles	D1330*E1319	0.002516	$0.07
1331	***Total Other Direct Expenses***	Sum(E1322:E1330)		$7.24
1332				
1333	***TELRIC***	E1322+E1331		$35.90
1334				
1335	***Common***			
1336	Executive Expense	D1336*E1333	0.005786	$0.21
1337	Planning Expense	D1337*E1333	0.000498	$0.02
1338	External Relations Expense	D1338*E1333	0.008170	$0.29
1339	Legal Expense	D1339*E1333	0.005352	$0.19
1340	Other Procurement Expense	D1340*E1333	0.002025	$0.07
1341	Research & Development Expense	D1341*E1333	0.000031	$0.00
1342	Other General and Admin Expense	D1342*E1333	0.015781	$0.57
1343	***Common Costs***	Sum(E1336:E1342)		$1.35
1344				
1345	***TELRIC + Common Costs***	E1333+E1343		$37.25

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CFDA INCOMING ONLY								
ADD								
-NROC								
1st probability % by switch type								
Administration - 5E	30	0.660				19.80	$41.45	$13.68
Maintenance - 5E	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						**39.60**		**$27.36**
Total For Service:						**39.60**		**$27.36**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CFDA INCOMING ONLY (con't)

1397	**Direct Cost**			$27.36
1398				
1399				
1400		Cost Calculation	Cost Factor	Cost
1401		B	D	E
1402	***Marketing & Business Fees***			
1403	Product Management Expense	D1403*E1397	0.034281	$0.94
1404	Sales Expense	D1404*E1397	0.011333	$0.31
1405	Product Advertising Expense	D1405*E1397	0.000000	$0.00
1406	Business Fees (Other Operating Taxes)	D1406*Sum(E1397:E1405)	0.001848	$0.05
1407	***Total Marketing & Business Fees***	Sum(E1403:E1406)		$1.30
1408				
1409	***Sub-Total Direct Cost & Marketing***	E1397+E1407		$28.66
1410				
1411	***Other Direct Expenses***			
1412	Network Operations	D1412*E1409	0.050289	$1.44
1413	Network Support Assets	D1413*E1409	0.015375	$0.44
1414	General Support Assets	D1414*E1409	0.080638	$2.31
1415	General Purpose Computers	D1415*E1409	0.036437	$1.04
1416	Uncollectible	D1416*E1409	0.001017	$0.03
1417	Accounting & Finance Expense	D1417*E1409	0.007523	$0.22
1418	Human Resources Expense	D1418*E1409	0.007263	$0.21
1419	Information Management Expense	D1419*E1409	0.051570	$1.48
1420	Intangibles	D1420*E1409	0.002516	$0.07
1421	***Total Other Direct Expenses***	Sum(E1412:E1420)		$7.24
1422				
1423	***TELRIC***	E1412+E1421		$35.90
1424				
1425	***Common***			
1426	Executive Expense	D1426*E1423	0.005786	$0.21
1427	Planning Expense	D1427*E1423	0.000498	$0.02
1428	External Relations Expense	D1428*E1423	0.008170	$0.29
1429	Legal Expense	D1429*E1423	0.005352	$0.19
1430	Other Procurement Expense	D1430*E1423	0.002025	$0.07
1431	Research & Development Expense	D1431*E1423	0.000031	$0.00
1432	Other General and Admin Expense	D1432*E1423	0.015781	$0.57
1433	***Common Costs***	Sum(E1426:E1432)		$1.35
1434				
1435	***TELRIC + Common Costs***	E1423+E1433		$37.25

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CLASS - CONTINUOUS REDIAL, PER NUIMBER								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**1.00**		**$0.73**
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd column = % by switch type								
Administration - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Maintenance - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Administration - sw2	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	40	0.005	0.340			0.07	$41.45	$0.05
Subtotal - NROC						**0.26**		**$0.18**
Total For Service:						**1.26**		**$0.91**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CLASS - CONTINUOUS REDIAL, PER NUMBER (con't)

		Cost Calculation B	Cost Factor D	Cost E
1487	**Direct Cost**			$0.91
1488				
1489				
1490				
1491				
1492	***Marketing & Business Fees***			
1493	Product Management Expense	D1493*E1487	0.034281	$0.03
1494	Sales Expense	D1494*E1487	0.011333	$0.01
1495	Product Advertising Expense	D1495*E1487	0.000000	$0.00
1496	Business Fees (Other Operating Taxes)	D1496*Sum(E1487:E1495)	0.001848	$0.00
1497	***Total Marketing & Business Fees***	Sum(E1493:E1496)		$0.04
1498				
1499	***Sub-Total Direct Cost & Marketing***	E1487+E1497		$0.95
1500				
1501	***Other Direct Expenses***			
1502	Network Operations	D1502*E1499	0.050289	$0.05
1503	Network Support Assets	D1503*E1499	0.015375	$0.01
1504	General Support Assets	D1504*E1499	0.080638	$0.08
1505	General Purpose Computers	D1505*E1499	0.036437	$0.03
1506	Uncollectible	D1506*E1499	0.001017	$0.00
1507	Accounting & Finance Expense	D1507*E1499	0.007523	$0.01
1508	Human Resources Expense	D1508*E1499	0.007263	$0.01
1509	Information Management Expense	D1509*E1499	0.051570	$0.05
1510	Intangibles	D1510*E1499	0.002516	$0.00
1511	***Total Other Direct Expenses***	Sum(E1502:E1510)		$0.24
1512				
1513	***TELRIC***	E1502+E1511		$1.19
1514				
1515	***Common***			
1516	Executive Expense	D1516*E1513	0.005786	$0.01
1517	Planning Expense	D1517*E1513	0.000498	$0.00
1518	External Relations Expense	D1518*E1513	0.008170	$0.01
1519	Legal Expense	D1519*E1513	0.005352	$0.01
1520	Other Procurement Expense	D1520*E1513	0.002025	$0.00
1521	Research & Development Expense	D1521*E1513	0.000031	$0.00
1522	Other General and Admin Expense	D1522*E1513	0.015781	$0.02
1523	***Common Costs***	Sum(E1516:E1522)		$0.04
1524				
1525	***TELRIC + Common Costs***	E1513+E1523		$1.24

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CLASS - LAST CALL RETURN, PER NUMBER								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd column = % by switch type								
Administration - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Maintenance - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Administration - sw2	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	45	0.005	0.340			0.08	$41.45	$0.05
Subtotal - NROC						0.27		$0.19
Total For Service:						1.27		$0.92

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CLASS - LAST CALL RETURN, PER NUMBER (con't)

1577	***Direct Cost***				$0.92
1578					
1579					
1580		Cost Calculation		Cost Factor	Cost
1581		B	C	D	E
1582	***Marketing & Business Fees***				
1583	Product Management Expense	D1583*E1577		0.034281	$0.03
1584	Sales Expense	D1584*E1577		0.011333	$0.01
1585	Product Advertising Expense	D1585*E1577		0.000000	$0.00
1586	Business Fees (Other Operating Taxes)	D1586*Sum(E1577:E1585)		0.001848	$0.00
1587	***Total Marketing & Business Fees***	Sum(E1583:E1586)			$0.04
1588					
1589	***Sub-Total Direct Cost & Marketing***	E1577+E1587			$0.96
1590					
1591	***Other Direct Expenses***				
1592	Network Operations	D1592*E1589		0.050289	$0.05
1593	Network Support Assets	D1593*E1589		0.015375	$0.01
1594	General Support Assets	D1594*E1589		0.080638	$0.08
1595	General Purpose Computers	D1595*E1589		0.036437	$0.03
1596	Uncollectible	D1596*E1589		0.001017	$0.00
1597	Accounting & Finance Expense	D1597*E1589		0.007523	$0.01
1598	Human Resources Expense	D1598*E1589		0.007263	$0.01
1599	Information Management Expense	D1599*E1589		0.051570	$0.05
1600	Intangibles	D1600*E1589		0.002516	$0.00
1601	***Total Other Direct Expenses***	Sum(E1592:E1600)			$0.24
1602					
1603	***TELRIC***	E1592+E1601			$1.20
1604					
1605	***Common***				
1606	Executive Expense	D1606*E1603		0.005786	$0.01
1607	Planning Expense	D1607*E1603		0.000498	$0.00
1608	External Relations Expense	D1608*E1603		0.008170	$0.01
1609	Legal Expense	D1609*E1603		0.005352	$0.01
1610	Other Procurement Expense	D1610*E1603		0.002025	$0.00
1611	Research & Development Expense	D1611*E1603		0.000031	$0.00
1612	Other General and Admin Expense	D1612*E1603		0.015781	$0.02
1613	***Common Costs***	Sum(E1606:E1612)			$0.05
1614					
1615	***TELRIC + Common Costs***	E1603+E1613			$1.25

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob. #1	Prob. #2	Prob. #3	Prob. #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CLASS - PRIORITY CALLING, PER NUMBER								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**1.00**		**$0.73**
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd column = % by switch type								
Administration - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Maintenance - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Administration - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.20**		**$0.14**
Total For Service:						**1.20**		**$0.87**

Work Item	Time Required Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - PRIORITY CALLING, PER NUMBER (con't)

		Cost Calculation	Cost Factor	Cost
		B	C	D
1667	Direct Cost			$1.87
1668				
1669				
1670				
1671				
1672	***Marketing & Business Fees***			
1673	Product Management Expense	D1673*E1667	0.034281	$0.03
1674	Sales Expense	D1674*E1667	0.011333	$0.01
1675	Product Advertising Expense	D1675*E1667	0.000000	$0.00
1676	Business Fees (Other Operating Taxes)	D1676*Sum(E1667:E1675)	0.001848	$0.00
1677	***Total Marketing & Business Fees***	Sum(E1673:E1676)		$0.04
1678				
1679	***Sub-Total Direct Cost & Marketing***	E1667+E1677		$0.91
1680				
1681	***Other Direct Expenses***			
1682	Network Operations	D1682*E1679	0.050289	$0.05
1683	Network Support Assets	D1683*E1679	0.015375	$0.01
1684	General Support Assets	D1684*E1679	0.080638	$0.07
1685	General Purpose Computers	D1685*E1679	0.036437	$0.03
1686	Uncollectible	D1686*E1679	0.001017	$0.00
1687	Accounting & Finance Expense	D1687*E1679	0.007523	$0.01
1688	Human Resources Expense	D1688*E1679	0.007263	$0.01
1689	Information Management Expense	D1689*E1679	0.051570	$0.05
1690	Intangibles	D1690*E1679	0.002516	$0.00
1691	***Total Other Direct Expenses***	Sum(E1682:E1690)		$0.23
1692				
1693	***TELRIC***	E1682+E1691		$1.14
1694				
1695	***Common***			
1696	Executive Expense	D1696*E1693	0.005786	$0.01
1697	Planning Expense	D1697*E1693	0.000498	$0.00
1698	External Relations Expense	D1698*E1693	0.008170	$0.01
1699	Legal Expense	D1699*E1693	0.005352	$0.01
1700	Other Procurement Expense	D1700*E1693	0.002025	$0.00
1701	Research & Development Expense	D1701*E1693	0.000031	$0.00
1702	Other General and Admin Expense	D1702*E1693	0.015781	$0.02
1703	***Common Costs***	Sum(E1696:E1702)		$0.04
1704				
1705	***TELRIC + Common Costs***	E1693+E1703		$1.18

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor $/Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd column = % by switch type								
Administration - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Maintenance - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Administration - sw2	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	40	0.005	0.340			0.07	$41.45	$0.05
Subtotal - NROC						0.26		$0.18
Total For Service:						1.26		$0.91

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CLASS - SELECTIVE CALL FORWARDING, PER NUMBER (con't)

1757	Direct Cost				$0.91
1758					
1759		Cost Calculation		Cost Factor	Cost
1760		B	C	D	E
1761					
1762	***Marketing & Business Fees***				
1763	Product Management Expense	D1763*E1757		0.034281	$0.03
1764	Sales Expense	D1764*E1757		0.011333	$0.01
1765	Product Advertising Expense	D1765*E1757		0.000000	$0.00
1766	Business Fees (Other Operating Taxes)	D1766*Sum(E1757:E1765)		0.001848	$0.00
1767	***Total Marketing & Business Fees***	Sum(E1763:E1766)			$0.04
1768					
1769	***Sub-Total Direct Cost & Marketing***	E1757+E1767			$0.95
1770					
1771	***Other Direct Expenses***				
1772	Network Operations	D1772*E1769		0.050289	$0.05
1773	Network Support Assets	D1773*E1769		0.015375	$0.01
1774	General Support Assets	D1774*E1769		0.080638	$0.08
1775	General Purpose Computers	D1775*E1769		0.036437	$0.03
1776	Uncollectible	D1776*E1769		0.001017	$0.00
1777	Accounting & Finance Expense	D1777*E1769		0.007523	$0.01
1778	Human Resources Expense	D1778*E1769		0.007263	$0.01
1779	Information Management Expense	D1779*E1769		0.051570	$0.05
1780	Intangibles	D1780*E1769		0.002516	$0.00
1781	***Total Other Direct Expenses***	Sum(E1772:E1780)			$0.24
1782					
1783	***TELRIC***	E1772+E1781			$1.19
1784					
1785	***Common***				
1786	Executive Expense	D1786*E1783		0.005786	$0.01
1787	Planning Expense	D1787*E1783		0.000498	$0.00
1788	External Relations Expense	D1788*E1783		0.008170	$0.01
1789	Legal Expense	D1789*E1783		0.005352	$0.01
1790	Other Procurement Expense	D1790*E1783		0.002025	$0.00
1791	Research & Development Expense	D1791*E1783		0.000031	$0.00
1792	Other General and Admin Expense	D1792*E1783		0.015781	$0.02
1793	***Common Costs***	Sum(E1786:E1792)			$0.04
1794					
1795	***TELRIC + Common Costs***	E1783+E1793			$1.24

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CLASS - SELECTIVE CALL REJECTION, PER NUMBER								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd column = % by switch type								
Administration - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Maintenance - sw1	20	0.005	0.660			0.07	$41.45	$0.05
Administration - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						0.20		$0.14
Total For Service:						1.20		$0.87

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	A	B	C	D	E	F	G	H	I
		Time Minutes	Prob #1				B * (C Thru F)		H * (G/60)

CLASS - SELECTIVE CALL REJECTION, PER NUMBER (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
1847	Direct Cost				
1848					
1849					
1850					
1851					
1852	***Marketing & Business Fees***				
1853	Product Management Expense	D1853*E1847		0.034281	$0.03
1854	Sales Expense	D1854*E1847		0.011333	$0.01
1855	Product Advertising Expense	D1855*E1847		0.000000	$0.00
1856	Business Fees (Other Operating Taxes)	D1856*Sum(E1847:E1855)		0.001848	$0.00
1857	***Total Marketing & Business Fees***	Sum(E1853:E1856)			$0.04
1858					
1859	***Sub-Total Direct Cost & Marketing***	E1847+E1857			$0.91
1860					
1861	***Other Direct Expenses***				
1862	Network Operations	D1862*E1859		0.050289	$0.05
1863	Network Support Assets	D1863*E1859		0.015375	$0.01
1864	General Support Assets	D1864*E1859		0.080638	$0.07
1865	General Purpose Computers	D1865*E1859		0.036437	$0.03
1866	Uncollectible	D1866*E1859		0.001017	$0.00
1867	Accounting & Finance Expense	D1867*E1859		0.007523	$0.01
1868	Human Resources Expense	D1868*E1859		0.007263	$0.01
1869	Information Management Expense	D1869*E1859		0.051570	$0.05
1870	Intangibles	D1870*E1859		0.002516	$0.00
1871	***Total Other Direct Expenses***	Sum(E1862:E1870)			$0.23
1872					
1873	***TELRIC***	E1862+E1871			$1.14
1874					
1875	***Common***				
1876	Executive Expense	D1876*E1873		0.005786	$0.01
1877	Planning Expense	D1877*E1873		0.000498	$0.00
1878	External Relations Expense	D1878*E1873		0.008170	$0.01
1879	Legal Expense	D1879*E1873		0.005352	$0.01
1880	Other Procurement Expense	D1880*E1873		0.002025	$0.00
1881	Research & Development Expense	D1881*E1873		0.000031	$0.00
1882	Other General and Admin Expense	D1882*E1873		0.015781	$0.02
1883	***Common Costs***	Sum(E1876:E1882)			$0.04
1884					
1885	***TELRIC + Common Costs***	E1873+E1883			$1.18

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob	Work Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CONFERENCE CALLING - MEET ME - PER SYSTEM								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is % by switch type								
Administration - sw1	25	0.660				16.50	$41.45	$11.40
Maintenance - sw1	20	0.660				13.20	$41.45	$9.12
Administration - sw2	20	0.340				6.80	$41.45	$4.70
Maintenance - sw2	20	0.340				6.80	$41.45	$4.70
Subtotal - NROC						43.30		$29.91
Total For Service:						44.30		$30.64

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CONFERENCE CALLING - MEET ME - PER SYSTEM (con't)

		Cost Calculation	Cost Factor	Cost
		B	C	D	E
1937	Direct Cost				$30.64
1938					
1939					
1940					
1941					
1942	***Marketing & Business Fees***				
1943	Product Management Expense	D1943*E1937		0.034281	$1.05
1944	Sales Expense	D1944*E1937		0.011333	$0.35
1945	Product Advertising Expense	D1945*E1937		0.000000	$0.00
1946	Business Fees (Other Operating Taxes)	D1946*Sum(E1937:E1945)		0.001848	$0.06
1947	***Total Marketing & Business Fees***	Sum(E1943:E1946)			$1.46
1948					
1949	***Sub-Total Direct Cost & Marketing***	E1937+E1947			$32.10
1950					
1951	***Other Direct Expenses***				
1952	Network Operations	D1952*E1949		0.050289	$1.61
1953	Network Support Assets	D1953*E1949		0.015375	$0.49
1954	General Support Assets	D1954*E1949		0.080638	$2.59
1955	General Purpose Computers	D1955*E1949		0.036437	$1.17
1956	Uncollectible	D1956*E1949		0.001017	$0.03
1957	Accounting & Finance Expense	D1957*E1949		0.007523	$0.24
1958	Human Resources Expense	D1958*E1949		0.007263	$0.23
1959	Information Management Expense	D1959*E1949		0.051570	$1.66
1960	Intangibles	D1960*E1949		0.002516	$0.08
1961	***Total Other Direct Expenses***	Sum(E1952:E1960)			$8.11
1962					
1963	***TELRIC***	E1952+E1961			$40.21
1964					
1965	***Common***				
1966	Executive Expense	D1966*E1963		0.005786	$0.23
1967	Planning Expense	D1967*E1963		0.000498	$0.02
1968	External Relations Expense	D1968*E1963		0.008170	$0.33
1969	Legal Expense	D1969*E1963		0.005352	$0.22
1970	Other Procurement Expense	D1970*E1963		0.002025	$0.08
1971	Research & Development Expense	D1971*E1963		0.000031	$0.00
1972	Other General and Admin Expense	D1972*E1963		0.015781	$0.63
1973	***Common Costs***	Sum(E1966:E1972)			$1.51
1974					
1975	***TELRIC + Common Costs***	E1963+E1973			$41.72

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CONFERENCE CALLING - PRESET - PER SYSTEM								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is % by switch type								
Administration - sw1	25	0.660				16.50	$41.45	$11.40
Maintenance - sw1	20	0.660				13.20	$41.45	$9.12
Administration - sw2	20	0.340				6.80	$41.45	$4.70
Maintenance - sw2	20	0.340				6.80	$41.45	$4.70
Subtotal - NROC						43.30		$29.91
Total For Service:						44.30		$30.64

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CONFERENCE CALLING - PRESET - PER SYSTEM (con't)

		Cost Calculation	Cost Factor	Cost
		B	C	D	E
2027	**Direct Cost**				$30.61
2028					
2029					
2030					
2031					
2032	***Marketing & Business Fees***				
2033	Product Management Expense	D2033*E2027		0.034281	$1.05
2034	Sales Expense	D2034*E2027		0.011333	$0.35
2035	Product Advertising Expense	D2035*E2027		0.000000	$0.00
2036	Business Fees (Other Operating Taxes)	D2036*Sum(E2027:E2035)		0.001848	$0.06
2037	***Total Marketing & Business Fees***	Sum(E2033:E2036)			$1.46
2038					
2039	***Sub-Total Direct Cost & Marketing***	E2027+E2037			$32.10
2040					
2041	***Other Direct Expenses***				
2042	Network Operations	D2042*E2039		0.050289	$1.61
2043	Network Support Assets	D2043*E2039		0.015375	$0.49
2044	General Support Assets	D2044*E2039		0.080638	$2.59
2045	General Purpose Computers	D2045*E2039		0.036437	$1.17
2046	Uncollectible	D2046*E2039		0.001017	$0.03
2047	Accounting & Finance Expense	D2047*E2039		0.007523	$0.24
2048	Human Resources Expense	D2048*E2039		0.007263	$0.23
2049	Information Management Expense	D2049*E2039		0.051570	$1.66
2050	Intangibles	D2050*E2039		0.002516	$0.08
2051	***Total Other Direct Expenses***	Sum(E2042:E2050)			$8.11
2052					
2053	***TELRIC***	E2042+E2051			$40.21
2054					
2055	***Common***				
2056	Executive Expense	D2056*E2053		0.005786	$0.23
2057	Planning Expense	D2057*E2053		0.000498	$0.02
2058	External Relations Expense	D2058*E2053		0.008170	$0.33
2059	Legal Expense	D2059*E2053		0.005352	$0.22
2060	Other Procurement Expense	D2060*E2053		0.002025	$0.08
2061	Research & Development Expense	D2061*E2053		0.000031	$0.00
2062	Other General and Admin Expense	D2062*E2053		0.015781	$0.63
2063	***Common Costs***	Sum(E2056:E2062)			$1.51
2064					
2065	***TELRIC + Common Costs***	E2053+E2063			$41.72

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DIR STA SEL/BUSY LAMP FLD, per arrangement								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Labor Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DIR STA SEL/BUSY LAMP FLD, per arrangement (con't)

2117	**Direct Cost**			$0.25
2118				
2119		Cost Calculation	Cost Factor	Costs
2120				
2121		B	C	D	E
2122	***Marketing & Business Fees***			
2123	Product Management Expense	D2123*E2117	0.034281	$0.01
2124	Sales Expense	D2124*E2117	0.011333	$0.00
2125	Product Advertising Expense	D2125*E2117	0.000000	$0.00
2126	Business Fees (Other Operating Taxes)	D2126*Sum(E2117:E2125)	0.001848	$0.00
2127	***Total Marketing & Business Fees***	Sum(E2123:E2126)		$0.01
2128				
2129	***Sub-Total Direct Cost & Marketing***	E2117+E2127		$0.26
2130				
2131	***Other Direct Expenses***			
2132	Network Operations	D2132*E2129	0.050289	$0.01
2133	Network Support Assets	D2133*E2129	0.015375	$0.00
2134	General Support Assets	D2134*E2129	0.080638	$0.02
2135	General Purpose Computers	D2135*E2129	0.036437	$0.01
2136	Uncollectible	D2136*E2129	0.001017	$0.00
2137	Accounting & Finance Expense	D2137*E2129	0.007523	$0.00
2138	Human Resources Expense	D2138*E2129	0.007263	$0.00
2139	Information Management Expense	D2139*E2129	0.051570	$0.01
2140	Intangibles	D2140*E2129	0.002516	$0.00
2141	***Total Other Direct Expenses***	Sum(E2132:E2140)		$0.07
2142				
2143	***TELRIC***	E2132+E2141		$0.33
2144				
2145	***Common***			
2146	Executive Expense	D2146*E2143	0.005786	$0.00
2147	Planning Expense	D2147*E2143	0.000498	$0.00
2148	External Relations Expense	D2148*E2143	0.008170	$0.00
2149	Legal Expense	D2149*E2143	0.005352	$0.00
2150	Other Procurement Expense	D2150*E2143	0.002025	$0.00
2151	Research & Development Expense	D2151*E2143	0.000031	$0.00
2152	Other General and Admin Expense	D2152*E2143	0.015781	$0.01
2153	***Common Costs***	Sum(E2146:E2152)		$0.01
2154				
2155	***TELRIC + Common Costs***	E2143+E2153		$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Rate (Hourly)	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DIRECTED CALL PICK UP BARGE-IN								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - 5E	1	0.660				0.66	$43.81	$0.48
Translations - DMS	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-COMPLEX TRANSLATIONS								
1st probability is % by switch type								
Administration - 5E	10	0.660				6.60	$41.45	$4.56
Maintenance - 5E	10	0.660				6.60	$41.45	$4.56
Administration - DMS	10	0.340				3.40	$41.45	$2.35
Maintenance - DMS	10	0.340				3.40	$41.45	$2.35
Subtotal - COMPLEX TRANSLATIONS						20.00		$13.82
Total For Service:						21.00		$14.55

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

DIRECTED CALL PICK UP BARGE-IN (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
2207	***Direct Cost***			$14.55
2208				
2209				
2210				
2211				
2212	***Marketing & Business Fees***			
2213	Product Management Expense	D2213*E2207	0.034281	$0.50
2214	Sales Expense	D2214*E2207	0.011333	$0.16
2215	Product Advertising Expense	D2215*E2207	0.000000	$0.00
2216	Business Fees (Other Operating Taxes)	D2216*Sum(E2207:E2215)	0.001848	$0.03
2217	***Total Marketing & Business Fees***	Sum(E2213:E2216)		$0.69
2218				
2219	***Sub-Total Direct Cost & Marketing***	E2207+E2217		$15.24
2220				
2221	***Other Direct Expenses***			
2222	Network Operations	D2222*E2219	0.050289	$0.77
2223	Network Support Assets	D2223*E2219	0.015375	$0.23
2224	General Support Assets	D2224*E2219	0.080638	$1.23
2225	General Purpose Computers	D2225*E2219	0.036437	$0.56
2226	Uncollectible	D2226*E2219	0.001017	$0.02
2227	Accounting & Finance Expense	D2227*E2219	0.007523	$0.11
2228	Human Resources Expense	D2228*E2219	0.007263	$0.11
2229	Information Management Expense	D2229*E2219	0.051570	$0.79
2230	Intangibles	D2230*E2219	0.002516	$0.04
2231	***Total Other Direct Expenses***	Sum(E2222:E2230)		$3.85
2232				
2233	***TELRIC***	E2222+E2231		$19.09
2234				
2235	***Common***			
2236	Executive Expense	D2236*E2233	0.005786	$0.11
2237	Planning Expense	D2237*E2233	0.000498	$0.01
2238	External Relations Expense	D2238*E2233	0.008170	$0.16
2239	Legal Expense	D2239*E2233	0.005352	$0.10
2240	Other Procurement Expense	D2240*E2233	0.002025	$0.04
2241	Research & Development Expense	D2241*E2233	0.000031	$0.00
2242	Other General and Admin Expense	D2242*E2233	0.015781	$0.30
2243	***Common Costs***	Sum(E2236:E2242)		$0.72
2244				
2245	***TELRIC + Common Costs***	E2233+E2243		$19.81

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Time Units B	Prob C	Prob D	Prob E	Prob F	Applied Cost G B * (C Thru F)	Labor Rate H	Cost I H * (G/60)
DIRECTED CALL PICKUP WITHOUT BARGE-IN								
ADD								
-RCMAC								
1st probability is % of switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is % of switch type								
Administration - SW1	10	0.660				6.60	$41.45	$4.56
Maintenance - SW1	10	0.660				6.60	$41.45	$4.56
Administration - SW2	10	0.340				3.40	$41.45	$2.35
Maintenance - SW2	10	0.340				3.40	$41.45	$2.35
Subtotal - NROC						20.00		$13.82
Total For Service:						21.00		$14.55

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

DIRECTED CALL PICKUP WITHOUT BARGE-IN (con't)

		Cost Calculation	Cost Factor	Cost
2297	**Direct Cost**			
2298				
2299				
2300				
2301				
2302	***Marketing & Business Fees***			
2303	Product Management Expense	D2303*E2297	0.034281	$0.50
2304	Sales Expense	D2304*E2297	0.011333	$0.16
2305	Product Advertising Expense	D2305*E2297	0.000000	$0.00
2306	Business Fees (Other Operating Taxes)	D2306*Sum(E2297:E2305)	0.001848	$0.03
2307	***Total Marketing & Business Fees***	Sum(E2303:E2306)		$0.69
2308				
2309	***Sub-Total Direct Cost & Marketing***	E2297+E2307		$15.24
2310				
2311	***Other Direct Expenses***			
2312	Network Operations	D2312*E2309	0.050289	$0.77
2313	Network Support Assets	D2313*E2309	0.015375	$0.23
2314	General Support Assets	D2314*E2309	0.080638	$1.23
2315	General Purpose Computers	D2315*E2309	0.036437	$0.56
2316	Uncollectible	D2316*E2309	0.001017	$0.02
2317	Accounting & Finance Expense	D2317*E2309	0.007523	$0.11
2318	Human Resources Expense	D2318*E2309	0.007263	$0.11
2319	Information Management Expense	D2319*E2309	0.051570	$0.79
2320	Intangibles	D2320*E2309	0.002516	$0.04
2321	***Total Other Direct Expenses***	Sum(E2312:E2320)		$3.85
2322				
2323	***TELRIC***	E2312+E2321		$19.09
2324				
2325	***Common***			
2326	Executive Expense	D2326*E2323	0.005786	$0.11
2327	Planning Expense	D2327*E2323	0.000498	$0.01
2328	External Relations Expense	D2328*E2323	0.008170	$0.16
2329	Legal Expense	D2329*E2323	0.005352	$0.10
2330	Other Procurement Expense	D2330*E2323	0.002025	$0.04
2331	Research & Development Expense	D2331*E2323	0.000031	$0.00
2332	Other General and Admin Expense	D2332*E2323	0.015781	$0.30
2333	***Common Costs***	Sum(E2326:E2332)		$0.72
2334				
2335	***TELRIC + Common Costs***	E2323+E2333		$19.81

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DISTINCTIVE RING/DISTINCTIVE CALL WAITING								
ADD								
-NROC								
1st probability is % of switch type								
Administration - SW1	10	0.660				6.60	$41.45	$4.56
Maintenance - SW1	10	0.660				6.60	$41.45	$4.56
Administration - SW2	55	0.340				18.70	$41.45	$12.92
Maintenance - SW2	30	0.340				10.20	$41.45	$7.05
Subtotal - NROC						42.10		$29.08
Total For Service:						42.10		$29.08

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Adjusted Time (Minutes)	Labor Rate	Cost
	A	B	C	D	E	F		G	H	I
								B * (C Thru F)		H * (G/60)

DISTINCTIVE RING/DISTINCTIVE CALL WAITING (con't)

2387	Direct Cost			[illegible]
2388				
2389		Cost Calculation	Cost Factor	Cost
2390				
2391		B	D	E
2392	***Marketing & Business Fees***			
2393	Product Management Expense	D2393*E2387	0.034281	$1.00
2394	Sales Expense	D2394*E2387	0.011333	$0.33
2395	Product Advertising Expense	D2395*E2387	0.000000	$0.00
2396	Business Fees (Other Operating Taxes)	D2396*Sum(E2387:E2395)	0.001848	$0.06
2397	***Total Marketing & Business Fees***	Sum(E2393:E2396)		$1.38
2398				
2399	***Sub-Total Direct Cost & Marketing***	E2387+E2397		$30.47
2400				
2401	***Other Direct Expenses***			
2402	Network Operations	D2402*E2399	0.050289	$1.53
2403	Network Support Assets	D2403*E2399	0.015375	$0.47
2404	General Support Assets	D2404*E2399	0.080638	$2.46
2405	General Purpose Computers	D2405*E2399	0.036437	$1.11
2406	Uncollectible	D2406*E2399	0.001017	$0.03
2407	Accounting & Finance Expense	D2407*E2399	0.007523	$0.23
2408	Human Resources Expense	D2408*E2399	0.007263	$0.22
2409	Information Management Expense	D2409*E2399	0.051570	$1.57
2410	Intangibles	D2410*E2399	0.002516	$0.08
2411	***Total Other Direct Expenses***	Sum(E2402:E2410)		$7.70
2412				
2413	***TELRIC***	E2402+E2411		$38.16
2414				
2415	***Common***			
2416	Executive Expense	D2416*E2413	0.005786	$0.22
2417	Planning Expense	D2417*E2413	0.000498	$0.02
2418	External Relations Expense	D2418*E2413	0.008170	$0.31
2419	Legal Expense	D2419*E2413	0.005352	$0.20
2420	Other Procurement Expense	D2420*E2413	0.002025	$0.08
2421	Research & Development Expense	D2421*E2413	0.000031	$0.00
2422	Other General and Admin Expense	D2422*E2413	0.015781	$0.60
2423	***Common Costs***	Sum(E2416:E2422)		$1.44
2424				
2425	***TELRIC + Common Costs***	E2413+E2423		$39.60

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob		Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	40	0.660				26.40	$41.45	$18.24
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Administration - sw2	45	0.340				15.30	$41.45	$10.57
Maintenance - sw2	40	0.340				13.60	$41.45	$9.40
Subtotal - NROC						75.10		$51.88
Total For Service:						75.10		$51.88

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

EXPENSIVE ROUTE WARNING TONE - PER SYSTEM (con't)

2477	Direct Cost				$51.88
2478					
2479					
2480		Cost Calculation		Cost Factor	Cost
2481		B	C	D	E
2482	***Marketing & Business Fees***				
2483	Product Management Expense	D2483*E2477		0.034281	$1.78
2484	Sales Expense	D2484*E2477		0.011333	$0.59
2485	Product Advertising Expense	D2485*E2477		0.000000	$0.00
2486	Business Fees (Other Operating Taxes)	D2486*Sum(E2477:E2485)		0.001848	$0.10
2487	***Total Marketing & Business Fees***	Sum(E2483:E2486)			$2.47
2488					
2489	***Sub-Total Direct Cost & Marketing***	E2477+E2487			$54.35
2490					
2491	***Other Direct Expenses***				
2492	Network Operations	D2492*E2489		0.050289	$2.73
2493	Network Support Assets	D2493*E2489		0.015375	$0.84
2494	General Support Assets	D2494*E2489		0.080638	$4.38
2495	General Purpose Computers	D2495*E2489		0.036437	$1.98
2496	Uncollectible	D2496*E2489		0.001017	$0.06
2497	Accounting & Finance Expense	D2497*E2489		0.007523	$0.41
2498	Human Resources Expense	D2498*E2489		0.007263	$0.39
2499	Information Management Expense	D2499*E2489		0.051570	$2.80
2500	Intangibles	D2500*E2489		0.002516	$0.14
2501	***Total Other Direct Expenses***	Sum(E2492:E2500)			$13.73
2502					
2503	***TELRIC***	E2492+E2501			$68.08
2504					
2505	***Common***				
2506	Executive Expense	D2506*E2503		0.005786	$0.39
2507	Planning Expense	D2507*E2503		0.000498	$0.03
2508	External Relations Expense	D2508*E2503		0.008170	$0.56
2509	Legal Expense	D2509*E2503		0.005352	$0.36
2510	Other Procurement Expense	D2510*E2503		0.002025	$0.14
2511	Research & Development Expense	D2511*E2503		0.000031	$0.00
2512	Other General and Admin Expense	D2512*E2503		0.015781	$1.07
2513	***Common Costs***	Sum(E2506:E2512)			$2.56
2514					
2515	***TELRIC + Common Costs***	E2503+E2513			$70.64

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Total Time Per (Minutes)	Labor Rate	Total Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
FACILITY RESTRICTION LEVEL - PER SYSTEM								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	40	0.660				26.40	$41.45	$18.24
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						46.20		$31.92
Total For Service:						46.20		$31.92

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

FACILITY RESTRICTION LEVEL - PER SYSTEM (con't)

2567	**Direct Cost**				$31.92
2568					
2569		Cost Calculation		Cost Factor	Cost
2570		B	C	D	E
2571					
2572	***Marketing & Business Fees***				
2573	Product Management Expense	D2573*E2567		0.034281	$1.09
2574	Sales Expense	D2574*E2567		0.011333	$0.36
2575	Product Advertising Expense	D2575*E2567		0.000000	$0.00
2576	Business Fees (Other Operating Taxes)	D2576*Sum(E2567:E2575)		0.001848	$0.06
2577	***Total Marketing & Business Fees***	Sum(E2573:E2576)			$1.52
2578					
2579	***Sub-Total Direct Cost & Marketing***	E2567+E2577			$33.43
2580					
2581	***Other Direct Expenses***				
2582	Network Operations	D2582*E2579		0.050289	$1.68
2583	Network Support Assets	D2583*E2579		0.015375	$0.51
2584	General Support Assets	D2584*E2579		0.080638	$2.70
2585	General Purpose Computers	D2585*E2579		0.036437	$1.22
2586	Uncollectible	D2586*E2579		0.001017	$0.03
2587	Accounting & Finance Expense	D2587*E2579		0.007523	$0.25
2588	Human Resources Expense	D2588*E2579		0.007263	$0.24
2589	Information Management Expense	D2589*E2579		0.051570	$1.72
2590	Intangibles	D2590*E2579		0.002516	$0.08
2591	***Total Other Direct Expenses***	Sum(E2582:E2590)			$8.45
2592					
2593	***TELRIC***	E2582+E2591			$41.88
2594					
2595	***Common***				
2596	Executive Expense	D2596*E2593		0.005786	$0.24
2597	Planning Expense	D2597*E2593		0.000498	$0.02
2598	External Relations Expense	D2598*E2593		0.008170	$0.34
2599	Legal Expense	D2599*E2593		0.005352	$0.22
2600	Other Procurement Expense	D2600*E2593		0.002025	$0.08
2601	Research & Development Expense	D2601*E2593		0.000031	$0.00
2602	Other General and Admin Expense	D2602*E2593		0.015781	$0.66
2603	***Common Costs***	Sum(E2596:E2602)			$1.58
2604					
2605	***TELRIC + Common Costs***	E2593+E2603			$43.46

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Total Time (Minutes)	Labor Rate/Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
GROUP INTERCOM - PER LINE								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
-NROC								
1st probability is average number of lines (200 lines in a system)								
2nd probability is % by switch type								
Administration - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Administration - SW1	10	0.005	0.660			0.03	$41.45	$0.02
Maintenance - SW1	10	0.005	0.660			0.03	$41.45	$0.02
Subtotal - NROC						**0.12**		**$0.08**
Total For Service:						**0.46**		**$0.33**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Cost/Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

GROUP INTERCOM - PER LINE (con't)

2657	**Direct Cost**			$0.33
2658				
2659		Cost Calculation	Cost Factor	Cost
2660				
2661		B	C	D	E
2662	***Marketing & Business Fees***			
2663	Product Management Expense	D2663*E2657	0.034281	$0.01
2664	Sales Expense	D2664*E2657	0.011333	$0.00
2665	Product Advertising Expense	D2665*E2657	0.000000	$0.00
2666	Business Fees (Other Operating Taxes)	D2666*Sum(E2657:E2665)	0.001848	$0.00
2667	***Total Marketing & Business Fees***	Sum(E2663:E2666)		$0.02
2668				
2669	***Sub-Total Direct Cost & Marketing***	E2657+E2667		$0.34
2670				
2671	***Other Direct Expenses***			
2672	Network Operations	D2672*E2669	0.050289	$0.02
2673	Network Support Assets	D2673*E2669	0.015375	$0.01
2674	General Support Assets	D2674*E2669	0.080638	$0.03
2675	General Purpose Computers	D2675*E2669	0.036437	$0.01
2676	Uncollectible	D2676*E2669	0.001017	$0.00
2677	Accounting & Finance Expense	D2677*E2669	0.007523	$0.00
2678	Human Resources Expense	D2678*E2669	0.007263	$0.00
2679	Information Management Expense	D2679*E2669	0.051570	$0.02
2680	Intangibles	D2680*E2669	0.002516	$0.00
2681	***Total Other Direct Expenses***	Sum(E2672:E2680)		$0.09
2682				
2683	***TELRIC***	E2672+E2681		$0.43
2684				
2685	***Common***			
2686	Executive Expense	D2686*E2683	0.005786	$0.00
2687	Planning Expense	D2687*E2683	0.000498	$0.00
2688	External Relations Expense	D2688*E2683	0.008170	$0.00
2689	Legal Expense	D2689*E2683	0.005352	$0.00
2690	Other Procurement Expense	D2690*E2683	0.002025	$0.00
2691	Research & Development Expense	D2691*E2683	0.000031	$0.00
2692	Other General and Admin Expense	D2692*E2683	0.015781	$0.01
2693	***Common Costs***	Sum(E2686:E2692)		$0.02
2694				
2695	***TELRIC + Common Costs***	E2683+E2693		$0.45

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection
State: Arizona

NONRECURRING COST DETAIL SUMMARY

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I H * (G/60)
HOT LINE - per line equipped, per line								
****ADD****								
-RCMAC								
1st column = times per line	1					0.66		$0.48
2nd column = % by switch type	1	0.660				0.34	$43.81	$0.25
Translations - SW1		0.340				1.00	$43.81	$0.73
Translations - SW2						1.00		$0.73
Subtotal - RCMAC								$0.73
Total For Service:								

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

HOT LINE - per line equipped, per line (con't)

2747	**Direct Cost**				$0.73
2748					
2749		Cost Calculation		Cost Factor	Cost
2750		B	C	D	E
2751					
2752	***Marketing & Business Fees***				
2753	Product Management Expense	D2753*E2747		0.034281	$0.03
2754	Sales Expense	D2754*E2747		0.011333	$0.01
2755	Product Advertising Expense	D2755*E2747		0.000000	$0.00
2756	Business Fees (Other Operating Taxes)	D2756*Sum(E2747:E2755)		0.001848	$0.00
2757	***Total Marketing & Business Fees***	Sum(E2753:E2756)			$0.03
2758					
2759	***Sub-Total Direct Cost & Marketing***	E2747+E2757			$0.76
2760					
2761	***Other Direct Expenses***				
2762	Network Operations	D2762*E2759		0.050289	$0.04
2763	Network Support Assets	D2763*E2759		0.015375	$0.01
2764	General Support Assets	D2764*E2759		0.080638	$0.06
2765	General Purpose Computers	D2765*E2759		0.036437	$0.03
2766	Uncollectible	D2766*E2759		0.001017	$0.00
2767	Accounting & Finance Expense	D2767*E2759		0.007523	$0.01
2768	Human Resources Expense	D2768*E2759		0.007263	$0.01
2769	Information Management Expense	D2769*E2759		0.051570	$0.04
2770	Intangibles	D2770*E2759		0.002516	$0.00
2771	***Total Other Direct Expenses***	Sum(E2762:E2770)			$0.19
2772					
2773	***TELRIC***	E2762+E2771			$0.96
2774					
2775	***Common***				
2776	Executive Expense	D2776*E2773		0.005786	$0.01
2777	Planning Expense	D2777*E2773		0.000498	$0.00
2778	External Relations Expense	D2778*E2773		0.008170	$0.01
2779	Legal Expense	D2779*E2773		0.005352	$0.01
2780	Other Procurement Expense	D2780*E2773		0.002025	$0.00
2781	Research & Development Expense	D2781*E2773		0.000031	$0.00
2782	Other General and Admin Expense	D2782*E2773		0.015781	$0.02
2783	***Common Costs***	Sum(E2776:E2782)			$0.04
2784					
2785	***TELRIC + Common Costs***	E2773+E2783			$0.99

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Adjusted Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F		G	H	I
							B * (C Thru F)		H * (G/60)
HUNTING - MULTIPOSITION HUNT QUEUING - per group									
ADD									
-RCMAC									
1st probability is % by switch type									
Translations - SW1	1	0.660					0.66	$43.81	$0.48
Subtotal - RCMAC							**0.66**		**$0.48**
-NROC									
1st probability is % by switch type									
Administration - sw1	30	0.660					19.80	$41.45	$13.68
Maintenance - sw1	30	0.660					19.80	$41.45	$13.68
Subtotal - NROC							**39.60**		**$27.36**
Total For Service:							**40.26**		**$27.84**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob [illegible]	Prob [illegible]	Prob [illegible]	[illegible]	[illegible] Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

HUNTING - MULTIPOSITION HUNT QUEUING - per group (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
2837	**Direct Cost**				$27.84
2838					
2839					
2840					
2841					
2842	***Marketing & Business Fees***				
2843	Product Management Expense	D2843*E2837		0.034281	$0.95
2844	Sales Expense	D2844*E2837		0.011333	$0.32
2845	Product Advertising Expense	D2845*E2837		0.000000	$0.00
2846	Business Fees (Other Operating Taxes)	D2846*Sum(E2837:E2845)		0.001848	$0.05
2847	***Total Marketing & Business Fees***	Sum(E2843:E2846)			$1.32
2848					
2849	***Sub-Total Direct Cost & Marketing***	E2837+E2847			$29.16
2850					
2851	***Other Direct Expenses***				
2852	Network Operations	D2852*E2849		0.050289	$1.47
2853	Network Support Assets	D2853*E2849		0.015375	$0.45
2854	General Support Assets	D2854*E2849		0.080638	$2.35
2855	General Purpose Computers	D2855*E2849		0.036437	$1.06
2856	Uncollectible	D2856*E2849		0.001017	$0.03
2857	Accounting & Finance Expense	D2857*E2849		0.007523	$0.22
2858	Human Resources Expense	D2858*E2849		0.007263	$0.21
2859	Information Management Expense	D2859*E2849		0.051570	$1.50
2860	Intangibles	D2860*E2849		0.002516	$0.07
2861	***Total Other Direct Expenses***	Sum(E2852:E2860)			$7.37
2862					
2863	***TELRIC***	E2852+E2861			$36.53
2864					
2865	***Common***				
2866	Executive Expense	D2866*E2863		0.005786	$0.21
2867	Planning Expense	D2867*E2863		0.000498	$0.02
2868	External Relations Expense	D2868*E2863		0.008170	$0.30
2869	Legal Expense	D2869*E2863		0.005352	$0.20
2870	Other Procurement Expense	D2870*E2863		0.002025	$0.07
2871	Research & Development Expense	D2871*E2863		0.000031	$0.00
2872	Other General and Admin Expense	D2872*E2863		0.015781	$0.58
2873	***Common Costs***	Sum(E2866:E2872)			$1.38
2874					
2875	***TELRIC + Common Costs***	E2863+E2873			$37.90

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
-NROC								
1st probability is % by switch type								
Administration - sw1	30	0.660				19.80	$41.45	$13.68
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						**39.60**		**$27.36**
Total For Service:						**40.26**		**$27.84**

	Work Item	Base Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
2927	**Direct Cost**			$27.84
2928				
2929				
2930				
2931				
2932	***Marketing & Business Fees***			
2933	Product Management Expense	D2933*E2927	0.034281	$0.95
2934	Sales Expense	D2934*E2927	0.011333	$0.32
2935	Product Advertising Expense	D2935*E2927	0.000000	$0.00
2936	Business Fees (Other Operating Taxes)	D2936*Sum(E2927:E2935)	0.001848	$0.05
2937	***Total Marketing & Business Fees***	Sum(E2933:E2936)		$1.32
2938				
2939	***Sub-Total Direct Cost & Marketing***	E2927+E2937		$29.16
2940				
2941	***Other Direct Expenses***			
2942	Network Operations	D2942*E2939	0.050289	$1.47
2943	Network Support Assets	D2943*E2939	0.015375	$0.45
2944	General Support Assets	D2944*E2939	0.080638	$2.35
2945	General Purpose Computers	D2945*E2939	0.036437	$1.06
2946	Uncollectible	D2946*E2939	0.001017	$0.03
2947	Accounting & Finance Expense	D2947*E2939	0.007523	$0.22
2948	Human Resources Expense	D2948*E2939	0.007263	$0.21
2949	Information Management Expense	D2949*E2939	0.051570	$1.50
2950	Intangibles	D2950*E2939	0.002516	$0.07
2951	***Total Other Direct Expenses***	Sum(E2942:E2950)		$7.37
2952				
2953	***TELRIC***	E2942+E2951		$36.53
2954				
2955	***Common***			
2956	Executive Expense	D2956*E2953	0.005786	$0.21
2957	Planning Expense	D2957*E2953	0.000498	$0.02
2958	External Relations Expense	D2958*E2953	0.008170	$0.30
2959	Legal Expense	D2959*E2953	0.005352	$0.20
2960	Other Procurement Expense	D2960*E2953	0.002025	$0.07
2961	Research & Development Expense	D2961*E2953	0.000031	$0.00
2962	Other General and Admin Expense	D2962*E2953	0.015781	$0.58
2963	***Common Costs***	Sum(E2956:E2962)		$1.38
2964				
2965	***TELRIC + Common Costs***	E2953+E2963		$37.90

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Rate Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE								
****ADD****								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
-NROC								
1st probability is % by switch type								
Translations - SW1	30	0.660				19.80	$43.81	$14.46
Translations - SW1	30	0.660				19.80	$43.81	$14.46
Subtotal - NROC						**39.60**		**$28.91**
Total For Service:						**40.26**		**$29.40**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE (con't)

3017	**Direct Cost**				**$29.40**
3018					
3019		Cost Calculation		Cost Factor	Cost
3020		B	C	D	E
3021					
3022	***Marketing & Business Fees***				
3023	Product Management Expense	D3023*E3017		0.034281	$1.01
3024	Sales Expense	D3024*E3017		0.011333	$0.33
3025	Product Advertising Expense	D3025*E3017		0.000000	$0.00
3026	Business Fees (Other Operating Taxes)	D3026*Sum(E3017:E3025)		0.001848	$0.06
3027	***Total Marketing & Business Fees***	Sum(E3023:E3026)			$1.40
3028					
3029	***Sub-Total Direct Cost & Marketing***	E3017+E3027			$30.79
3030					
3031	***Other Direct Expenses***				
3032	Network Operations	D3032*E3029		0.050289	$1.55
3033	Network Support Assets	D3033*E3029		0.015375	$0.47
3034	General Support Assets	D3034*E3029		0.080638	$2.48
3035	General Purpose Computers	D3035*E3029		0.036437	$1.12
3036	Uncollectible	D3036*E3029		0.001017	$0.03
3037	Accounting & Finance Expense	D3037*E3029		0.007523	$0.23
3038	Human Resources Expense	D3038*E3029		0.007263	$0.22
3039	Information Management Expense	D3039*E3029		0.051570	$1.59
3040	Intangibles	D3040*E3029		0.002516	$0.08
3041	***Total Other Direct Expenses***	Sum(E3032:E3040)			$7.78
3042					
3043	***TELRIC***	E3032+E3041			$38.57
3044					
3045	***Common***				
3046	Executive Expense	D3046*E3043		0.005786	$0.22
3047	Planning Expense	D3047*E3043		0.000498	$0.02
3048	External Relations Expense	D3048*E3043		0.008170	$0.32
3049	Legal Expense	D3049*E3043		0.005352	$0.21
3050	Other Procurement Expense	D3050*E3043		0.002025	$0.08
3051	Research & Development Expense	D3051*E3043		0.000031	$0.00
3052	Other General and Admin Expense	D3052*E3043		0.015781	$0.61
3053	***Common Costs***	Sum(E3046:E3052)			$1.45
3054					
3055	***TELRIC + Common Costs***	E3043+E3053			$40.03

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ISDN SHORT HUNT								
ADD								
-RCMAC								
1st probability % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	3	0.340				1.02	$43.81	$0.74
Subtotal - RCMAC						1.68		$1.23
Total For Service:						1.68		$1.23

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

ISDN SHORT HUNT (con't)

3107	**Direct Cost**			
3108				
3109				
3110		Cost Calculation	Cost Factor	Cost
3111		B	D	E
3112	***Marketing & Business Fees***			
3113	Product Management Expense	D3113*E3107	0.034281	$0.04
3114	Sales Expense	D3114*E3107	0.011333	$0.01
3115	Product Advertising Expense	D3115*E3107	0.000000	$0.00
3116	Business Fees (Other Operating Taxes)	D3116*Sum(E3107:E3115)	0.001848	$0.00
3117	***Total Marketing & Business Fees***	Sum(E3113:E3116)		$0.06
3118				
3119	***Sub-Total Direct Cost & Marketing***	E3107+E3117		$1.29
3120				
3121	***Other Direct Expenses***			
3122	Network Operations	D3122*E3119	0.050289	$0.06
3123	Network Support Assets	D3123*E3119	0.015375	$0.02
3124	General Support Assets	D3124*E3119	0.080638	$0.10
3125	General Purpose Computers	D3125*E3119	0.036437	$0.05
3126	Uncollectible	D3126*E3119	0.001017	$0.00
3127	Accounting & Finance Expense	D3127*E3119	0.007523	$0.01
3128	Human Resources Expense	D3128*E3119	0.007263	$0.01
3129	Information Management Expense	D3129*E3119	0.051570	$0.07
3130	Intangibles	D3130*E3119	0.002516	$0.00
3131	***Total Other Direct Expenses***	Sum(E3122:E3130)		$0.32
3132				
3133	***TELRIC***	E3122+E3131		$1.61
3134				
3135	***Common***			
3136	Executive Expense	D3136*E3133	0.005786	$0.01
3137	Planning Expense	D3137*E3133	0.000498	$0.00
3138	External Relations Expense	D3138*E3133	0.008170	$0.01
3139	Legal Expense	D3139*E3133	0.005352	$0.01
3140	Other Procurement Expense	D3140*E3133	0.002025	$0.00
3141	Research & Development Expense	D3141*E3133	0.000031	$0.00
3142	Other General and Admin Expense	D3142*E3133	0.015781	$0.03
3143	***Common Costs***	Sum(E3136:E3142)		$0.06
3144				
3145	***TELRIC + Common Costs***	E3133+E3143		$1.67

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
LOUDSPEAKER PAGING TRUNK SIDE, per group								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-NROC								
1st probability is % by switch type								
Administration - sw1	105	0.660				69.30	$41.45	$47.87
Maintenance - sw1	80	0.660				52.80	$41.45	$36.48
Administration - sw2	85	0.340				28.90	$41.45	$19.97
Maintenance - sw2	95	0.340				32.30	$41.45	$22.31
Subtotal - NROC						183.30		$126.63
Total For Service:						184.30		$127.36

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOUDSPEAKER PAGING TRUNK SIDE, per group (con't)

3197	**Direct Cost**			[illegible]
3198				
3199		Cost Calculation	Cost Factor	Cost
3200				
3201		B	C	D	E
3202	***Marketing & Business Fees***			
3203	Product Management Expense	D3203*E3197	0.034281	$4.37
3204	Sales Expense	D3204*E3197	0.011333	$1.44
3205	Product Advertising Expense	D3205*E3197	0.000000	$0.00
3206	Business Fees (Other Operating Taxes)	D3206*Sum(E3197:E3205)	0.001848	$0.25
3207	***Total Marketing & Business Fees***	Sum(E3203:E3206)		$6.06
3208				
3209	***Sub-Total Direct Cost & Marketing***	E3197+E3207		$133.42
3210				
3211	***Other Direct Expenses***			
3212	Network Operations	D3212*E3209	0.050289	$6.71
3213	Network Support Assets	D3213*E3209	0.015375	$2.05
3214	General Support Assets	D3214*E3209	0.080638	$10.76
3215	General Purpose Computers	D3215*E3209	0.036437	$4.86
3216	Uncollectible	D3216*E3209	0.001017	$0.14
3217	Accounting & Finance Expense	D3217*E3209	0.007523	$1.00
3218	Human Resources Expense	D3218*E3209	0.007263	$0.97
3219	Information Management Expense	D3219*E3209	0.051570	$6.88
3220	Intangibles	D3220*E3209	0.002516	$0.34
3221	***Total Other Direct Expenses***	Sum(E3212:E3220)		$33.70
3222				
3223	***TELRIC***	E3212+E3221		$167.12
3224				
3225	***Common***			
3226	Executive Expense	D3226*E3223	0.005786	$0.97
3227	Planning Expense	D3227*E3223	0.000498	$0.08
3228	External Relations Expense	D3228*E3223	0.008170	$1.37
3229	Legal Expense	D3229*E3223	0.005352	$0.89
3230	Other Procurement Expense	D3230*E3223	0.002025	$0.34
3231	Research & Development Expense	D3231*E3223	0.000031	$0.01
3232	Other General and Admin Expense	D3232*E3223	0.015781	$2.64
3233	***Common Costs***	Sum(E3226:E3232)		$6.29
3234				
3235	***TELRIC + Common Costs***	E3223+E3233		$173.41

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MAKE BUSY ARRANGEMENTS, per group								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
Total For Service:						**0.66**		**$0.48**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MAKE BUSY ARRANGEMENTS, per group (con't)

3287	**Direct Cost**				$0.48
3288					
3289		Cost Calculation		Cost Factor	Cost
3290		B	C	D	E
3291					
3292	***Marketing & Business Fees***				
3293	Product Management Expense	D3293*E3287		0.034281	$0.02
3294	Sales Expense	D3294*E3287		0.011333	$0.01
3295	Product Advertising Expense	D3295*E3287		0.000000	$0.00
3296	Business Fees (Other Operating Taxes)	D3296*Sum(E3287:E3295)		0.001848	$0.00
3297	***Total Marketing & Business Fees***	Sum(E3293:E3296)			$0.02
3298					
3299	***Sub-Total Direct Cost & Marketing***	E3287+E3297			$0.50
3300					
3301	***Other Direct Expenses***				
3302	Network Operations	D3302*E3299		0.050289	$0.03
3303	Network Support Assets	D3303*E3299		0.015375	$0.01
3304	General Support Assets	D3304*E3299		0.080638	$0.04
3305	General Purpose Computers	D3305*E3299		0.036437	$0.02
3306	Uncollectible	D3306*E3299		0.001017	$0.00
3307	Accounting & Finance Expense	D3307*E3299		0.007523	$0.00
3308	Human Resources Expense	D3308*E3299		0.007263	$0.00
3309	Information Management Expense	D3309*E3299		0.051570	$0.03
3310	Intangibles	D3310*E3299		0.002516	$0.00
3311	***Total Other Direct Expenses***	Sum(E3302:E3310)			$0.13
3312					
3313	***TELRIC***	E3302+E3311			$0.63
3314					
3315	***Common***				
3316	Executive Expense	D3316*E3313		0.005786	$0.00
3317	Planning Expense	D3317*E3313		0.000498	$0.00
3318	External Relations Expense	D3318*E3313		0.008170	$0.01
3319	Legal Expense	D3319*E3313		0.005352	$0.00
3320	Other Procurement Expense	D3320*E3313		0.002025	$0.00
3321	Research & Development Expense	D3321*E3313		0.000031	$0.00
3322	Other General and Admin Expense	D3322*E3313		0.015781	$0.01
3323	***Common Costs***	Sum(E3316:E3322)			$0.02
3324					
3325	***TELRIC + Common Costs***	E3313+E3323			$0.66

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob	Prob	Prob	Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MAKE BUSY ARRANGEMENTS, per line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
Total For Service:						**0.66**		**$0.48**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MAKE BUSY ARRANGEMENTS, per line (con't)

3377	Direct Cost			
3378				
3379				
3380				
3381				
3382	***Marketing & Business Fees***			
3383	Product Management Expense	D3383*E3377	0.034281	$0.02
3384	Sales Expense	D3384*E3377	0.011333	$0.01
3385	Product Advertising Expense	D3385*E3377	0.000000	$0.00
3386	Business Fees (Other Operating Taxes)	D3386*Sum(E3377:E3385)	0.001848	$0.00
3387	***Total Marketing & Business Fees***	Sum(E3383:E3386)		$0.02
3388				
3389	***Sub-Total Direct Cost & Marketing***	E3377+E3387		$0.50
3390				
3391	***Other Direct Expenses***			
3392	Network Operations	D3392*E3389	0.050289	$0.03
3393	Network Support Assets	D3393*E3389	0.015375	$0.01
3394	General Support Assets	D3394*E3389	0.080638	$0.04
3395	General Purpose Computers	D3395*E3389	0.036437	$0.02
3396	Uncollectible	D3396*E3389	0.001017	$0.00
3397	Accounting & Finance Expense	D3397*E3389	0.007523	$0.00
3398	Human Resources Expense	D3398*E3389	0.007263	$0.00
3399	Information Management Expense	D3399*E3389	0.051570	$0.03
3400	Intangibles	D3400*E3389	0.002516	$0.00
3401	***Total Other Direct Expenses***	Sum(E3392:E3400)		$0.13
3402				
3403	***TELRIC***	E3392+E3401		$0.63
3404				
3405	***Common***			
3406	Executive Expense	D3406*E3403	0.005786	$0.00
3407	Planning Expense	D3407*E3403	0.000498	$0.00
3408	External Relations Expense	D3408*E3403	0.008170	$0.01
3409	Legal Expense	D3409*E3403	0.005352	$0.00
3410	Other Procurement Expense	D3410*E3403	0.002025	$0.00
3411	Research & Development Expense	D3411*E3403	0.000031	$0.00
3412	Other General and Admin Expense	D3412*E3403	0.015781	$0.01
3413	***Common Costs***	Sum(E3406:E3412)		$0.02
3414				
3415	***TELRIC + Common Costs***	E3403+E3413		$0.66

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	App'd Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MESSAGE CENTER - per main station line, per line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

	Work Item	Applied Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MESSAGE CENTER - per main station line, per line (con't)

3467	**Direct Cost**				$0.25
3468					
3469					
3470		Cost Calculation		Cost Factor	Cost
3471		B	C	D	E
3472	***Marketing & Business Fees***				
3473	Product Management Expense	D3473*E3467		0.034281	$0.01
3474	Sales Expense	D3474*E3467		0.011333	$0.00
3475	Product Advertising Expense	D3475*E3467		0.000000	$0.00
3476	Business Fees (Other Operating Taxes)	D3476*Sum(E3467:E3475)		0.001848	$0.00
3477	***Total Marketing & Business Fees***	Sum(E3473:E3476)			$0.01
3478					
3479	***Sub-Total Direct Cost & Marketing***	E3467+E3477			$0.26
3480					
3481	***Other Direct Expenses***				
3482	Network Operations	D3482*E3479		0.050289	$0.01
3483	Network Support Assets	D3483*E3479		0.015375	$0.00
3484	General Support Assets	D3484*E3479		0.080638	$0.02
3485	General Purpose Computers	D3485*E3479		0.036437	$0.01
3486	Uncollectible	D3486*E3479		0.001017	$0.00
3487	Accounting & Finance Expense	D3487*E3479		0.007523	$0.00
3488	Human Resources Expense	D3488*E3479		0.007263	$0.00
3489	Information Management Expense	D3489*E3479		0.051570	$0.01
3490	Intangibles	D3490*E3479		0.002516	$0.00
3491	***Total Other Direct Expenses***	Sum(E3482:E3490)			$0.07
3492					
3493	***TELRIC***	E3482+E3491			$0.33
3494					
3495	***Common***				
3496	Executive Expense	D3496*E3493		0.005786	$0.00
3497	Planning Expense	D3497*E3493		0.000498	$0.00
3498	External Relations Expense	D3498*E3493		0.008170	$0.00
3499	Legal Expense	D3499*E3493		0.005352	$0.00
3500	Other Procurement Expense	D3500*E3493		0.002025	$0.00
3501	Research & Development Expense	D3501*E3493		0.000031	$0.00
3502	Other General and Admin Expense	D3502*E3493		0.015781	$0.01
3503	***Common Costs***	Sum(E3496:E3502)			$0.01
3504					
3505	***TELRIC + Common Costs***	E3493+E3503			$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MESSAGE WAITING VISUAL, per line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						0.34		$0.25
Total For Service:						0.34		$0.25

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MESSAGE WAITING VISUAL, per line (con't)

3557	**Direct Cost**				$0.25
3558					
3559		Cost Calculation		Cost Factor	Cost
3560		B	C	D	E
3561					
3562	***Marketing & Business Fees***				
3563	Product Management Expense	D3563*E3557		0.034281	$0.01
3564	Sales Expense	D3564*E3557		0.011333	$0.00
3565	Product Advertising Expense	D3565*E3557		0.000000	$0.00
3566	Business Fees (Other Operating Taxes)	D3566*Sum(E3557:E3565)		0.001848	$0.00
3567	***Total Marketing & Business Fees***	Sum(E3563:E3566)			$0.01
3568					
3569	***Sub-Total Direct Cost & Marketing***	E3557+E3567			$0.26
3570					
3571	***Other Direct Expenses***				
3572	Network Operations	D3572*E3569		0.050289	$0.01
3573	Network Support Assets	D3573*E3569		0.015375	$0.00
3574	General Support Assets	D3574*E3569		0.080638	$0.02
3575	General Purpose Computers	D3575*E3569		0.036437	$0.01
3576	Uncollectible	D3576*E3569		0.001017	$0.00
3577	Accounting & Finance Expense	D3577*E3569		0.007523	$0.00
3578	Human Resources Expense	D3578*E3569		0.007263	$0.00
3579	Information Management Expense	D3579*E3569		0.051570	$0.01
3580	Intangibles	D3580*E3569		0.002516	$0.00
3581	***Total Other Direct Expenses***	Sum(E3572:E3580)			$0.07
3582					
3583	***TELRIC***	E3572+E3581			$0.33
3584					
3585	***Common***				
3586	Executive Expense	D3586*E3583		0.005786	$0.00
3587	Planning Expense	D3587*E3583		0.000498	$0.00
3588	External Relations Expense	D3588*E3583		0.008170	$0.00
3589	Legal Expense	D3589*E3583		0.005352	$0.00
3590	Other Procurement Expense	D3590*E3583		0.002025	$0.00
3591	Research & Development Expense	D3591*E3583		0.000031	$0.00
3592	Other General and Admin Expense	D3592*E3583		0.015781	$0.01
3593	***Common Costs***	Sum(E3586:E3592)			$0.01
3594					
3595	***TELRIC + Common Costs***	E3583+E3593			$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Total Time (Minutes)	Labor Hourly Rate	Total Cost
A	B	C	D	E	F		G	H	I
							B * (C Thru F)		H * (G/60)
MUSIC ON HOLD - per system									
ADD									
-RCMAC									
1st probability is % by switch type									
Translations - SW2	1	0.340					0.34	$43.81	$0.25
Subtotal - RCMAC							**0.34**		**$0.25**
-NROC									
1st probability is % by switch type									
Administration - sw2	35	0.340					11.90	$41.45	$8.22
Maintenance - sw2	35	0.340					11.90	$41.45	$8.22
Subtotal - NROC							**23.80**		**$16.44**
Total For Service:							**24.14**		**$16.69**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MUSIC ON HOLD - per system (con't)

3647	Direct Cost			$18.69
3648				
3649		Cost Calculation	% Cost Factor	Cost
3650		B	D	E
3651				
3652	***Marketing & Business Fees***			
3653	Product Management Expense	D3653*E3647	0.034281	$0.57
3654	Sales Expense	D3654*E3647	0.011333	$0.19
3655	Product Advertising Expense	D3655*E3647	0.000000	$0.00
3656	Business Fees (Other Operating Taxes)	D3656*Sum(E3647:E3655)	0.001848	$0.03
3657	***Total Marketing & Business Fees***	Sum(E3653:E3656)		$0.79
3658				
3659	***Sub-Total Direct Cost & Marketing***	E3647+E3657		$17.48
3660				
3661	***Other Direct Expenses***			
3662	Network Operations	D3662*E3659	0.050289	$0.88
3663	Network Support Assets	D3663*E3659	0.015375	$0.27
3664	General Support Assets	D3664*E3659	0.080638	$1.41
3665	General Purpose Computers	D3665*E3659	0.036437	$0.64
3666	Uncollectible	D3666*E3659	0.001017	$0.02
3667	Accounting & Finance Expense	D3667*E3659	0.007523	$0.13
3668	Human Resources Expense	D3668*E3659	0.007263	$0.13
3669	Information Management Expense	D3669*E3659	0.051570	$0.90
3670	Intangibles	D3670*E3659	0.002516	$0.04
3671	***Total Other Direct Expenses***	Sum(E3662:E3670)		$4.42
3672				
3673	***TELRIC***	E3662+E3671		$21.90
3674				
3675	***Common***			
3676	Executive Expense	D3676*E3673	0.005786	$0.13
3677	Planning Expense	D3677*E3673	0.000498	$0.01
3678	External Relations Expense	D3678*E3673	0.008170	$0.18
3679	Legal Expense	D3679*E3673	0.005352	$0.12
3680	Other Procurement Expense	D3680*E3673	0.002025	$0.04
3681	Research & Development Expense	D3681*E3673	0.000031	$0.00
3682	Other General and Admin Expense	D3682*E3673	0.015781	$0.35
3683	***Common Costs***	Sum(E3676:E3682)		$0.82
3684				
3685	***TELRIC + Common Costs***	E3673+E3683		$22.72

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor (Hour)	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
PRIVACY RELEASE, per station line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
-NROC								
Time is 20/20 time per system of 200 lines with 50% penetration,divisor 100								
1st probability is % by switch type								
Administration - sw2	0.2	0.340				0.07	$41.45	$0.05
Maintenance - sw2	0.2	0.340				0.07	$41.45	$0.05
Subtotal - NROC						**0.14**		**$0.09**
Total For Service:						**0.48**		**$0.34**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eorlatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

PRIVACY RELEASE, per station line (con't)

3737	**Direct Cost**			$0.34
3738				
3739		Cost Calculation	Cost Factor	Cost
3740				
3741		B C	D	E
3742	***Marketing & Business Fees***			
3743	Product Management Expense	D3743*E3737	0.034281	$0.01
3744	Sales Expense	D3744*E3737	0.011333	$0.00
3745	Product Advertising Expense	D3745*E3737	0.000000	$0.00
3746	Business Fees (Other Operating Taxes)	D3746*Sum(E3737:E3745)	0.001848	$0.00
3747	***Total Marketing & Business Fees***	Sum(E3743:E3746)		$0.02
3748				
3749	***Sub-Total Direct Cost & Marketing***	E3737+E3747		$0.36
3750				
3751	***Other Direct Expenses***			
3752	Network Operations	D3752*E3749	0.050289	$0.02
3753	Network Support Assets	D3753*E3749	0.015375	$0.01
3754	General Support Assets	D3754*E3749	0.080638	$0.03
3755	General Purpose Computers	D3755*E3749	0.036437	$0.01
3756	Uncollectible	D3756*E3749	0.001017	$0.00
3757	Accounting & Finance Expense	D3757*E3749	0.007523	$0.00
3758	Human Resources Expense	D3758*E3749	0.007263	$0.00
3759	Information Management Expense	D3759*E3749	0.051570	$0.02
3760	Intangibles	D3760*E3749	0.002516	$0.00
3761	***Total Other Direct Expenses***	Sum(E3752:E3760)		$0.09
3762				
3763	***TELRIC***	E3752+E3761		$0.45
3764				
3765	***Common***			
3766	Executive Expense	D3766*E3763	0.005786	$0.00
3767	Planning Expense	D3767*E3763	0.000498	$0.00
3768	External Relations Expense	D3768*E3763	0.008170	$0.00
3769	Legal Expense	D3769*E3763	0.005352	$0.00
3770	Other Procurement Expense	D3770*E3763	0.002025	$0.00
3771	Research & Development Expense	D3771*E3763	0.000031	$0.00
3772	Other General and Admin Expense	D3772*E3763	0.015781	$0.01
3773	***Common Costs***	Sum(E3766:E3772)		$0.02
3774				
3775	***TELRIC + Common Costs***	E3763+E3773		$0.47

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Hourly	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
QUERY TIME, per station line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

QUERY TIME, per station line (con't)

3827	**Direct Cost**				$0.26
3828					
3829		Cost Calculation		Cost Factor	Cost
3830		B	C	D	E
3831					
3832	***Marketing & Business Fees***				
3833	Product Management Expense	D3833*E3827		0.034281	$0.01
3834	Sales Expense	D3834*E3827		0.011333	$0.00
3835	Product Advertising Expense	D3835*E3827		0.000000	$0.00
3836	Business Fees (Other Operating Taxes)	D3836*Sum(E3827:E3835)		0.001848	$0.00
3837	***Total Marketing & Business Fees***	Sum(E3833:E3836)			$0.01
3838					
3839	***Sub-Total Direct Cost & Marketing***	E3827+E3837			$0.26
3840					
3841	***Other Direct Expenses***				
3842	Network Operations	D3842*E3839		0.050289	$0.01
3843	Network Support Assets	D3843*E3839		0.015375	$0.00
3844	General Support Assets	D3844*E3839		0.080638	$0.02
3845	General Purpose Computers	D3845*E3839		0.036437	$0.01
3846	Uncollectible	D3846*E3839		0.001017	$0.00
3847	Accounting & Finance Expense	D3847*E3839		0.007523	$0.00
3848	Human Resources Expense	D3848*E3839		0.007263	$0.00
3849	Information Management Expense	D3849*E3839		0.051570	$0.01
3850	Intangibles	D3850*E3839		0.002516	$0.00
3851	***Total Other Direct Expenses***	Sum(E3842:E3850)			$0.07
3852					
3853	***TELRIC***	E3842+E3851			$0.33
3854					
3855	***Common***				
3856	Executive Expense	D3856*E3853		0.005786	$0.00
3857	Planning Expense	D3857*E3853		0.000498	$0.00
3858	External Relations Expense	D3858*E3853		0.008170	$0.00
3859	Legal Expense	D3859*E3853		0.005352	$0.00
3860	Other Procurement Expense	D3860*E3853		0.002025	$0.00
3861	Research & Development Expense	D3861*E3853		0.000031	$0.00
3862	Other General and Admin Expense	D3862*E3853		0.015781	$0.01
3863	***Common Costs***	Sum(E3856:E3862)			$0.01
3864					
3865	***TELRIC + Common Costs***	E3853+E3863			$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
STATION CAMP-ON, per main line, per line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor (Hour)	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

STATION CAMP-ON, per main line, per line (con't)

3917	Direct Cost			$0.25
3918				
3919		Cost Calculation	Cost Factor	Cost
3920				
3921		B	C	D	E
3922	***Marketing & Business Fees***			
3923	Product Management Expense	D3923*E3917	0.034281	$0.01
3924	Sales Expense	D3924*E3917	0.011333	$0.00
3925	Product Advertising Expense	D3925*E3917	0.000000	$0.00
3926	Business Fees (Other Operating Taxes)	D3926*Sum(E3917:E3925)	0.001848	$0.00
3927	***Total Marketing & Business Fees***	Sum(E3923:E3926)		$0.01
3928				
3929	***Sub-Total Direct Cost & Marketing***	E3917+E3927		$0.26
3930				
3931	***Other Direct Expenses***			
3932	Network Operations	D3932*E3929	0.050289	$0.01
3933	Network Support Assets	D3933*E3929	0.015375	$0.00
3934	General Support Assets	D3934*E3929	0.080638	$0.02
3935	General Purpose Computers	D3935*E3929	0.036437	$0.01
3936	Uncollectible	D3936*E3929	0.001017	$0.00
3937	Accounting & Finance Expense	D3937*E3929	0.007523	$0.00
3938	Human Resources Expense	D3938*E3929	0.007263	$0.00
3939	Information Management Expense	D3939*E3929	0.051570	$0.01
3940	Intangibles	D3940*E3929	0.002516	$0.00
3941	***Total Other Direct Expenses***	Sum(E3932:E3940)		$0.07
3942				
3943	***TELRIC***	E3932+E3941		$0.33
3944				
3945	***Common***			
3946	Executive Expense	D3946*E3943	0.005786	$0.00
3947	Planning Expense	D3947*E3943	0.000498	$0.00
3948	External Relations Expense	D3948*E3943	0.008170	$0.00
3949	Legal Expense	D3949*E3943	0.005352	$0.00
3950	Other Procurement Expense	D3950*E3943	0.002025	$0.00
3951	Research & Development Expense	D3951*E3943	0.000031	$0.00
3952	Other General and Admin Expense	D3952*E3943	0.015781	$0.01
3953	***Common Costs***	Sum(E3946:E3952)		$0.01
3954				
3955	***TELRIC + Common Costs***	E3943+E3953		$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
TIME OF DAY CONTROL FOR ARS - PER SYSTEM								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	85	0.660				56.10	$41.45	$38.76
Maintenance - sw1	60	0.660				39.60	$41.45	$27.36
Administration - sw2	30	0.340				10.20	$41.45	$7.05
Maintenance - sw2	75	0.340				25.50	$41.45	$17.62
Subtotal - NROC						131.40		$90.78
Total For Service:						131.40		$90.78

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

TIME OF DAY CONTROL FOR ARS - PER SYSTEM (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
4007	**Direct Cost**			$90.78
4008				
4009				
4010				
4011				
4012	***Marketing & Business Fees***			
4013	Product Management Expense	D4013*E4007	0.034281	$3.11
4014	Sales Expense	D4014*E4007	0.011333	$1.03
4015	Product Advertising Expense	D4015*E4007	0.000000	$0.00
4016	Business Fees (Other Operating Taxes)	D4016*Sum(E4007:E4015)	0.001848	$0.18
4017	***Total Marketing & Business Fees***	Sum(E4013:E4016)		$4.32
4018				
4019	***Sub-Total Direct Cost & Marketing***	E4007+E4017		$95.09
4020				
4021	***Other Direct Expenses***			
4022	Network Operations	D4022*E4019	0.050289	$4.78
4023	Network Support Assets	D4023*E4019	0.015375	$1.46
4024	General Support Assets	D4024*E4019	0.080638	$7.67
4025	General Purpose Computers	D4025*E4019	0.036437	$3.46
4026	Uncollectible	D4026*E4019	0.001017	$0.10
4027	Accounting & Finance Expense	D4027*E4019	0.007523	$0.72
4028	Human Resources Expense	D4028*E4019	0.007263	$0.69
4029	Information Management Expense	D4029*E4019	0.051570	$4.90
4030	Intangibles	D4030*E4019	0.002516	$0.24
4031	***Total Other Direct Expenses***	Sum(E4022:E4030)		$24.02
4032				
4033	***TELRIC***	E4022+E4031		$119.11
4034				
4035	***Common***			
4036	Executive Expense	D4036*E4033	0.005786	$0.69
4037	Planning Expense	D4037*E4033	0.000498	$0.06
4038	External Relations Expense	D4038*E4033	0.008170	$0.97
4039	Legal Expense	D4039*E4033	0.005352	$0.64
4040	Other Procurement Expense	D4040*E4033	0.002025	$0.24
4041	Research & Development Expense	D4041*E4033	0.000031	$0.00
4042	Other General and Admin Expense	D4042*E4033	0.015781	$1.88
4043	***Common Costs***	Sum(E4036:E4042)		$4.48
4044				
4045	***TELRIC + Common Costs***	E4033+E4043		$123.60

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Adjusted Time (Minutes) G	Labor Rate Hourly H	Cost I
						B * (C Thru F)		H * (G/60)
TIME OF DAY NCOS UPDATED, PER MAIN STATION								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						0.34		$0.25
-NROC								
1st probability is times per system divided by 200 lines in system								
2nd probability is % by switch type								
Administration - SW2	60	0.005	0.340			0.10	$41.45	$0.07
Maintenance - SW2	60	0.005	0.340			0.10	$41.45	$0.07
Subtotal - NROC						0.20		$0.14
Total For Service:						0.54		$0.39

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

TIME OF DAY NCOS UPDATED, PER MAIN STATION (con't)

4097	**Direct Cost**			
4098				
4099				
4100				
4101				
4102	***Marketing & Business Fees***			
4103	Product Management Expense	D4103*E4097	0.034281	$0.01
4104	Sales Expense	D4104*E4097	0.011333	$0.00
4105	Product Advertising Expense	D4105*E4097	0.000000	$0.00
4106	Business Fees (Other Operating Taxes)	D4106*Sum(E4097:E4105)	0.001848	$0.00
4107	***Total Marketing & Business Fees***	Sum(E4103:E4106)		$0.02
4108				
4109	***Sub-Total Direct Cost & Marketing***	E4097+E4107		$0.41
4110				
4111	***Other Direct Expenses***			
4112	Network Operations	D4112*E4109	0.050289	$0.02
4113	Network Support Assets	D4113*E4109	0.015375	$0.01
4114	General Support Assets	D4114*E4109	0.080638	$0.03
4115	General Purpose Computers	D4115*E4109	0.036437	$0.01
4116	Uncollectible	D4116*E4109	0.001017	$0.00
4117	Accounting & Finance Expense	D4117*E4109	0.007523	$0.00
4118	Human Resources Expense	D4118*E4109	0.007263	$0.00
4119	Information Management Expense	D4119*E4109	0.051570	$0.02
4120	Intangibles	D4120*E4109	0.002516	$0.00
4121	***Total Other Direct Expenses***	Sum(E4112:E4120)		$0.10
4122				
4123	***TELRIC***	E4112+E4121		$0.51
4124				
4125	***Common***			
4126	Executive Expense	D4126*E4123	0.005786	$0.00
4127	Planning Expense	D4127*E4123	0.000498	$0.00
4128	External Relations Expense	D4128*E4123	0.008170	$0.00
4129	Legal Expense	D4129*E4123	0.005352	$0.00
4130	Other Procurement Expense	D4130*E4123	0.002025	$0.00
4131	Research & Development Expense	D4131*E4123	0.000031	$0.00
4132	Other General and Admin Expense	D4132*E4123	0.015781	$0.01
4133	***Common Costs***	Sum(E4126:E4132)		$0.02
4134				
4135	***TELRIC + Common Costs***	E4123+E4133		$0.53

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
TIME OF DAY ROUTING, per line								
ADD								
-RCMAC								
1st proability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
-NROC								
1st probability is times per system divided by 200 lines in system								
2nd probability is % by switch type								
Administration - sw2	30	0.005	0.340			0.05	$41.45	$0.04
Maintenance - sw2	75	0.005	0.340			0.13	$41.45	$0.09
Subtotal - NROC						**0.18**		**$0.12**
Total For Service:						**0.52**		**$0.37**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob (C)	Prob (D)	Prob (E)	Prob (F)	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TIME OF DAY ROUTING, per line (con't)

		Cost Calculation	Cost Factor	Cost
4187	Direct Cost			
4188				
4189				
4190				
4191		B	C	D
4192	***Marketing & Business Fees***			
4193	Product Management Expense	D4193*E4187	0.034281	$0.01
4194	Sales Expense	D4194*E4187	0.011333	$0.00
4195	Product Advertising Expense	D4195*E4187	0.000000	$0.00
4196	Business Fees (Other Operating Taxes)	D4196*Sum(E4187:E4195)	0.001848	$0.00
4197	***Total Marketing & Business Fees***	Sum(E4193:E4196)		$0.02
4198				
4199	***Sub-Total Direct Cost & Marketing***	E4187+E4197		$0.39
4200				
4201	***Other Direct Expenses***			
4202	Network Operations	D4202*E4199	0.050289	$0.02
4203	Network Support Assets	D4203*E4199	0.015375	$0.01
4204	General Support Assets	D4204*E4199	0.080638	$0.03
4205	General Purpose Computers	D4205*E4199	0.036437	$0.01
4206	Uncollectible	D4206*E4199	0.001017	$0.00
4207	Accounting & Finance Expense	D4207*E4199	0.007523	$0.00
4208	Human Resources Expense	D4208*E4199	0.007263	$0.00
4209	Information Management Expense	D4209*E4199	0.051570	$0.02
4210	Intangibles	D4210*E4199	0.002516	$0.00
4211	***Total Other Direct Expenses***	Sum(E4202:E4210)		$0.10
4212				
4213	***TELRIC***	E4202+E4211		$0.49
4214				
4215	***Common***			
4216	Executive Expense	D4216*E4213	0.005786	$0.00
4217	Planning Expense	D4217*E4213	0.000498	$0.00
4218	External Relations Expense	D4218*E4213	0.008170	$0.00
4219	Legal Expense	D4219*E4213	0.005352	$0.00
4220	Other Procurement Expense	D4220*E4213	0.002025	$0.00
4221	Research & Development Expense	D4221*E4213	0.000031	$0.00
4222	Other General and Admin Expense	D4222*E4213	0.015781	$0.01
4223	***Common Costs***	Sum(E4216:E4222)		$0.02
4224				
4225	***TELRIC + Common Costs***	E4213+E4223		$0.51

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**0.34**		**$0.25**
-NROC								
1st probability is times per system divided by 200 lines in system								
2nd probability is % by switch type								
Administration - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.05**		**$0.04**
Total For Service:						**0.39**		**$0.28**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time	Time Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED (con't)

		Cost Calculation	Cost Factor	Cost
		B	C	D	E
4277	Direct Cost			
4278				
4279				
4280				
4281				
4282	***Marketing & Business Fees***			
4283	Product Management Expense	D4283*E4277	0.034281	$0.01
4284	Sales Expense	D4284*E4277	0.011333	$0.00
4285	Product Advertising Expense	D4285*E4277	0.000000	$0.00
4286	Business Fees (Other Operating Taxes)	D4286*Sum(E4277:E4285)	0.001848	$0.00
4287	***Total Marketing & Business Fees***	Sum(E4283:E4286)		$0.01
4288				
4289	***Sub-Total Direct Cost & Marketing***	E4277+E4287		$0.30
4290				
4291	***Other Direct Expenses***			
4292	Network Operations	D4292*E4289	0.050289	$0.01
4293	Network Support Assets	D4293*E4289	0.015375	$0.00
4294	General Support Assets	D4294*E4289	0.080638	$0.02
4295	General Purpose Computers	D4295*E4289	0.036437	$0.01
4296	Uncollectible	D4296*E4289	0.001017	$0.00
4297	Accounting & Finance Expense	D4297*E4289	0.007523	$0.00
4298	Human Resources Expense	D4298*E4289	0.007263	$0.00
4299	Information Management Expense	D4299*E4289	0.051570	$0.02
4300	Intangibles	D4300*E4289	0.002516	$0.00
4301	***Total Other Direct Expenses***	Sum(E4292:E4300)		$0.06
4302				
4303	***TELRIC***	E4292+E4301		$0.37
4304				
4305	***Common***			
4306	Executive Expense	D4306*E4303	0.005786	$0.00
4307	Planning Expense	D4307*E4303	0.000498	$0.00
4308	External Relations Expense	D4308*E4303	0.008170	$0.00
4309	Legal Expense	D4309*E4303	0.005352	$0.00
4310	Other Procurement Expense	D4310*E4303	0.002025	$0.00
4311	Research & Development Expense	D4311*E4303	0.000031	$0.00
4312	Other General and Admin Expense	D4312*E4303	0.015781	$0.01
4313	***Common Costs***	Sum(E4306:E4312)		$0.01
4314				
4315	***TELRIC + Common Costs***	E4303+E4313		$0.39

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line								
ADD								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
Total For Service:						**0.66**		**$0.48**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line (con't)

4367	**Direct Cost**				$0.49
4368					
4369		Cost Calculation		Cost Factor	Cost
4370		B	C	D	E
4371					
4372	***Marketing & Business Fees***				
4373	Product Management Expense	D4373*E4367		0.034281	$0.02
4374	Sales Expense	D4374*E4367		0.011333	$0.01
4375	Product Advertising Expense	D4375*E4367		0.000000	$0.00
4376	Business Fees (Other Operating Taxes)	D4376*Sum(E4367:E4375)		0.001848	$0.00
4377	***Total Marketing & Business Fees***	Sum(E4373:E4376)			$0.02
4378					
4379	***Sub-Total Direct Cost & Marketing***	E4367+E4377			$0.50
4380					
4381	***Other Direct Expenses***				
4382	Network Operations	D4382*E4379		0.050289	$0.03
4383	Network Support Assets	D4383*E4379		0.015375	$0.01
4384	General Support Assets	D4384*E4379		0.080638	$0.04
4385	General Purpose Computers	D4385*E4379		0.036437	$0.02
4386	Uncollectible	D4386*E4379		0.001017	$0.00
4387	Accounting & Finance Expense	D4387*E4379		0.007523	$0.00
4388	Human Resources Expense	D4388*E4379		0.007263	$0.00
4389	Information Management Expense	D4389*E4379		0.051570	$0.03
4390	Intangibles	D4390*E4379		0.002516	$0.00
4391	***Total Other Direct Expenses***	Sum(E4382:E4390)			$0.13
4392					
4393	***TELRIC***	E4382+E4391			$0.63
4394					
4395	***Common***				
4396	Executive Expense	D4396*E4393		0.005786	$0.00
4397	Planning Expense	D4397*E4393		0.000498	$0.00
4398	External Relations Expense	D4398*E4393		0.008170	$0.01
4399	Legal Expense	D4399*E4393		0.005352	$0.00
4400	Other Procurement Expense	D4400*E4393		0.002025	$0.00
4401	Research & Development Expense	D4401*E4393		0.000031	$0.00
4402	Other General and Admin Expense	D4402*E4393		0.015781	$0.01
4403	***Common Costs***	Sum(E4396:E4402)			$0.02
4404					
4405	***TELRIC + Common Costs***	E4393+E4403			$0.66

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION								
ADD								
-CUSTOMER COMMUNICATIONS TECHNICIAN								
1st column = time								
2nd column = occurrence								
Initial training	240	1.000				240.00	$43.81	$175.24
Follow up training - Clarify & cover features	120	1.000				120.00	$43.81	$87.62
Cover enhance to software package	120	1.000				120.00	$43.81	$87.62
Loading CCRS database - Initial system	480	1.000				480.00	$43.81	$350.48
Subtotal - CUSTOMER COMMUNICATIONS TECHNICIAN						**960.00**		**$700.96**
Total For Service:						**960.00**		**$700.96**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION (con't)

4457	**Direct Cost**			[illegible]
4458				
4459		Cost Calculation	Cost Factor	Cost
4460				
4461		B	C	D
4462	***Marketing & Business Fees***			
4463	Product Management Expense	D4463*E4457	0.034281	$24.03
4464	Sales Expense	D4464*E4457	0.011333	$7.94
4465	Product Advertising Expense	D4465*E4457	0.000000	$0.00
4466	Business Fees (Other Operating Taxes)	D4466*Sum(E4457:E4465)	0.001848	$1.35
4467	***Total Marketing & Business Fees***	Sum(E4463:E4466)		$33.33
4468				
4469	***Sub-Total Direct Cost & Marketing***	E4457+E4467		$734.29
4470				
4471	***Other Direct Expenses***			
4472	Network Operations	D4472*E4469	0.050289	$36.93
4473	Network Support Assets	D4473*E4469	0.015375	$11.29
4474	General Support Assets	D4474*E4469	0.080638	$59.21
4475	General Purpose Computers	D4475*E4469	0.036437	$26.76
4476	Uncollectible	D4476*E4469	0.001017	$0.75
4477	Accounting & Finance Expense	D4477*E4469	0.007523	$5.52
4478	Human Resources Expense	D4478*E4469	0.007263	$5.33
4479	Information Management Expense	D4479*E4469	0.051570	$37.87
4480	Intangibles	D4480*E4469	0.002516	$1.85
4481	***Total Other Direct Expenses***	Sum(E4472:E4480)		$185.50
4482				
4483	***TELRIC***	E4472+E4481		$919.79
4484				
4485	***Common***			
4486	Executive Expense	D4486*E4483	0.005786	$5.32
4487	Planning Expense	D4487*E4483	0.000498	$0.46
4488	External Relations Expense	D4488*E4483	0.008170	$7.51
4489	Legal Expense	D4489*E4483	0.005352	$4.92
4490	Other Procurement Expense	D4490*E4483	0.002025	$1.86
4491	Research & Development Expense	D4491*E4483	0.000031	$0.03
4492	Other General and Admin Expense	D4492*E4483	0.015781	$14.52
4493	***Common Costs***	Sum(E4486:E4492)		$34.62
4494				
4495	***TELRIC + Common Costs***	E4483+E4493		$954.41

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Appl. Time (Minutes)	Labor Rate	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION								
ADD								
-CUSTOMER COMMUNICATIONS TECH								
1st column = time for system establishment								
2nd column = occurrence								
Loading CCRS database	480	1.000				480.00	$43.81	$350.48
Subtotal - CUSTOMER COMMUNICATIONS TECH						**480.00**		**$350.48**
Total For Service:						**480.00**		**$350.48**

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Prob #6	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION (con't)

		Cost Calculation	Cost Factor	Cost
4547	**Direct Cost**			[illegible]
4548				
4549				
4550				
4551		B	C	D
4552	***Marketing & Business Fees***			
4553	Product Management Expense	D4553*E4547	0.034281	$12.01
4554	Sales Expense	D4554*E4547	0.011333	$3.97
4555	Product Advertising Expense	D4555*E4547	0.000000	$0.00
4556	Business Fees (Other Operating Taxes)	D4556*Sum(E4547:E4555)	0.001848	$0.68
4557	***Total Marketing & Business Fees***	Sum(E4553:E4556)		$16.66
4558				
4559	***Sub-Total Direct Cost & Marketing***	E4547+E4557		$367.14
4560				
4561	***Other Direct Expenses***			
4562	Network Operations	D4562*E4559	0.050289	$18.46
4563	Network Support Assets	D4563*E4559	0.015375	$5.64
4564	General Support Assets	D4564*E4559	0.080638	$29.61
4565	General Purpose Computers	D4565*E4559	0.036437	$13.38
4566	Uncollectible	D4566*E4559	0.001017	$0.37
4567	Accounting & Finance Expense	D4567*E4559	0.007523	$2.76
4568	Human Resources Expense	D4568*E4559	0.007263	$2.67
4569	Information Management Expense	D4569*E4559	0.051570	$18.93
4570	Intangibles	D4570*E4559	0.002516	$0.92
4571	***Total Other Direct Expenses***	Sum(E4562:E4570)		$92.75
4572				
4573	***TELRIC***	E4562+E4571		$459.89
4574				
4575	***Common***			
4576	Executive Expense	D4576*E4573	0.005786	$2.66
4577	Planning Expense	D4577*E4573	0.000498	$0.23
4578	External Relations Expense	D4578*E4573	0.008170	$3.76
4579	Legal Expense	D4579*E4573	0.005352	$2.46
4580	Other Procurement Expense	D4580*E4573	0.002025	$0.93
4581	Research & Development Expense	D4581*E4573	0.000031	$0.01
4582	Other General and Admin Expense	D4582*E4573	0.015781	$7.26
4583	***Common Costs***	Sum(E4576:E4582)		$17.31
4584				
4585	***TELRIC + Common Costs***	E4573+E4583		$477.21

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Applied Time (Minutes)	Rate Per Hour	Cost
A	B	C	D	E	F		G	H	I
							B * (C Thru F)		H * (G/60)
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM									
ADD									
-CUSTOMER COMMUNICATIONS TECH									
1st column = time for system establishment									
2nd column = occurrence									
System installation	480	1.000					480.00	$43.81	$350.48
Subtotal - CUSTOMER COMMUNICATIONS TECH							**480.00**		**$350.48**
Total For Service:							**480.00**		**$350.48**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

CMS - PACKET CONTROL CAPABILITY, PER SYSTEM (con't)

4637	**Direct Cost**			**$350.48**
4638				
4639		**Cost Calculation**	**Cost Factor**	**Cost**
4640		**B**	**D**	**E**
4641				
4642	***Marketing & Business Fees***			
4643	Product Management Expense	D4643*E4637	0.034281	$12.01
4644	Sales Expense	D4644*E4637	0.011333	$3.97
4645	Product Advertising Expense	D4645*E4637	0.000000	$0.00
4646	Business Fees (Other Operating Taxes)	D4646*Sum(E4637:E4645)	0.001848	$0.68
4647	***Total Marketing & Business Fees***	Sum(E4643:E4646)		$16.66
4648				
4649	***Sub-Total Direct Cost & Marketing***	E4637+E4647		$367.14
4650				
4651	***Other Direct Expenses***			
4652	Network Operations	D4652*E4649	0.050289	$18.46
4653	Network Support Assets	D4653*E4649	0.015375	$5.64
4654	General Support Assets	D4654*E4649	0.080638	$29.61
4655	General Purpose Computers	D4655*E4649	0.036437	$13.38
4656	Uncollectible	D4656*E4649	0.001017	$0.37
4657	Accounting & Finance Expense	D4657*E4649	0.007523	$2.76
4658	Human Resources Expense	D4658*E4649	0.007263	$2.67
4659	Information Management Expense	D4659*E4649	0.051570	$18.93
4660	Intangibles	D4660*E4649	0.002516	$0.92
4661	***Total Other Direct Expenses***	Sum(E4652:E4660)		$92.75
4662				
4663	***TELRIC***	E4652+E4661		$459.89
4664				
4665	***Common***			
4666	Executive Expense	D4666*E4663	0.005786	$2.66
4667	Planning Expense	D4667*E4663	0.000498	$0.23
4668	External Relations Expense	D4668*E4663	0.008170	$3.76
4669	Legal Expense	D4669*E4663	0.005352	$2.46
4670	Other Procurement Expense	D4670*E4663	0.002025	$0.93
4671	Research & Development Expense	D4671*E4663	0.000031	$0.01
4672	Other General and Admin Expense	D4672*E4663	0.015781	$7.26
4673	***Common Costs***	Sum(E4666:E4672)		$17.31
4674				
4675	***TELRIC + Common Costs***	E4663+E4673		$477.21

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION								
ADD								
-BUS/GOV SERVICE CENTER								
Additional time required to establish SMDR-P per centrex System Interface with customer, gather required information, negotiate due dates Prob #1 = Probability of occurrence								
Negotiate feature establishment	30	1.000				30.00	$39.16	$19.58
Issue form RG41-0057 to complex translations to provision service and to BGS carrier service delivery system to validate numbers and build SMDR tables Prob #1 = Probability of occurrence								
Comp & issue Form RG41-0057	30	1.000				30.00	$39.16	$19.58
Additional service order time to establish billing Prob #1 = Probability of occurrence								
Issue service order	5	1.000				5.00	$39.16	$3.26
Subtotal - BUS/GOV SERVICE CENTER						**65.00**		**$42.42**
-UNIQUE PRODUCT & SERVICE GROUP								
Carrier service delivery system - Customer Communications Tech Time required to build SMDR table from Form RG41-0057 Prob #1 = Probability of occurrence								
Build Table	240	1.000				240.00	$37.78	$151.12
Subtotal - UNIQUE PRODUCT & SERVICE GROUP						**240.00**		**$151.12**
-COMPLEX TRANSLATIONS - NROC - ADMINISTRATION								
Prob #1 = Probability of occurrence								
Administrative	15	1.000				15.00	$41.45	$10.36
Subtotal - COMPLEX TRANSLATIONS - NROC - ADMINISTRATION						**15.00**		**$10.36**
-COMPLEX TRANSLATIONS - NROC - MAINTENANCE								
Prob #1 = Probability of occurrence								
Maintenance	45	1.000				45.00	$41.45	$31.09
Subtotal - COMPLEX TRANSLATIONS - NROC - MAINTENANCE						**45.00**		**$31.09**
-SERVICE ORDER ENTRY CENTER								
Additional order entry time								

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION (con't)								
Prob #1 = % of time additional order entry time is required								
Prob #2 = % of time manual order entry is required								
Cent Sys Feature per feature	5	1.000	1.000			5.00	$39.16	$3.26
Subtotal - SERVICE ORDER ENTRY CENTER						5.00		$3.26
DISCONNECT								
-BGS/GOV CENTER								
Additional service order time to change billing								
Prob #1 = Probability of occurrence								
Issue Disconnect service order	5	1.000				5.00	$39.16	$3.26
Subtotal - BGS/GOV CENTER						5.00		$3.26
-SERVICE ORDER ENTRY CENTER								
Additional order entry time								
Prob #1 = % of time additional order entry time is required								
Prob #2 = % of time manual order entry is required								
Disc Cent Sys Feature per feature	5	1.000				5.00	$39.16	$3.26
Subtotal - SERVICE ORDER ENTRY CENTER						5.00		$3.26
Total For Service:						380.00		$244.78

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION (con't)

4772	**Direct Cost**			
4773				
4774		Cost Calculation	Cost Factor	Cost
4775				
4776		B C	D	E
4777	***Marketing & Business Fees***			
4778	Product Management Expense	D4778*E4772	0.034281	$8.39
4779	Sales Expense	D4779*E4772	0.011333	$2.77
4780	Product Advertising Expense	D4780*E4772	0.000000	$0.00
4781	Business Fees (Other Operating Taxes)	D4781*Sum(E4772:E4780)	0.001848	$0.47
4782	***Total Marketing & Business Fees***	Sum(E4778:E4781)		$11.64
4783				
4784	***Sub-Total Direct Cost & Marketing***	E4772+E4782		$256.42
4785				
4786	***Other Direct Expenses***			
4787	Network Operations	D4787*E4784	0.050289	$12.90
4788	Network Support Assets	D4788*E4784	0.015375	$3.94
4789	General Support Assets	D4789*E4784	0.080638	$20.68
4790	General Purpose Computers	D4790*E4784	0.036437	$9.34
4791	Uncollectible	D4791*E4784	0.001017	$0.26
4792	Accounting & Finance Expense	D4792*E4784	0.007523	$1.93
4793	Human Resources Expense	D4793*E4784	0.007263	$1.86
4794	Information Management Expense	D4794*E4784	0.051570	$13.22
4795	Intangibles	D4795*E4784	0.002516	$0.65
4796	***Total Other Direct Expenses***	Sum(E4787:E4795)		$64.78
4797				
4798	***TELRIC***	E4787+E4796		$321.20
4799				
4800	***Common***			
4801	Executive Expense	D4801*E4798	0.005786	$1.86
4802	Planning Expense	D4802*E4798	0.000498	$0.16
4803	External Relations Expense	D4803*E4798	0.008170	$2.62
4804	Legal Expense	D4804*E4798	0.005352	$1.72
4805	Other Procurement Expense	D4805*E4798	0.002025	$0.65
4806	Research & Development Expense	D4806*E4798	0.000031	$0.01
4807	Other General and Admin Expense	D4807*E4798	0.015781	$5.07
4808	***Common Costs***	Sum(E4801:E4807)		$12.09
4809				
4810	***TELRIC + Common Costs***	E4798+E4808		$333.29

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Rate	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
SMDR-P - ARCHIVED DATA								
ADD								
-CCT - COMM CUST TECH								
Rep takes the request and prepares paperwork								
Prob #1 = Probability of occurrence								
SMDR-P paperwork per request	45	1.000				45.00	$43.81	$32.86
MANAGER								
Grade 4 manager coordinates work flow & delivery								
Prob #1 = Probability of occurrence								
SMDR work flow	60	1.000				60.00	$56.97	$56.97
CSA - Computer Systems Administrator								
Prob #1 = Probability of occurrence								
Tape Transfers	60	1.000				60.00	$38.08	$38.08
Subtotal - CCT - COMM CUST TECH						**165.00**		**$127.91**
Total For Service:						**165.00**		**$127.91**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

SMDR-P - ARCHIVED DATA (con't)

4862	**Direct Cost**				$127.91
4863					
4864		Cost Calculation		Cost Factor	Cost
4865		B	C	D	E
4866					
4867	***Marketing & Business Fees***				
4868	Product Management Expense	D4868*E4862		0.034281	$4.38
4869	Sales Expense	D4869*E4862		0.011333	$1.45
4870	Product Advertising Expense	D4870*E4862		0.000000	$0.00
4871	Business Fees (Other Operating Taxes)	D4871*Sum(E4862:E4870)		0.001848	$0.25
4872	***Total Marketing & Business Fees***	Sum(E4868:E4871)			$6.08
4873					
4874	***Sub-Total Direct Cost & Marketing***	E4862+E4872			$133.99
4875					
4876	***Other Direct Expenses***				
4877	Network Operations	D4877*E4874		0.050289	$6.74
4878	Network Support Assets	D4878*E4874		0.015375	$2.06
4879	General Support Assets	D4879*E4874		0.080638	$10.80
4880	General Purpose Computers	D4880*E4874		0.036437	$4.88
4881	Uncollectible	D4881*E4874		0.001017	$0.14
4882	Accounting & Finance Expense	D4882*E4874		0.007523	$1.01
4883	Human Resources Expense	D4883*E4874		0.007263	$0.97
4884	Information Management Expense	D4884*E4874		0.051570	$6.91
4885	Intangibles	D4885*E4874		0.002516	$0.34
4886	***Total Other Direct Expenses***	Sum(E4877:E4885)			$33.85
4887					
4888	***TELRIC***	E4877+E4886			$167.84
4889					
4890	***Common***				
4891	Executive Expense	D4891*E4888		0.005786	$0.97
4892	Planning Expense	D4892*E4888		0.000498	$0.08
4893	External Relations Expense	D4893*E4888		0.008170	$1.37
4894	Legal Expense	D4894*E4888		0.005352	$0.90
4895	Other Procurement Expense	D4895*E4888		0.002025	$0.34
4896	Research & Development Expense	D4896*E4888		0.000031	$0.01
4897	Other General and Admin Expense	D4897*E4888		0.015781	$2.65
4898	***Common Costs***	Sum(E4891:E4897)			$6.32
4899					
4900	***TELRIC + Common Costs***	E4888+E4898			$174.16

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SUBSEQUENT ORDER CHARGE								
ADD								
-ISC - INTERCONNECT SERVICE CENTER								
PROVISION SUBSEQUESNT ORDER	15	1.000				15.00	$39.16	$9.79
Subtotal - ISC - INTERCONNECT SERVICE CENTER						**15.00**		**$9.79**
Total For Service:						**15.00**		**$9.79**

State: Arizona

	Work Item	Time Minutes	Factor F1	Factor F2	Factor F3	Factor F4	Applicable Minutes	Labor Rate/Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

SUBSEQUENT ORDER CHARGE (con't)

		Cost Calculation	Cost Factor	Cost
4952	**Direct Cost**			$9.79
4953				
4954				
4955				
4956				
4957	***Marketing & Business Fees***			
4958	Product Management Expense	D4958*E4952	0.034281	$0.34
4959	Sales Expense	D4959*E4952	0.011333	$0.11
4960	Product Advertising Expense	D4960*E4952	0.000000	$0.00
4961	Business Fees (Other Operating Taxes)	D4961*Sum(E4952:E4960)	0.001848	$0.02
4962	***Total Marketing & Business Fees***	Sum(E4958:E4961)		$0.47
4963				
4964	***Sub-Total Direct Cost & Marketing***	E4952+E4962		$10.26
4965				
4966	***Other Direct Expenses***			
4967	Network Operations	D4967*E4964	0.050289	$0.52
4968	Network Support Assets	D4968*E4964	0.015375	$0.16
4969	General Support Assets	D4969*E4964	0.080638	$0.83
4970	General Purpose Computers	D4970*E4964	0.036437	$0.37
4971	Uncollectible	D4971*E4964	0.001017	$0.01
4972	Accounting & Finance Expense	D4972*E4964	0.007523	$0.08
4973	Human Resources Expense	D4973*E4964	0.007263	$0.07
4974	Information Management Expense	D4974*E4964	0.051570	$0.53
4975	Intangibles	D4975*E4964	0.002516	$0.03
4976	***Total Other Direct Expenses***	Sum(E4967:E4975)		$2.59
4977				
4978	***TELRIC***	E4967+E4976		$12.85
4979				
4980	***Common***			
4981	Executive Expense	D4981*E4978	0.005786	$0.07
4982	Planning Expense	D4982*E4978	0.000498	$0.01
4983	External Relations Expense	D4983*E4978	0.008170	$0.10
4984	Legal Expense	D4984*E4978	0.005352	$0.07
4985	Other Procurement Expense	D4985*E4978	0.002025	$0.03
4986	Research & Development Expense	D4986*E4978	0.000031	$0.00
4987	Other General and Admin Expense	D4987*E4978	0.015781	$0.20
4988	***Common Costs***	Sum(E4981:E4987)		$0.48
4989				
4990	***TELRIC + Common Costs***	E4978+E4988		$13.33

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
BRI ISDN DIGITAL LINE PORT								
ADD								
-INTERCONNECTION SERVICE CENTER								
Prob #1 = times								
Prob #2 = 50% of the accounts will have directory advertising								
Review LSR for completeness & accuracy	0.5	1.000				0.50	$39.16	$0.33
Verifies CFA in TIRKS	2.5	1.000				2.50	$39.16	$1.63
Type order & installation option	2.5	1.000				2.50	$39.16	$1.63
Verify if USW svc is to be disconnect	1	1.000				1.00	$39.16	$0.65
Determine if end user has USW Directory Ad	1	1.000				1.00	$39.16	$0.65
Determine if end user has USW retail contract	1	1.000				1.00	$39.16	$0.65
Validate switch location & port available	5	1.000				5.00	$39.16	$3.26
Obtain telephone numbers	5	1.000				5.00	$39.16	$3.26
Determine critical dates	2	1.000				2.00	$39.16	$1.31
Remove DA from account	3	0.500				1.50	$39.16	$0.98
Review Firm Order Commitment	1	1.000				1.00	$39.16	$0.65
Input Unbundled port order so process	10	1.000				10.00	$39.16	$6.53
Subtotal - INTERCONNECTION SERVICE CENTER						33.00		$21.54
-LOOP PROVISIONING CENTER								
Prob #1 = times								
Prob #2 = % of orders manually assigned includes orders not assigned in FACS.								
Clearing time per RMA	11.25	0.400				4.50	$37.78	$2.83
Subtotal - LOOP PROVISIONING CENTER						4.50		$2.83
-RCMAC								
Prob #1 = times								
prob #2 = % by switch type								
Translations - SW1	10	0.660				6.60	$43.81	$4.82
Translations - SW2	7	0.340				2.38	$43.81	$1.74
Subtotal - RCMAC						8.98		$6.56
-DESIGNED SERVICE CENTER - DESIGN								
Prob #1 = times								
Prob #2 = % of order items that require manual processing								
Order handling/screening	5	0.200				1.00	$44.31	$0.74
GOC order log	6	0.200				1.20	$44.31	$0.89
Enter WA mask	5	0.800				4.00	$44.31	$2.95
Circuit design	30	1.000				30.00	$44.31	$22.16

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
BRI ISDN DIGITAL LINE PORT (con't)								
Distribute WORD doc	2	0.900				1.80	$44.31	$1.33
Subtotal - DESIGNED SERVICE CENTER - DESIGN						**38.00**		**$28.06**
-CENTRAL OFFICE TECHNICIAN - LNO/CO								
Prob #1 = times								
Analyze Order	5	1.000				5.00	$43.81	$3.65
Complete Cross-Connect	4	1.000				4.00	$43.81	$2.92
Perform Comformance testing	7	1.000				7.00	$43.81	$5.11
Complete DD work status with CCT-I	3	1.000				3.00	$43.81	$2.19
Post DVA work complete in WFA-DI	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN - LNO/CO						**21.00**		**$15.33**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = times								
Screen Work Force Administration for Circuit	5	1.000				5.00	$43.81	$3.65
Verify LNO completion	5	1.000				5.00	$43.81	$3.65
Monitor Performance testing	15	1.000				15.00	$43.81	$10.95
Notify Co-Provider of work completion	5	1.000				5.00	$43.81	$3.65
Post Order Complete in Work Force Administration- Control Module	10	1.000				10.00	$43.81	$7.30
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**40.00**		**$29.21**
-CORAC/DISPATCH CENTER								
Prob #1 = times								
Prob #2 = CRON'd fallout (manual load)								
Screen Order	2	0.150				0.30	$37.78	$0.19
Load work request to Technician	5	0.150				0.75	$37.78	$0.47
Closeout work request with Technician	3	0.150				0.45	$37.78	$0.28
Subtotal - CORAC/DISPATCH CENTER						**1.50**		**$0.94**
-RCMAC								
1st probability is % by switch type								
B CHANNEL CIRCUIT SWITCHED DATA - 5E	8	0.660				5.28	$43.81	$3.86
B CHANNEL CIRCUIT SWITCHED DATA - DMS	8	0.340				2.72	$43.81	$1.99
CALL APPEARANCE - 5E	1	0.660				0.66	$43.81	$0.48
CALL APPEARANCE - DMS	1	0.340				0.34	$43.81	$0.25
CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$0.25
D CHANNEL PACKET SWITCHED DATA - 5E	8	0.660				5.28	$43.81	$3.86
D CHANNEL PACKET SWITCHED DATA - DMS	8	0.340				2.72	$43.81	$1.99

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
BRI ISDN DIGITAL LINE PORT (con't)								
ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.660				0.66	$43.81	$0.48
ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.660				0.66	$43.81	$0.48
RINGING NORMAL - DMS	1	0.340				0.34	$43.81	$0.25
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.660				0.66	$43.81	$0.48
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.340				0.34	$43.81	$0.25
X.25 LOGICAL CHANNELS - 5E	1	0.660				0.66	$43.81	$0.48
X.25 LOGICAL CHANNELS - DMS	1	0.340				0.34	$43.81	$0.25
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E	1	0.660				0.66	$43.81	$0.48
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**22.66**		**$16.55**
-COMPLEX TRANSLATIONS								
1st probability is % by switch type								
2nd probability weighting of SLS line counts to ISDN equipped Central Offices								
(137,938 lines to 382 central offices)								
COMMON BLOCK - 5E	10	0.660	0.003			0.02	$41.45	$0.01
COMMON BLOCK - 5E	10	0.660	0.003			0.02	$41.45	$0.01
COMMON BLOCK - DMS	335	0.340	0.003			0.34	$41.45	$0.24
COMMON BLOCK - DMS	580	0.340	0.003			0.59	$41.45	$0.41
D CHANNEL PACKET SWITCHED DATA - DMS	15	0.340	0.003			0.02	$41.45	$0.01
D CHANNEL PACKET SWITCHED DATA - DMS	10	0.340	0.003			0.01	$41.45	$0.01
CALLER ID BLOCKING, PER BRS - DMS	10	0.340	0.003			0.01	$41.45	$0.01
CALLER ID BLOCKING, PER BRS - DMS	5	0.340	0.003			0.01	$41.45	$0.00
1st probability is % of time this product requires complex translations work								
2nd probability average numbe of buttons per configuration group								
3rd probability weighting of SLS line counts to ISDN equipped Central Offices								
(137,938 lines to 382 central offices)								
CONFIGURATION GROUP - ADMINISTRATION	30	1.000	0.060	0.003		0.01	$41.45	$0.00
PER BUTTON - ADMINISTRATION	7	1.000		0.003		0.02	$41.45	$0.01
CONFIGURATION GROUP - MAINTENANCE	30	1.000	0.060	0.003		0.01	$41.45	$0.00
PER BUTTON - MAINTENANCE	5	1.000		0.003		0.02	$41.45	$0.01
Subtotal - COMPLEX TRANSLATIONS						**1.06**		**$0.73**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = times								
Review LSR for completeness & accuracy	1	1.000				1.00	$39.16	$0.65
Verify existing account and close bill	2	1.000				2.00	$39.16	$1.31
Input disconnect of port	8	1.000				8.00	$39.16	$5.22

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
BRI ISDN DIGITAL LINE PORT (con't)								
Subtotal - INTERCONNECT SERVICE CENTER						**11.00**		**$7.18**
-LOOP PROVISIONING CENTER								
Prob #1 = times								
Prob #2 = % of orders manually assigned includes orders not assigned in FACS.								
Clearing time per RMA	11.25	0.400				4.50	$37.78	$2.83
Subtotal - LOOP PROVISIONING CENTER						**4.50**		**$2.83**
-RCMAC								
Prob #1 = times								
Prob #2 = % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**1.00**		**$0.73**
-DESIGNED SERVICE CENTER - DESIGN								
Prob #1 = times								
Prob #2 = % of orders requiring manual processing								
ORDER HANDLING/SCREENING	5	0.100				0.50	$44.31	$0.37
GOC ORDER LOG	6	0.100				0.60	$44.31	$0.44
ENTER WA MASK	5	0.100				0.50	$44.31	$0.37
DISCONNECT CIRCUIT	5	0.100				0.50	$44.31	$0.37
DISTRIBUTE WORD DOC	2	0.100				0.20	$44.31	$0.15
Subtotal - DESIGNED SERVICE CENTER - DESIGN						**2.30**		**$1.70**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = times								
Screen Work Force Administration for Circuit for order accuracy	5	1.000				5.00	$43.81	$3.65
Contact Co-Provider	5	1.000				5.00	$43.81	$3.65
Complete order in Work Force Administration - Control Module	5	1.000				5.00	$43.81	$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**15.00**		**$10.95**
-CENTRAL OFFICE TECHNICIAN - LNO/CO								
Prob #1 = times								
Analyze Order	5	1.000				5.00	$43.81	$3.65
Remove Cross - connect	2.3	1.000				2.30	$43.81	$1.68
Complete work request in Work Force Administration - Dispatch In Module	2	1.000				2.00	$43.81	$1.46

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
BRI ISDN DIGITAL LINE PORT (con't)								
Subtotal - CENTRAL OFFICE TECHNICIAN - LNO/CO						**9.30**		**$6.79**
-RCMAC								
1st probability is % by switch type								
B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.660				0.66	$43.81	$0.48
B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.340				0.34	$43.81	$0.25
CALL APPEARANCE - 5E	1	0.660				0.66	$43.81	$0.48
CALL APPEARANCE - DMS	1	0.340				0.34	$43.81	$0.25
CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$0.25
D CHANNEL PACKET SWITCHED DATA - 5E	1	0.660				0.66	$43.81	$0.48
D CHANNEL PACKET SWITCHED DATA - DMS	1	0.340				0.34	$43.81	$0.25
ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.660				0.66	$43.81	$0.48
ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.660				0.66	$43.81	$0.48
RINGING NORMAL - DMS	1	0.340				0.34	$43.81	$0.25
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.660				0.66	$43.81	$0.48
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.340				0.34	$43.81	$0.25
X.25 LOGICAL CHANNELS - 5E	1	0.660				0.66	$43.81	$0.48
X.25 LOGICAL CHANNELS - DMS	1	0.340				0.34	$43.81	$0.25
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E	1	0.660				0.66	$43.81	$0.48
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**6.66**		**$6.32**
Total For Service:						**222.46**		**$158.26**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Adjusted Time (Minutes)	Labor Hours	Cost
	A	B	C	D	E	F		G	H	I
								B * (C Thru F)		H * (G/60)

BRI ISDN DIGITAL LINE PORT (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
5222	Direct Cost			$165.79
5223				
5224				
5225				
5226				
5227	***Marketing & Business Fees***			
5228	Product Management Expense	D5228*E5222	0.034281	$5.43
5229	Sales Expense	D5229*E5222	0.011333	$1.79
5230	Product Advertising Expense	D5230*E5222	0.000000	$0.00
5231	Business Fees (Other Operating Taxes)	D5231*Sum(E5222:E5230)	0.001848	$0.31
5232	***Total Marketing & Business Fees***	Sum(E5228:E5231)		$7.52
5233				
5234	***Sub-Total Direct Cost & Marketing***	E5222+E5232		$165.79
5235				
5236	***Other Direct Expenses***			
5237	Network Operations	D5237*E5234	0.050289	$8.34
5238	Network Support Assets	D5238*E5234	0.015375	$2.55
5239	General Support Assets	D5239*E5234	0.080638	$13.37
5240	General Purpose Computers	D5240*E5234	0.036437	$6.04
5241	Uncollectible	D5241*E5234	0.001017	$0.17
5242	Accounting & Finance Expense	D5242*E5234	0.007523	$1.25
5243	Human Resources Expense	D5243*E5234	0.007263	$1.20
5244	Information Management Expense	D5244*E5234	0.051570	$8.55
5245	Intangibles	D5245*E5234	0.002516	$0.42
5246	***Total Other Direct Expenses***	Sum(E5237:E5245)		$41.88
5247				
5248	***TELRIC***	E5237+E5246		$207.67
5249				
5250	***Common***			
5251	Executive Expense	D5251*E5248	0.005786	$1.20
5252	Planning Expense	D5252*E5248	0.000498	$0.10
5253	External Relations Expense	D5253*E5248	0.008170	$1.70
5254	Legal Expense	D5254*E5248	0.005352	$1.11
5255	Other Procurement Expense	D5255*E5248	0.002025	$0.42
5256	Research & Development Expense	D5256*E5248	0.000031	$0.01
5257	Other General and Admin Expense	D5257*E5248	0.015781	$3.28
5258	***Common Costs***	Sum(E5251:E5257)		$7.82
5259				
5260	***TELRIC + Common Costs***	E5248+E5258		$215.49

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MESSAGE TRUNK GROUP, FIRST TRUNK								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrences								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Validate Connecting Facilities Arrangement / Network Channel-Network Channel Interface	2	1.000				2.00	$39.16	$1.31
Validate switch location	10	1.000				10.00	$39.16	$6.53
Obtain Trunk Group Number and Route Index	20	1.000				20.00	$39.16	$13.05
Obtain Tele # / DID # Blocks	10	1.000				10.00	$39.16	$6.53
Determine Critical Dates	5	1.000				5.00	$39.16	$3.26
Confirm (Firm Order Confirmation) Local Service Request	5	1.000				5.00	$39.16	$3.26
Check for Service Order Analysis and Control errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue service order	15	1.000				15.00	$39.16	$9.79
Subtotal - INTERCONNECT SERVICE CENTER						**82.00**		**$53.52**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order handling/screening	5	0.200	0.042			0.04	$44.31	$0.03
Generic Order Control order log	6	0.200	0.042			0.05	$44.31	$0.04
Enter Work Authorization Mask	5	0.100	0.042			0.02	$44.31	$0.02
Circuit Design	20	0.100	0.042			0.08	$44.31	$0.06
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**0.20**		**$0.15**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Screen Work Force Administration-Control Module for order accuracy	10	1.000				10.00	$43.81	$7.30
Complete Performance Testing	45	1.000				45.00	$43.81	$32.86
Notify co-provider of work completion	5	1.000				5.00	$43.81	$3.65
Post order complete in Work Force Administration - Control Module	10	1.000				10.00	$43.81	$7.30
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**70.00**		**$51.11**
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Assign Trunk Group Number	10	0.500				5.00	$41.45	$3.45
Analyze Access Service Request/Translations Questionnaire	10	0.500				5.00	$41.45	$3.45
Build New Trunk Group	20	0.500				10.00	$41.45	$6.91

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MESSAGE TRUNK GROUP, FIRST TRUNK (con't)								
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUP						**20.00**		**$13.82**
-NROC - COMPLEX TRANSLATIONS - ROUTE INDEX								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Assign Route Index	10	0.500				5.00	$41.45	$3.45
Subtotal - NROC - COMPLEX TRANSLATIONS - ROUTE INDEX						**5.00**		**$3.45**
-NROC - COMPLEX TRANSLATIONS - TESTING								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Perform test call	5	0.500				2.50	$41.45	$1.73
Complete work item in Work Force Administration - Dispatch Module	5	0.500				2.50	$41.45	$1.73
Subtotal - NROC - COMPLEX TRANSLATIONS - TESTING						**5.00**		**$3.45**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrence								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Verify existing account activity	2	1.000				2.00	$39.16	$1.31
Check for Service Order Analysis and Control errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue service order	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**22.00**		**$14.36**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order screening/handling	5	0.100	0.042			0.02	$44.31	$0.02
Generic Order Control order log	6	0.100	0.042			0.03	$44.31	$0.02
Enter Work Authorization Mask	5	0.100	0.042			0.02	$44.31	$0.02
Disconnect Circuit	5	0.100	0.042			0.02	$44.31	$0.02
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**0.09**		**$0.07**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Screen Work Force Administration-Control Module for order accuracy	5	1.000				5.00	$43.81	$3.65
Contact Co-Provider	5	1.000				5.00	$43.81	$3.65
Complete Circuit in Work Force Adminstration - Control Module	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Total B	Prob C	Prob D	Prob E	Prob F	Adjusted Time (Minutes) G B * (C Thru F)	Labor Rate H	Cost I H * (G/60)
MESSAGE TRUNK GROUP, FIRST TRUNK (con't)								
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**15.00**		**$10.95**
Total For Service:						**219.29**		**$150.88**

	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MESSAGE TRUNK GROUP, FIRST TRUNK (con't)

5402	**Direct Cost**				$150.88
5403					
5404		Cost Calculation		Cost Factor	Cost
5405					
5406		B	C	D	E
5407	***Marketing & Business Fees***				
5408	Product Management Expense	D5408*E5402		0.034281	$5.17
5409	Sales Expense	D5409*E5402		0.011333	$1.71
5410	Product Advertising Expense	D5410*E5402		0.000000	$0.00
5411	Business Fees (Other Operating Taxes)	D5411*Sum(E5402:E5410)		0.001848	$0.29
5412	***Total Marketing & Business Fees***	Sum(E5408:E5411)			$7.17
5413					
5414	***Sub-Total Direct Cost & Marketing***	E5402+E5412			$158.06
5415					
5416	***Other Direct Expenses***				
5417	Network Operations	D5417*E5414		0.050289	$7.95
5418	Network Support Assets	D5418*E5414		0.015375	$2.43
5419	General Support Assets	D5419*E5414		0.080638	$12.75
5420	General Purpose Computers	D5420*E5414		0.036437	$5.76
5421	Uncollectible	D5421*E5414		0.001017	$0.16
5422	Accounting & Finance Expense	D5422*E5414		0.007523	$1.19
5423	Human Resources Expense	D5423*E5414		0.007263	$1.15
5424	Information Management Expense	D5424*E5414		0.051570	$8.15
5425	Intangibles	D5425*E5414		0.002516	$0.40
5426	***Total Other Direct Expenses***	Sum(E5417:E5425)			$39.93
5427					
5428	***TELRIC***	E5417+E5426			$197.99
5429					
5430	***Common***				
5431	Executive Expense	D5431*E5428		0.005786	$1.15
5432	Planning Expense	D5432*E5428		0.000498	$0.10
5433	External Relations Expense	D5433*E5428		0.008170	$1.62
5434	Legal Expense	D5434*E5428		0.005352	$1.06
5435	Other Procurement Expense	D5435*E5428		0.002025	$0.40
5436	Research & Development Expense	D5436*E5428		0.000031	$0.01
5437	Other General and Admin Expense	D5437*E5428		0.015781	$3.12
5438	***Common Costs***	Sum(E5431:E5437)			$7.45
5439					
5440	***TELRIC + Common Costs***	E5428+E5438			$205.44

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
MESSAGE TRUNK GROUP, EACH ADDITIONAL								
ADD								
-INTERCONNECT SERVICE CENTER								
PROB #1 = occurrences								
Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	0.25	1.000				0.25	$39.16	$0.16
Obtain Telephone #/DID number blocks	10	0.500				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Check for Service Order Analysis and Control	5	1.000				5.00	$39.16	$3.26
Issue Service order	3	1.000				3.00	$39.16	$1.96
Subtotal - INTERCONNECT SERVICE CENTER						18.25		$11.91
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order handling/screening	5	0.200	0.042			0.04	$44.31	$0.03
Generic Order Control order log	6	0.200	0.042			0.05	$44.31	$0.04
Enter Work Authorization maask	5	0.100	0.042			0.02	$44.31	$0.02
Circuit Design	20	0.100	0.042			0.08	$44.31	$0.06
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						0.20		$0.15
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Screen Work Force Administration for circuit	5	1.000				5.00	$43.81	$3.65
Complete perfomance testing	6	1.000				6.00	$43.81	$4.38
Post order complete in Work Force Administration - Control Module	1	1.000				1.00	$43.81	$0.73
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						12.00		$8.76
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
PROB #1 = occurrences								
Check for Service Order Analysis and Control for errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue Service order	3	1.000				3.00	$39.16	$1.96
Subtotal - INTERCONNECT SERVICE CENTER						13.00		$8.48
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Adjusted Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F		G	H	I
							B * (C Thru F)		H * (G/60)
MESSAGE TRUNK GROUP, EACH ADDITIONAL (con't)									
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order									
Order screening/handling	5	0.100	0.042				0.02	$44.31	$0.02
Generic Order Control order log	6	0.100	0.042				0.03	$44.31	$0.02
Enter Work Authorization maask	5	0.100	0.042				0.02	$44.31	$0.02
Disconnect Circuit	5	0.100	0.042				0.02	$44.31	$0.02
Distribute Word Doc	2	0.050	0.042				0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER							**0.09**		**$0.07**
-DESIGN SERVICE CENTER - IMPLEMENTOR									
Screen Work Force Administration - Control Module for order accuracy	5	1.000					5.00	$43.81	$3.65
Complete circuit in Work Force Administration - Control Module	5	1.000					5.00	$43.81	$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR							**10.00**		**$7.30**
Total For Service:							**53.54**		**$36.68**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

MESSAGE TRUNK GROUP, EACH ADDITIONAL (con't)

		Cost Calculation	Cost Factor	Cost
		B	D	E
5537	**Direct Cost**			$36.68
5538				
5539				
5540				
5541				
5542	***Marketing & Business Fees***			
5543	Product Management Expense	D5543*E5537	0.034281	$1.26
5544	Sales Expense	D5544*E5537	0.011333	$0.42
5545	Product Advertising Expense	D5545*E5537	0.000000	$0.00
5546	Business Fees (Other Operating Taxes)	D5546*Sum(E5537:E5545)	0.001848	$0.07
5547	***Total Marketing & Business Fees***	Sum(E5543:E5546)		$1.74
5548				
5549	***Sub-Total Direct Cost & Marketing***	E5537+E5547		$38.42
5550				
5551	***Other Direct Expenses***			
5552	Network Operations	D5552*E5549	0.050289	$1.93
5553	Network Support Assets	D5553*E5549	0.015375	$0.59
5554	General Support Assets	D5554*E5549	0.080638	$3.10
5555	General Purpose Computers	D5555*E5549	0.036437	$1.40
5556	Uncollectible	D5556*E5549	0.001017	$0.04
5557	Accounting & Finance Expense	D5557*E5549	0.007523	$0.29
5558	Human Resources Expense	D5558*E5549	0.007263	$0.28
5559	Information Management Expense	D5559*E5549	0.051570	$1.98
5560	Intangibles	D5560*E5549	0.002516	$0.10
5561	***Total Other Direct Expenses***	Sum(E5552:E5560)		$9.71
5562				
5563	***TELRIC***	E5552+E5561		$48.13
5564				
5565	***Common***			
5566	Executive Expense	D5566*E5563	0.005786	$0.28
5567	Planning Expense	D5567*E5563	0.000498	$0.02
5568	External Relations Expense	D5568*E5563	0.008170	$0.39
5569	Legal Expense	D5569*E5563	0.005352	$0.26
5570	Other Procurement Expense	D5570*E5563	0.002025	$0.10
5571	Research & Development Expense	D5571*E5563	0.000031	$0.00
5572	Other General and Admin Expense	D5572*E5563	0.015781	$0.76
5573	***Common Costs***	Sum(E5566:E5572)		$1.81
5574				
5575	***TELRIC + Common Costs***	E5563+E5573		$49.94

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 PRI ISDN TRUNK PORT								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrences								
Analysis of request for accuracy	5	1.000				5.00	$39.16	$3.26
Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	2	1.000				2.00	$39.16	$1.31
Name Common Language Facility & establish Facility Equipment Planning system Model	10	1.000				10.00	$39.16	$6.53
Determine critical dates	5	1.000				5.00	$39.16	$3.26
Confirm (Firm Order Confirmation) Local Service Request	5	1.000				5.00	$39.16	$3.26
Check for Service Order Analysis and Control errors	15	1.000				15.00	$39.16	$9.79
Order Completion	5	1.000				5.00	$39.16	$3.26
Complete complex translations form	15	1.000				15.00	$39.16	$9.79
Issue Service order	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**67.00**		**$43.73**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Order Handling/screening	5	0.200				1.00	$44.31	$0.74
Generic Order Control order log	6	0.200				1.20	$44.31	$0.89
Enter Work Authorization mask	5	0.800				4.00	$44.31	$2.95
Circuit Design	30	1.000				30.00	$44.31	$22.16
Distribute Word Doc	2	0.900				1.80	$44.31	$1.33
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**38.00**		**$28.06**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Screen Work Force Administration for circuit	5	0.042				0.21	$43.81	$0.15
Verify LNO completion	5	0.042				0.21	$43.81	$0.15
Set DS1 Trans. Opts in Switch and add TG members	20	0.042				0.84	$43.81	$0.61
Monitor performance testing	15	0.042				0.63	$43.81	$0.46
Notify co-provider of work completion	5	0.042				0.21	$43.81	$0.15
Post order complet in Work Force Administration - Control Module	10	0.042				0.42	$43.81	$0.31
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**2.52**		**$1.84**
-CENTRAL OFFICE TECHNICIAN								
Prob #1 = occurrences								
Analyze order	5	1.000				5.00	$43.81	$3.65
Complete cross connect	10	1.000				10.00	$43.81	$7.30
Perform conformance testing	15	1.000				15.00	$43.81	$10.95

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time (Minutes)	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Rate	Nrc Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DS1 PRI ISDN TRUNK PORT (con't)								
Complete DD work status with CCT-I	3	1.000				3.00	$43.81	$2.19
Post DVA work complete in WFA-DI	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						**35.00**		**$25.56**
-CORAC/DISPATCH CENTER								
Prob #1 = times								
Prob #2 = CRON'd fallout (manual load)								
Screen Order	2	0.150				0.30	$37.78	$0.19
Load work request to Technician	5	0.150				0.75	$37.78	$0.47
Closeout work request with Technician	3	0.150				0.45	$37.78	$0.28
Subtotal - CORAC/DISPATCH CENTER						**1.50**		**$0.94**
-NROC - COMPLEX TRANSLATIONS								
Translations for building PRI Trunk Groups								
Prob #1 = % of time this product requires complex translation work								
Prob #2 = % DMS switch type								
TABLE LTDEF	20	1.000	0.340			6.80	$41.45	$4.70
TABLE LTMAP	15	1.000	0.340			5.10	$41.45	$3.52
TABLE LTDATA	20	1.000	0.340			6.80	$41.45	$4.70
TABLE LTCALLS	25	1.000	0.340			8.50	$41.45	$5.87
TABLE IBNRTE	30	1.000	0.340			10.20	$41.45	$7.05
TABLE CIRTGRPS	25	1.000	0.340			8.50	$41.45	$5.87
TABLE OFRT	20	1.000	0.340			6.80	$41.45	$4.70
TABLE DNROUTE	20	1.000	0.340			6.80	$41.45	$4.70
Subtotal - NROC - COMPLEX TRANSLATIONS						**59.50**		**$41.10**
-COMPLEX TRANSLATIONS								
Translations for building PRI Trunk Groups								
Prob #1 = % of time this product requires complex translation work								
Prob #2 = % DMS switch type								
TABLE TRKGRP	35	1.000	0.340			11.90	$41.45	$8.22
TABLE TRKSGRP	30	1.000	0.340			10.20	$41.45	$7.05
Subtotal - COMPLEX TRANSLATIONS						**22.10**		**$15.27**
-COMPLEX TRANSLATIONS								
Prob #1 = % of time this product requires complex translations for a DEDICATED PRI - 23B+D CONFIGURATION - 5E								
Prob #2 = % 5E switch type								
PRI interface group per D Channel	10	1.000	0.660			6.60	$41.45	$4.56

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 PRI ISDN TRUNK PORT (con't)								
D Channel Trunk Group	35	1.000	0.660			23.10	$41.45	$15.96
Per B Channel Trunk Group	140	1.000	0.660			92.40	$41.45	$63.83
Per Route Index	45	1.000	0.660			29.70	$41.45	$20.52
Alernate RI for data	45	1.000	0.660			29.70	$41.45	$20.52
Subtotal - COMPLEX TRANSLATIONS						**181.50**		**$125.39**
-COMPLEX TRANSLATIONS - INPUT								
Prob #1 = % of time this product requires complex translations for a DEDICATED PRI - 23B+D CONFIGURATION - 5E								
Prob #2 = % 5E switch type								
PRI interface group per D Channel	5	1.000	0.660			3.30	$41.45	$2.28
D Channel Trunk Group	25	1.000	0.660			16.50	$41.45	$11.40
Per B Channel Trunk Group	100	1.000	0.660			66.00	$41.45	$45.60
Per Route Index	30	1.000	0.660			19.80	$41.45	$13.68
Alternate RI for data	30	1.000	0.660			19.80	$41.45	$13.68
Subtotal - COMPLEX TRANSLATIONS - INPUT						**125.40**		**$86.63**
-RCMAC								
1st probability is % by switch type								
CALLING NUMBER IDENTIFICATION - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICAITON - DMS	1	0.340				0.34	$43.81	$0.25
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$0.25
CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - INPUT - DMS	10	0.340				3.40	$43.81	$2.48
CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - DESIGN - DMS	5	0.340				1.70	$43.81	$1.24
B CHANNEL CIRCUIT SWITCHED DATA - 5E	8	0.660				5.28	$43.81	$3.86
B CHANNEL CIRCUIT SWITCHED DATA - DMS	8	0.340				2.72	$43.81	$1.99
Subtotal - RCMAC						**15.10**		**$11.03**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrences								
Analysis of request for accuracy								
Verify existing account and close bill	2	1.000				2.00	$39.16	$1.31
Check for Service Order Analysis and Control errors	5	1.000				5.00	$39.16	$3.26
Order Completion	5	1.000				5.00	$39.16	$3.26
Issue Service order	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**17.00**		**$11.10**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 PRI ISDN TRUNK PORT (con't)								
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Order handling/screening	5	0.100				0.50	$44.31	$0.37
Generic Order Control order log	6	0.100				0.60	$44.31	$0.44
Enter Work Authorization mask	5	0.100				0.50	$44.31	$0.37
Disconnect Circuit	5	0.100				0.50	$44.31	$0.37
Distribute Word Doc	2	0.100				0.20	$44.31	$0.15
Subtotal - DESIGN SERVICE CENTER - DESIGNER						2.30		$1.70
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Screen Work Force Administration for circuit	5	0.042				0.21	$43.81	$0.15
Contact co-provider	5	0.042				0.21	$43.81	$0.15
Complete circuit in Work Force Administration - Control Module	5	0.042				0.21	$43.81	$0.15
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						0.63		$0.46
-CENTRAL OFFICE TECHNICIAN								
Prob #1 = occurrences								
Analyze order	5	1.000				5.00	$43.81	$3.65
Remove Cross Connect	2.3	1.000				2.30	$43.81	$1.68
Complete order in Work Force Administration - Dispatch In Module	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						9.30		$6.79
-COMPLEX TRANSLATIONS								
Prob #1 = % of time this product requires complex translations for a DEDICATED PRI - 23B+D CONFIGURATION - 5E 2nd probability is % by switch type								
PRI interface group per D Channel	5	1.000	0.660			3.30	$41.45	$2.28
D Channel Trunk Group	10	1.000	0.660			6.60	$41.45	$4.56
Per B Channel Trunk Group	40	1.000	0.660			26.40	$41.45	$18.24
Per Route Index	15	1.000	0.660			9.90	$41.45	$6.84
Alternate RI for data	15	1.000	0.660			9.90	$41.45	$6.84
Subtotal - COMPLEX TRANSLATIONS						56.10		$38.76
-COMPLEX TRANSLATIONS - INPUT								
Prob #1 = % of time this product requires complex translations for a DEDICATED PRI - 23B+D CONFIGURATION - 5E 2nd probability is % by switch type								

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Total Time (Minutes)	Labor Rate Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 PRI ISDN TRUNK PORT (con't)								
PRI interface group per D Channel	5	1.000	0.660			3.30	$41.45	$2.28
D Channel Trunk Group	5	1.000	0.660			3.30	$41.45	$2.28
Per B Channel Trunk Group	20	1.000	0.660			13.20	$41.45	$9.12
Per Route Index	15	1.000	0.660			9.90	$41.45	$6.84
Alternate RI for data	15	1.000	0.660			9.90	$41.45	$6.84
Subtotal - COMPLEX TRANSLATIONS - INPUT						**39.60**		**$27.36**
-RCMAC								
1st probability is % by switch type								
CALLING NUMBER IDENTIFICATION - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICAITON - DMS	1	0.340				0.34	$43.81	$0.25
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$0.25
B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.660				0.66	$43.81	$0.48
B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						**3.00**		**$2.19**
Total For Service:						**675.55**		**$467.89**

	Work Item	Time per Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

DS1 PRI ISDN TRUNK PORT (con't)

5807	Direct Cost			$490.89
5808				
5809				
5810		CORI Calculation	Factor	Cost
5811		B	C	E
5812	***Marketing & Business Fees***			
5813	Product Management Expense	D5813*E5807	0.034281	$16.04
5814	Sales Expense	D5814*E5807	0.011333	$5.30
5815	Product Advertising Expense	D5815*E5807	0.000000	$0.00
5816	Business Fees (Other Operating Taxes)	D5816*Sum(E5807:E5815)	0.001848	$0.90
5817	***Total Marketing & Business Fees***	Sum(E5813:E5816)		$22.25
5818				
5819	***Sub-Total Direct Cost & Marketing***	E5807+E5817		$490.14
5820				
5821	***Other Direct Expenses***			
5822	Network Operations	D5822*E5819	0.050289	$24.65
5823	Network Support Assets	D5823*E5819	0.015375	$7.54
5824	General Support Assets	D5824*E5819	0.080638	$39.52
5825	General Purpose Computers	D5825*E5819	0.036437	$17.86
5826	Uncollectible	D5826*E5819	0.001017	$0.50
5827	Accounting & Finance Expense	D5827*E5819	0.007523	$3.69
5828	Human Resources Expense	D5828*E5819	0.007263	$3.56
5829	Information Management Expense	D5829*E5819	0.051570	$25.28
5830	Intangibles	D5830*E5819	0.002516	$1.23
5831	***Total Other Direct Expenses***	Sum(E5822:E5830)		$123.82
5832				
5833	***TELRIC***	E5822+E5831		$613.96
5834				
5835	***Common***			
5836	Executive Expense	D5836*E5833	0.005786	$3.55
5837	Planning Expense	D5837*E5833	0.000498	$0.31
5838	External Relations Expense	D5838*E5833	0.008170	$5.02
5839	Legal Expense	D5839*E5833	0.005352	$3.29
5840	Other Procurement Expense	D5840*E5833	0.002025	$1.24
5841	Research & Development Expense	D5841*E5833	0.000031	$0.02
5842	Other General and Admin Expense	D5842*E5833	0.015781	$9.69
5843	***Common Costs***	Sum(E5836:E5842)		$23.11
5844				
5845	***TELRIC + Common Costs***	E5833+E5843		$637.08

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 / DID TRUNK PORT								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = Occurrences								
Analysis of request for accuracy	5	1.000				5.00	$39.16	$3.26
Validate Connecting Facilities Arrangement, Network Conections	2	1.000				2.00	$39.16	$1.31
Name Common Language Facility & establish Facility Equipment Planning System	10	1.000				10.00	$39.16	$6.53
Determine Critical Dates	5	1.000				5.00	$39.16	$3.26
Confirm (Firm Order Confirmation) Local Service Request	5	1.000				5.00	$39.16	$3.26
Issue service order	15	1.000				15.00	$39.16	$9.79
Check for Service Order Analysis and Control	5	1.000				5.00	$39.16	$3.26
Order Completion	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**52.00**		**$33.94**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Order handling/screening	5	0.200				1.00	$44.31	$0.74
Generic Order Control log order	6	0.200				1.20	$44.31	$0.89
Enter Work Authorization mask	5	0.800				4.00	$44.31	$2.95
Circuit design	30	1.000				30.00	$44.31	$22.16
Distribute Word documents	2	0.900				1.80	$44.31	$1.33
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**38.00**		**$28.06**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = occurrences								
Screen Work Force Authorization for circuit	5	1.000				5.00	$43.81	$3.65
Verify Local Network Operations for completion	5	1.000				5.00	$43.81	$3.65
Monitor performance testing	15	1.000				15.00	$43.81	$10.95
Nortify co-provider of work completion	5	1.000				5.00	$43.81	$3.65
Post order complete in Work Force Administration - control Module	10	1.000				10.00	$43.81	$7.30
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**40.00**		**$29.21**
-CORAC/DISPATCH CENTER								
Prob #1 = times								
Prob #2 = CRON'd fallout (manual load)								
Screen Order	2	0.150				0.30	$37.78	$0.19
Load work request to Technician	5	0.150				0.75	$37.78	$0.47
Closeout work request with Technician	3	0.150				0.45	$37.78	$0.28

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time in Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Rate	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DS1 / DID TRUNK PORT (con't)								
Subtotal - CORAC/DISPATCH CENTER						**1.50**		**$0.94**
-CENTRAL OFFICE TECH								
Prob #1 = occurrences								
Analyze order	5	1.000				5.00	$43.81	$3.65
Complete cross connect	10	1.000				10.00	$43.81	$7.30
Perform conformance testing	15	1.000				15.00	$43.81	$10.95
Complete DD work status with CCT-I	3	1.000				3.00	$43.81	$2.19
Post DVA work complete in WFA-DI	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECH						**35.00**		**$25.56**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = Occurrences								
Analysis of request for accuracy	5	1.000				5.00	$39.16	$3.26
Verify existing account & close bill	2	1.000				2.00	$39.16	$1.31
Check for Service Order Analysis and Control errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue service order	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**22.00**		**$14.36**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Order handling/screening	5	0.100				0.50	$44.31	$0.37
Generic Order Control log order	6	0.100				0.60	$44.31	$0.44
Enter Work Authorization mask	5	0.100				0.50	$44.31	$0.37
Disconnect circuit	5	0.100				0.50	$44.31	$0.37
Distribute Word documents	2	0.100				0.20	$44.31	$0.15
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**2.30**		**$1.70**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = occurrences								
Screen Work Force Authorization for order accuracy	5	1.000				5.00	$43.81	$3.65
Contact Co-Provider	5	1.000				5.00	$43.81	$3.65
Complete circuit in Work Force Administration/control Module	5	1.000				5.00	$43.81	$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**15.00**		**$10.95**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1 / DID TRUNK PORT (con't)								
-CENTRAL OFFICE TECH								
Prob #1 = occurrences								
Analyze order	5	1.000				5.00	$43.81	$3.65
Remove Cross connect	5	1.000				5.00	$43.81	$3.65
Complete Order in Work Force Administration - Dispatch In Module	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECH						12.00		$8.76
Total For Service:						217.80		$153.48

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS1 / DID TRUNK PORT (con't)

5987	**Direct Cost**			$153.48
5988				
5989		Cost Calculation	Cost Factor	Cost
5990				
5991		B	C	D	E
5992	***Marketing & Business Fees***			
5993	Product Management Expense	D5993*E5987	0.034281	$5.26
5994	Sales Expense	D5994*E5987	0.011333	$1.74
5995	Product Advertising Expense	D5995*E5987	0.000000	$0.00
5996	Business Fees (Other Operating Taxes)	D5996*Sum(E5987:E5995)	0.001848	$0.30
5997	***Total Marketing & Business Fees***	Sum(E5993:E5996)		$7.30
5998				
5999	***Sub-Total Direct Cost & Marketing***	E5987+E5997		$160.78
6000				
6001	***Other Direct Expenses***			
6002	Network Operations	D6002*E5999	0.050289	$8.09
6003	Network Support Assets	D6003*E5999	0.015375	$2.47
6004	General Support Assets	D6004*E5999	0.080638	$12.96
6005	General Purpose Computers	D6005*E5999	0.036437	$5.86
6006	Uncollectible	D6006*E5999	0.001017	$0.16
6007	Accounting & Finance Expense	D6007*E5999	0.007523	$1.21
6008	Human Resources Expense	D6008*E5999	0.007263	$1.17
6009	Information Management Expense	D6009*E5999	0.051570	$8.29
6010	Intangibles	D6010*E5999	0.002516	$0.40
6011	***Total Other Direct Expenses***	Sum(E6002:E6010)		$40.62
6012				
6013	***TELRIC***	E6002+E6011		$201.39
6014				
6015	***Common***			
6016	Executive Expense	D6016*E6013	0.005786	$1.17
6017	Planning Expense	D6017*E6013	0.000498	$0.10
6018	External Relations Expense	D6018*E6013	0.008170	$1.65
6019	Legal Expense	D6019*E6013	0.005352	$1.08
6020	Other Procurement Expense	D6020*E6013	0.002025	$0.41
6021	Research & Development Expense	D6021*E6013	0.000031	$0.01
6022	Other General and Admin Expense	D6022*E6013	0.015781	$3.18
6023	***Common Costs***	Sum(E6016:E6022)		$7.58
6024				
6025	***TELRIC + Common Costs***	E6013+E6023		$208.98

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS0 ANALOG TRUNK PORT - FIRST PORT								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrence								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	2	1.000				2.00	$39.16	$1.31
Validate Switch Location	10	1.000				10.00	$39.16	$6.53
Obtain Trunk group number and Route Index number	20	1.000				20.00	$39.16	$13.05
Obtain Tele # DID # Blocks	10	1.000				10.00	$39.16	$6.53
Determine Critical Dates	5	1.000				5.00	$39.16	$3.26
Confirm (Firm Order Confirmation) Local Service Request	5	1.000				5.00	$39.16	$3.26
Check for Service order Access Controller errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue Service Order	15	1.000				15.00	$39.16	$9.79
Subtotal - INTERCONNECT SERVICE CENTER						**82.00**		**$53.52**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order handling/screening	5	0.200	0.042			0.04	$44.31	$0.03
Generic Order Control order log	6	0.200	0.042			0.05	$44.31	$0.04
Enter Work Authorization mask	5	0.100	0.042			0.02	$44.31	$0.02
Circuit Design	20	0.100	0.042			0.08	$44.31	$0.06
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**0.20**		**$0.15**
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Assign Trunk Group number	10	0.500				5.00	$41.45	$3.45
Analyze ASR/TQ	10	0.500				5.00	$41.45	$3.45
Build New Trunk Group	20	0.500				10.00	$41.45	$6.91
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUP						**20.00**		**$13.82**
-NROC - COMPLEX TRANSLATIONS - ROUTE INDEX								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Assign Route Index	10	0.500				5.00	$41.45	$3.45
Subtotal - NROC - COMPLEX TRANSLATIONS - ROUTE INDEX						**5.00**		**$3.45**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Time (Minutes)	Labor Rate	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS0 ANALOG TRUNK PORT - FIRST PORT (con't)								
-NROC - COMPLEX TRANSLATIONS - TESTING								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Perform Test Call	5	0.500				2.50	$41.45	$1.73
Complete work item in work Force Administration - Dispatch In	5	0.500				2.50	$41.45	$1.73
Subtotal - NROC - COMPLEX TRANSLATIONS - TESTING						**5.00**		**$3.45**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrence								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Verify existing account activity	2	1.000				2.00	$39.16	$1.31
Check for Service order Access Controller errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue Service Order	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER						**22.00**		**$14.35**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order screening/handling	5	0.100	0.042			0.02	$44.31	$0.02
Generic Order Control order log	6	0.100	0.042			0.03	$44.31	$0.02
Enter Work Authorization mask	5	0.100	0.042			0.02	$44.31	$0.02
Disconnect Circuit	5	0.100	0.042			0.02	$44.31	$0.02
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**0.09**		**$0.07**
Total For Service:						**134.29**		**$88.82**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Total Time (Minutes)	Total Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

DS0 ANALOG TRUNK PORT - FIRST PORT (con't)

		Cost Calculation	Cost Factor	Cost
6122	**Direct Cost**			$93.04
6123				
6124				
6125				
6126		B	C	D	E
6127	***Marketing & Business Fees***			
6128	Product Management Expense	D6128*E6122	0.034281	$3.04
6129	Sales Expense	D6129*E6122	0.011333	$1.01
6130	Product Advertising Expense	D6130*E6122	0.000000	$0.00
6131	Business Fees (Other Operating Taxes)	D6131*Sum(E6122:E6130)	0.001848	$0.17
6132	***Total Marketing & Business Fees***	Sum(E6128:E6131)		$4.22
6133				
6134	***Sub-Total Direct Cost & Marketing***	E6122+E6132		$93.04
6135				
6136	***Other Direct Expenses***			
6137	Network Operations	D6137*E6134	0.050289	$4.68
6138	Network Support Assets	D6138*E6134	0.015375	$1.43
6139	General Support Assets	D6139*E6134	0.080638	$7.50
6140	General Purpose Computers	D6140*E6134	0.036437	$3.39
6141	Uncollectible	D6141*E6134	0.001017	$0.09
6142	Accounting & Finance Expense	D6142*E6134	0.007523	$0.70
6143	Human Resources Expense	D6143*E6134	0.007263	$0.68
6144	Information Management Expense	D6144*E6134	0.051570	$4.80
6145	Intangibles	D6145*E6134	0.002516	$0.23
6146	***Total Other Direct Expenses***	Sum(E6137:E6145)		$23.51
6147				
6148	***TELRIC***	E6137+E6146		$116.55
6149				
6150	***Common***			
6151	Executive Expense	D6151*E6148	0.005786	$0.67
6152	Planning Expense	D6152*E6148	0.000498	$0.06
6153	External Relations Expense	D6153*E6148	0.008170	$0.95
6154	Legal Expense	D6154*E6148	0.005352	$0.62
6155	Other Procurement Expense	D6155*E6148	0.002025	$0.24
6156	Research & Development Expense	D6156*E6148	0.000031	$0.00
6157	Other General and Admin Expense	D6157*E6148	0.015781	$1.84
6158	***Common Costs***	Sum(E6151:E6157)		$4.39
6159				
6160	***TELRIC + Common Costs***	E6148+E6158		$120.93

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS0 ANALOG TRUNK PORT - EACH ADDITIONAL								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrences								
Validate connecting Facilities Arrangement	0.25	1.000				0.25	$39.16	$0.16
Obtain Tele#/DID number blocks	10	0.500				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Check for Service Order Analysis & Control errors	5	1.000				5.00	$39.16	$3.26
Issue Service Order	3	1.000				3.00	$39.16	$1.96
Subtotal - INTERCONNECT SERVICE CENTER						18.25		$11.91
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order handling/screening	5	0.200	0.042			0.04	$44.31	$0.03
Generic Order Control Order log	6	0.200	0.042			0.05	$44.31	$0.04
Enter Work Authorization Mask	5	0.100	0.042			0.02	$44.31	$0.02
Circuit Design	20	0.100	0.042			0.08	$44.31	$0.06
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00
Subtotal - DESIGN SERVICE CENTER - DESIGNER						0.20		$0.15
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrences								
Check for Service Order Analysis & Control errors	5	1.000				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Issue Service Order	3	1.000				3.00	$39.16	$1.96
Subtotal - INTERCONNECT SERVICE CENTER						13.00		$8.48
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order								
Order screening/handling	5	0.100	0.042			0.02	$44.31	$0.02
Generic Order Control Order log	6	0.100	0.042			0.03	$44.31	$0.02
Enter Work Authorization Mask	5	0.100	0.042			0.02	$44.31	$0.02
Disconnect Circuit	5	0.100	0.042			0.02	$44.31	$0.02
Distribute Word Doc	2	0.050	0.042			0.00	$44.31	$0.00

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS0 ANALOG TRUNK PORT - EACH ADDITIONAL (con't)								
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**0.09**		**$0.07**
Total For Service:						**31.54**		**$20.61**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

DS0 ANALOG TRUNK PORT - EACH ADDITIONAL (con't)

		Cost Calculation	Probability	Cost
6257	**Direct Cost**			$0.31
6258				
6259				
6260				
6261				
6262	***Marketing & Business Fees***			
6263	Product Management Expense	D6263*E6257	0.034281	$0.71
6264	Sales Expense	D6264*E6257	0.011333	$0.23
6265	Product Advertising Expense	D6265*E6257	0.000000	$0.00
6266	Business Fees (Other Operating Taxes)	D6266*Sum(E6257:E6265)	0.001848	$0.04
6267	***Total Marketing & Business Fees***	Sum(E6263:E6266)		$0.98
6268				
6269	***Sub-Total Direct Cost & Marketing***	E6257+E6267		$21.59
6270				
6271	***Other Direct Expenses***			
6272	Network Operations	D6272*E6269	0.050289	$1.09
6273	Network Support Assets	D6273*E6269	0.015375	$0.33
6274	General Support Assets	D6274*E6269	0.080638	$1.74
6275	General Purpose Computers	D6275*E6269	0.036437	$0.79
6276	Uncollectible	D6276*E6269	0.001017	$0.02
6277	Accounting & Finance Expense	D6277*E6269	0.007523	$0.16
6278	Human Resources Expense	D6278*E6269	0.007263	$0.16
6279	Information Management Expense	D6279*E6269	0.051570	$1.11
6280	Intangibles	D6280*E6269	0.002516	$0.05
6281	***Total Other Direct Expenses***	Sum(E6272:E6280)		$5.46
6282				
6283	***TELRIC***	E6272+E6281		$27.05
6284				
6285	***Common***			
6286	Executive Expense	D6286*E6283	0.005786	$0.16
6287	Planning Expense	D6287*E6283	0.000498	$0.01
6288	External Relations Expense	D6288*E6283	0.008170	$0.22
6289	Legal Expense	D6289*E6283	0.005352	$0.14
6290	Other Procurement Expense	D6290*E6283	0.002025	$0.05
6291	Research & Development Expense	D6291*E6283	0.000031	$0.00
6292	Other General and Admin Expense	D6292*E6283	0.015781	$0.43
6293	***Common Costs***	Sum(E6286:E6292)		$1.02
6294				
6295	***TELRIC + Common Costs***	E6283+E6293		$28.07

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item A	Time (Minutes) B	Prob C	Prob D	Prob E	Prob F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UPS DS1/DS3 ATM SWITCH INTERFACE PORT								
ADD								
-SERVICE DELIVERY COORDINATOR								
ANALYSIS OF REQUEST TO DETERMINE TYPE OF SERVICE, DESIRED SERVICE LEVEL, D	5	1.000				5.00	$40.03	$3.34
VALIDATE CONNECTING FACILITY ARRANGEMENT (CFA), NETWORK CHANNEL/NETWOR	2	1.000				2.00	$40.03	$1.33
NAME COMMON LANGUAGE FACILITY (CLF) & ESTABLISH FACILITY EQUIPMENT PLANNIN	10	1.000				10.00	$40.03	$6.67
DETERMINE CRITICAL DATES	5	1.000				5.00	$40.03	$3.34
CONFIRM FIRM ORDER CONFIRMATION (FOC) LOCAL SERVICE REQUEST (LSR)	5	1.000				5.00	$40.03	$3.34
ISSUE SERVICE ORDER	15	1.000				15.00	$40.03	$10.01
CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1.000				5.00	$40.03	$3.34
ORDER COMPLETION	5	1.000				5.00	$40.03	$3.34
Subtotal - SERVICE DELIVERY COORDINATOR						**52.00**		**$34.69**
-DESIGN								
% manual handling								
Log/Verify Facility	45	0.050				2.25	$44.31	$1.66
Log/Verify Facility	25	0.950				23.75	$44.31	$17.54
Build/Validate DRI & WA	6	0.050				0.30	$44.31	$0.22
Build/Validate DRI & WA	3	0.950				2.85	$44.31	$2.10
Build/Verify CD	15	0.200				3.00	$44.31	$2.22
Build/Verify CD	5	0.800				4.00	$44.31	$2.95
Distribute Documents	4	1.000				4.00	$44.31	$2.95
Subtotal - DESIGN						**40.15**		**$29.65**
-CENTRAL OFFICE TECHNICIAN								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
COMPLETE CROSS CONNECT	10	1.000				10.00	$43.81	$7.30
PERFORM CONFORMANCE TESTING	20	1.000				20.00	$43.81	$14.60
Complete DD work status with CCT-I	3	1.000				3.00	$43.81	$2.19
Post DVA work complete in WFA-DI	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						**40.00**		**$29.21**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000				5.00	$43.81	$3.65
VERIFY COMPLETION WITH LOCAL NETWORK ORGANIZATION (LNO)	5	1.000				5.00	$43.81	$3.65
MONITOR PERFORMANCE TESTING	15	1.000				15.00	$43.81	$10.95
NOTIFY CO-PROVIDER OF WORK COMPLETION	5	1.000				5.00	$43.81	$3.65
POST ORDER COMPLETE WORK FORCE ADMINISTRATION / CONTROL (WFA-C)	10	1.000				10.00	$43.81	$7.30

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UPS DS1/DS3 ATM SWITCH INTERFACE PORT (con't)								
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**40.00**		**$29.21**
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
ANALYSIS OF REQUEST FOR ACCURACY	5	1.000				5.00	$40.03	$3.34
VERIFY EXISTING ACCOUNT ACTIVITY AND OBTAIN CLOSING BILL INFORMATION	2	1.000				2.00	$40.03	$1.33
CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1.000				5.00	$40.03	$3.34
ORDER COMPLETION	5	1.000				5.00	$40.03	$3.34
ISSUE SERVICE ORDER	5	1.000				5.00	$40.03	$3.34
Subtotal - SERVICE DELIVERY COORDINATOR						**22.00**		**$14.68**
-DESIGN								
Prob #1 = % manual handled								
Log/Verify Facility	8	0.050				0.40	$44.31	$0.30
Log/Verify Facility	3	0.950				2.85	$44.31	$2.10
Build/Validate WA	5	0.050				0.25	$44.31	$0.18
Build/Validate WA	2	0.950				1.90	$44.31	$1.40
Build/Verify CD	3	0.050				0.15	$44.31	$0.11
Build/Verify CD	2	0.950				1.90	$44.31	$1.40
Distribute Documents	2	1.000				2.00	$44.31	$1.48
Subtotal - DESIGN						**9.45**		**$6.98**
-CENTRAL OFFICE TECHNICIAN								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
REMOVE CROSS CONNECT	5	1.000				5.00	$43.81	$3.65
COMPLETE WORK REQUEST IN WORK FORCE ADMINISTRATION - DISPATCH IN MODULE	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						**12.00**		**$8.76**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000				5.00	$43.81	$3.65
CONTACT CO-PROVIDER	5	1.000				5.00	$43.81	$3.65
COMPELTE ORDER IN WORK FORCE ADMINISTRATION-CIRCUIT (WFA-C)	5	1.000				5.00	$43.81	$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**15.00**		**$10.95**
Total For Service:						**230.60**		**$164.13**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Rate	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UPS DS1/DS3 ATM SWITCH INTERFACE PORT (con't)

6392	**Direct Cost**			$164.13
6393				
6394		Cost Calculation	Cost Factor	Cost
6395				
6396		B	C	D	E
6397	***Marketing & Business Fees***			
6398	Product Management Expense	D6398*E6392	0.034281	$5.63
6399	Sales Expense	D6399*E6392	0.011333	$1.86
6400	Product Advertising Expense	D6400*E6392	0.000000	$0.00
6401	Business Fees (Other Operating Taxes)	D6401*Sum(E6392:E6400)	0.001848	$0.32
6402	***Total Marketing & Business Fees***	Sum(E6398:E6401)		$7.80
6403				
6404	***Sub-Total Direct Cost & Marketing***	E6392+E6402		$171.93
6405				
6406	***Other Direct Expenses***			
6407	Network Operations	D6407*E6404	0.050289	$8.65
6408	Network Support Assets	D6408*E6404	0.015375	$2.64
6409	General Support Assets	D6409*E6404	0.080638	$13.86
6410	General Purpose Computers	D6410*E6404	0.036437	$6.26
6411	Uncollectible	D6411*E6404	0.001017	$0.17
6412	Accounting & Finance Expense	D6412*E6404	0.007523	$1.29
6413	Human Resources Expense	D6413*E6404	0.007263	$1.25
6414	Information Management Expense	D6414*E6404	0.051570	$8.87
6415	Intangibles	D6415*E6404	0.002516	$0.43
6416	***Total Other Direct Expenses***	Sum(E6407:E6415)		$43.43
6417				
6418	***TELRIC***	E6407+E6416		$215.37
6419				
6420	***Common***			
6421	Executive Expense	D6421*E6418	0.005786	$1.25
6422	Planning Expense	D6422*E6418	0.000498	$0.11
6423	External Relations Expense	D6423*E6418	0.008170	$1.76
6424	Legal Expense	D6424*E6418	0.005352	$1.15
6425	Other Procurement Expense	D6425*E6418	0.002025	$0.44
6426	Research & Development Expense	D6426*E6418	0.000031	$0.01
6427	Other General and Admin Expense	D6427*E6418	0.015781	$3.40
6428	***Common Costs***	Sum(E6421:E6427)		$8.11
6429				
6430	***TELRIC + Common Costs***	E6418+E6428		$223.47

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

A	B	C	D	E	F	G	H	I
	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Adjusted Minutes B * (C Thru F)	Labor Rate	Cost H * (G/60)

UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP

ADD

-INTERCONNECT SERVICE CENTER (ICS)

.15 probability is % manual work required. 85% IMA Flow-through

Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.150				0.45	$39.16	$0.29
Call CLEC, Inform LSR is in process of being worked	2	0.150				0.30	$39.16	$0.20
Exchange Information - Obtain CO name, address, office type	2	0.150				0.30	$39.16	$0.20
Look up billing USOC's for co-provider	5	0.150				0.75	$39.16	$0.49
Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	0.150				0.30	$39.16	$0.20
Using Swift/SOP, Issue orders	10	0.150				1.50	$39.16	$0.98
IMA-FOC (Firm Order Confirmation) to CLEC	2	0.150				0.30	$39.16	$0.20
CRM-Populate required fields	3	0.150				0.45	$39.16	$0.29
SOAC ensure at least 2 successes	6	0.150				0.90	$39.16	$0.59
SOP-Ensure PD or RL, File in drawer	2	0.150				0.30	$39.16	$0.20
ESOI's-Generated from Loop Provisioning Center	5	0.150				0.75	$39.16	$0.49
Call Handling, Follow up calls from Implementors, LPC, etc.	5	0.150				0.75	$39.16	$0.49
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**7.05**		**$4.60**

-LRAC

Probabilities are % manual work required. Reciprocal is mechanization rate.

Screen order	2	0.200				0.40	$37.78	$0.25
Load work request tech load system	2	0.200				0.40	$37.78	$0.25
Close out order with tech	3	0.050				0.15	$37.78	$0.09
Subtotal - LRAC						**0.95**		**$0.60**

-INSTALLATION/FIELD TECHNICIAN

Travel time	21	1.000				21.00	$42.68	$14.94
Service Area Interface/field connection point work activity.	15	1.000				15.00	$42.68	$10.67
Testing and turn up.	5	1.000				5.00	$42.68	$3.56
Close order in field access system/ WFADO	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**44.00**		**$31.30**

-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)

Prob #1 = 10% of orders require translations

Translations	25	0.100				2.50	$41.45	$1.73
RADSL Service act and testing	10	0.100				1.00	$41.45	$0.69
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**3.50**		**$2.42**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Elements A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	B * (C Thru F) G	Labor Rate H	H * (G/60) I
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP (con't)								
DISCONNECT								
-INTERCONNECT SERVICE CENTER (ICS)								
.15 probability is % manual work required. 85% IMA Flow-through								
Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.150				0.45	$39.16	$0.29
Call CLEC, Inform LSR is in process of being worked	2	0.150				0.30	$39.16	$0.20
Using Swift/SOP, Issue orders	10	0.150				1.50	$39.16	$0.98
IMA-FOC (Firm Order Confirmation) to CLEC	2	0.150				0.30	$39.16	$0.20
CRM-Populate required fields	3	0.150				0.45	$39.16	$0.29
SOAC ensure at least 2 successes	6	0.150				0.90	$39.16	$0.59
SOP-Ensure PD or RL, File in drawer	2	0.150				0.30	$39.16	$0.20
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**4.20**		**$2.74**
-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)								
Prob #1 = 10% of orders require translations								
Translations	25	0.100				2.50	$41.45	$1.73
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**2.50**		**$1.73**
Total For Service:						**62.20**		**$43.38**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP (con't)

6527	**Direct Cost**				$49.38
6528					
6529		Cost Calculation		Cost Factor	Cost
6530		B	C	D	E
6531					
6532	***Marketing & Business Fees***				
6533	Product Management Expense	D6533*E6527		0.034281	$1.49
6534	Sales Expense	D6534*E6527		0.011333	$0.49
6535	Product Advertising Expense	D6535*E6527		0.000000	$0.00
6536	Business Fees (Other Operating Taxes)	D6536*Sum(E6527:E6535)		0.001848	$0.08
6537	***Total Marketing & Business Fees***	Sum(E6533:E6536)			$2.06
6538					
6539	***Sub-Total Direct Cost & Marketing***	E6527+E6537			$45.45
6540					
6541	***Other Direct Expenses***				
6542	Network Operations	D6542*E6539		0.050289	$2.29
6543	Network Support Assets	D6543*E6539		0.015375	$0.70
6544	General Support Assets	D6544*E6539		0.080638	$3.66
6545	General Purpose Computers	D6545*E6539		0.036437	$1.66
6546	Uncollectible	D6546*E6539		0.001017	$0.05
6547	Accounting & Finance Expense	D6547*E6539		0.007523	$0.34
6548	Human Resources Expense	D6548*E6539		0.007263	$0.33
6549	Information Management Expense	D6549*E6539		0.051570	$2.34
6550	Intangibles	D6550*E6539		0.002516	$0.11
6551	***Total Other Direct Expenses***	Sum(E6542:E6550)			$11.48
6552					
6553	***TELRIC***	E6542+E6551			$56.93
6554					
6555	***Common***				
6556	Executive Expense	D6556*E6553		0.005786	$0.33
6557	Planning Expense	D6557*E6553		0.000498	$0.03
6558	External Relations Expense	D6558*E6553		0.008170	$0.47
6559	Legal Expense	D6559*E6553		0.005352	$0.30
6560	Other Procurement Expense	D6560*E6553		0.002025	$0.12
6561	Research & Development Expense	D6561*E6553		0.000031	$0.00
6562	Other General and Admin Expense	D6562*E6553		0.015781	$0.90
6563	***Common Costs***	Sum(E6556:E6562)			$2.14
6564					
6565	***TELRIC + Common Costs***	E6553+E6563			$59.07

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hours	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP								
ADD								
-INTERCONNECT SERVICE CENTER (ICS)								
Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	1.000				3.00	$39.16	$1.96
Call CLEC, Inform LSR is in process of being worked	2	1.000				2.00	$39.16	$1.31
Exchange Information - Obtain CO name, address, office type	2	1.000				2.00	$39.16	$1.31
Look up billing USOC's for co-provider	5	1.000				5.00	$39.16	$3.26
Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	1.000				2.00	$39.16	$1.31
Using Swift/SOP, Issue orders	10	1.000				10.00	$39.16	$6.53
IMA-FOC (Firm Order Confirmation) to CLEC	2	1.000				2.00	$39.16	$1.31
CRM-Populate required fields	3	1.000				3.00	$39.16	$1.96
SOAC ensure at least 2 successes	6	1.000				6.00	$39.16	$3.92
SOP-Ensure PD or RL, File in drawer	2	1.000				2.00	$39.16	$1.31
ESOI's-Generated from Loop Provisioning Center	5	1.000				5.00	$39.16	$3.26
Call Handling, Follow up calls from Implementors, LPC, etc.	5	1.000				5.00	$39.16	$3.26
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**47.00**		**$30.68**
-LRAC								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
Screen order	2	0.200				0.40	$37.78	$0.25
Load work request/tech load system	2	0.200				0.40	$37.78	$0.25
Close out order with tech	3	0.050				0.15	$37.78	$0.09
Subtotal - LRAC						**0.95**		**$0.60**
-INSTALLATION/FIELD TECHNICIAN								
Travel time	21	1.000				21.00	$42.68	$14.94
Service Area Interface/field connection point work activity.	13	1.000				13.00	$42.68	$9.25
0.3 PROBABILITY IS PERCENT OF TIME NEW SERVICE WILL BE ORDERED REQUIRING WORK AT PREMISES								
Perform premises work activities	35	0.300				10.50	$42.68	$7.47
Testing and turn up.	20	0.300				6.00	$42.68	$4.27
Close order in field access system/ WFADO	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**53.50**		**$38.06**
-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)								
Prob #1 = 10% of orders require translations								
Translations	25	0.100				2.50	$41.45	$1.73
RADSL Service act and testing	10	0.100				1.00	$41.45	$0.69
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**3.50**		**$2.42**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP (con't)								
DISCONNECT								
-INTERCONNECT SERVICE CENTER (ICS)								
Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	1.000				3.00	$39.16	$1.96
Call CLEC, Inform LSR is in process of being worked	2	1.000				2.00	$39.16	$1.31
Using Swift/SOP, Issue orders	10	1.000				10.00	$39.16	$6.53
IMA-FOC (Firm Order Confirmation) to CLEC	2	1.000				2.00	$39.16	$1.31
CRM-Populate required fields	3	1.000				3.00	$39.16	$1.96
SOAC ensure at least 2 successes	6	1.000				6.00	$39.16	$3.92
SOP-Ensure PD or RL, File in drawer	2	1.000				2.00	$39.16	$1.31
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**28.00**		**$18.27**
-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)								
Prob #1 = 10% of orders require translations								
Translations	25	0.100				2.50	$41.45	$1.73
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**2.50**		**$1.73**
Total For Service:						**135.45**		**$91.75**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Work Minutes (Minutes)	Labor Rate	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP (con't)

		Cost Calculation	Cost Factor	Cost
6662	Direct Cost			$101.64
6663				
6664				
6665				
6666		B	C	D	E
6667	***Marketing & Business Fees***			
6668	Product Management Expense	D6668*E6662	0.034281	$3.15
6669	Sales Expense	D6669*E6662	0.011333	$1.04
6670	Product Advertising Expense	D6670*E6662	0.000000	$0.00
6671	Business Fees (Other Operating Taxes)	D6671*Sum(E6662:E6670)	0.001848	$0.18
6672	***Total Marketing & Business Fees***	Sum(E6668:E6671)		$4.36
6673				
6674	***Sub-Total Direct Cost & Marketing***	E6662+E6672		$96.11
6675				
6676	***Other Direct Expenses***			
6677	Network Operations	D6677*E6674	0.050289	$4.83
6678	Network Support Assets	D6678*E6674	0.015375	$1.48
6679	General Support Assets	D6679*E6674	0.080638	$7.75
6680	General Purpose Computers	D6680*E6674	0.036437	$3.50
6681	Uncollectible	D6681*E6674	0.001017	$0.10
6682	Accounting & Finance Expense	D6682*E6674	0.007523	$0.72
6683	Human Resources Expense	D6683*E6674	0.007263	$0.70
6684	Information Management Expense	D6684*E6674	0.051570	$4.96
6685	Intangibles	D6685*E6674	0.002516	$0.24
6686	***Total Other Direct Expenses***	Sum(E6677:E6685)		$24.28
6687				
6688	***TELRIC***	E6677+E6686		$120.39
6689				
6690	***Common***			
6691	Executive Expense	D6691*E6688	0.005786	$0.70
6692	Planning Expense	D6692*E6688	0.000498	$0.06
6693	External Relations Expense	D6693*E6688	0.008170	$0.98
6694	Legal Expense	D6694*E6688	0.005352	$0.64
6695	Other Procurement Expense	D6695*E6688	0.002025	$0.24
6696	Research & Development Expense	D6696*E6688	0.000031	$0.00
6697	Other General and Admin Expense	D6697*E6688	0.015781	$1.90
6698	***Common Costs***	Sum(E6691:E6697)		$4.53
6699				
6700	***TELRIC + Common Costs***	E6688+E6698		$124.92

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection
State: Arizona

NONRECURRING COST DETAIL SUMMARY

Work Item (A)	Time Minutes (B)	Prob #1 (C)	Prob #2 (D)	Prob #3 (E)	Prob #4 (F)	Adj. Time (G) B * (C Thru F)	Labor Rate (H)	Cost (I) H * (G/60)
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP								
ADD								
-INTERCONNECT SERVICE CENTER (ICS)								
.15 probability is % manual work required. 85% IMA Flow-through								
Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.150				0.45	$39.16	$0.29
Call CLEC, Inform LSR is in process of being worked	2	0.150				0.30	$39.16	$0.20
Exchange Information - Obtain CO name, address, office type	2	0.150				0.30	$39.16	$0.20
Look up billing USOC's for co-provider	5	0.150				0.75	$39.16	$0.49
Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	0.150				0.30	$39.16	$0.20
Using Swift/SOP, Issue orders	10	0.150				1.50	$39.16	$0.98
IMA-FOC (Firm Order Confirmation) to CLEC	2	0.150				0.30	$39.16	$0.20
CRM-Populate required fields	3	0.150				0.45	$39.16	$0.29
SOAC ensure at least 2 successes	6	0.150				0.90	$39.16	$0.59
SOP-Ensure PD or RL, File in drawer	2	0.150				0.30	$39.16	$0.20
ESOI's-Generated from Loop Provisioning Center	5	0.150				0.75	$39.16	$0.49
Call Handling, Follow up calls from Implementors, LPC, etc.	5	0.150				0.75	$39.16	$0.49
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**7.05**		**$4.60**
-LRAC								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
Screen order	2	0.200				0.40	$37.78	$0.25
Load work request tech load system	2	0.200				0.40	$37.78	$0.25
Close out order with tech	3	0.050				0.15	$37.78	$0.09
Subtotal - LRAC						**0.95**		**$0.60**
-INSTALLATION/FIELD TECHNICIAN								
Travel time	21	1.000				21.00	$42.68	$14.94
Service Area Interface/field connection point work activity.	15	1.000				15.00	$42.68	$10.67
Testing and turn up.	5	1.000				5.00	$42.68	$3.56
Close order in field access system/ WFADO	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**44.00**		**$31.30**
-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)								
Prob #1 = 10% of orders require translations								
Translations	25	0.100				2.50	$41.45	$1.73
RADSL Service act and testing	10	0.100				1.00	$41.45	$0.69
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**3.50**		**$2.42**

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Total Time (Minutes)	Hourly Rate	Total Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP (con't)								
DISCONNECT								
-INTERCONNECT SERVICE CENTER (ICS)								
.15 probability is % manual work required. 85% IMA Flow-through								
Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.150				0.45	$39.16	$0.29
Call CLEC, Inform LSR is in process of being worked	2	0.150				0.30	$39.16	$0.20
Using Swift/SOP, Issue orders	10	0.150				1.50	$39.16	$0.98
IMA-FOC (Firm Order Confirmation) to CLEC	2	0.150				0.30	$39.16	$0.20
CRM-Populate required fields	3	0.150				0.45	$39.16	$0.29
SOAC ensure at least 2 successes	6	0.150				0.90	$39.16	$0.59
SOP-Ensure PD or RL, File in drawer	2	0.150				0.30	$39.16	$0.20
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**4.20**		**$2.74**
-ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)								
Prob #1 = 10% of orders require translations								
Translations	25	0.100				2.50	$41.45	$1.73
Subtotal - ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)						**2.50**		**$1.73**
Total For Service:						**62.20**		**$43.38**

State: Arizona

	Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
	A	B	C	D	E	F	G	H	I
							B * (C Thru F)		H * (G/60)

UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP (con't)

6797	**Direct Cost**				**$19.38**
6798					
6799		Cost Calculation		Cost Factor	Cost
6800		B	C	D	E
6801					
6802	***Marketing & Business Fees***				
6803	Product Management Expense	D6803*E6797		0.034281	$1.49
6804	Sales Expense	D6804*E6797		0.011333	$0.49
6805	Product Advertising Expense	D6805*E6797		0.000000	$0.00
6806	Business Fees (Other Operating Taxes)	D6806*Sum(E6797:E6805)		0.001848	$0.08
6807	***Total Marketing & Business Fees***	Sum(E6803:E6806)			$2.06
6808					
6809	***Sub-Total Direct Cost & Marketing***	E6797+E6807			$45.45
6810					
6811	***Other Direct Expenses***				
6812	Network Operations	D6812*E6809		0.050289	$2.29
6813	Network Support Assets	D6813*E6809		0.015375	$0.70
6814	General Support Assets	D6814*E6809		0.080638	$3.66
6815	General Purpose Computers	D6815*E6809		0.036437	$1.66
6816	Uncollectible	D6816*E6809		0.001017	$0.05
6817	Accounting & Finance Expense	D6817*E6809		0.007523	$0.34
6818	Human Resources Expense	D6818*E6809		0.007263	$0.33
6819	Information Management Expense	D6819*E6809		0.051570	$2.34
6820	Intangibles	D6820*E6809		0.002516	$0.11
6821	***Total Other Direct Expenses***	Sum(E6812:E6820)			$11.48
6822					
6823	***TELRIC***	E6812+E6821			$56.93
6824					
6825	***Common***				
6826	Executive Expense	D6826*E6823		0.005786	$0.33
6827	Planning Expense	D6827*E6823		0.000498	$0.03
6828	External Relations Expense	D6828*E6823		0.008170	$0.47
6829	Legal Expense	D6829*E6823		0.005352	$0.30
6830	Other Procurement Expense	D6830*E6823		0.002025	$0.12
6831	Research & Development Expense	D6831*E6823		0.000031	$0.00
6832	Other General and Admin Expense	D6832*E6823		0.015781	$0.90
6833	***Common Costs***	Sum(E6826:E6832)			$2.14
6834					
6835	***TELRIC + Common Costs***	E6823+E6833			$59.07

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I H * (G/60)
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC								
ADD								
-ACCOUNT MANAGER								
ISSUE FORMS/TECH SUPPORT	120	1.000				120.00	$56.97	$113.94
Subtotal - ACCOUNT MANAGER						**120.00**		**$113.94**
-CT TECHNICAL SUPPORT								
PROVISION FORMS	120	1.000				120.00	$56.97	$113.94
Subtotal - CT TECHNICAL SUPPORT						**120.00**		**$113.94**
Total For Service:						**240.00**		**$227.88**

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC (con't)

6887	Direct Cost			[illegible]
6888				
6889		Cost Calculation	Cost Factor	Cost
6890				
6891		B	C	D
6892	***Marketing & Business Fees***			
6893	Product Management Expense	D6893*E6887	0.034281	$7.81
6894	Sales Expense	D6894*E6887	0.011333	$2.58
6895	Product Advertising Expense	D6895*E6887	0.000000	$0.00
6896	Business Fees (Other Operating Taxes)	D6896*Sum(E6887:E6895)	0.001848	$0.44
6897	***Total Marketing & Business Fees***	Sum(E6893:E6896)		$10.83
6898				
6899	***Sub-Total Direct Cost & Marketing***	E6887+E6897		$238.71
6900				
6901	***Other Direct Expenses***			
6902	Network Operations	D6902*E6899	0.050289	$12.00
6903	Network Support Assets	D6903*E6899	0.015375	$3.67
6904	General Support Assets	D6904*E6899	0.080638	$19.25
6905	General Purpose Computers	D6905*E6899	0.036437	$8.70
6906	Uncollectible	D6906*E6899	0.001017	$0.24
6907	Accounting & Finance Expense	D6907*E6899	0.007523	$1.80
6908	Human Resources Expense	D6908*E6899	0.007263	$1.73
6909	Information Management Expense	D6909*E6899	0.051570	$12.31
6910	Intangibles	D6910*E6899	0.002516	$0.60
6911	***Total Other Direct Expenses***	Sum(E6902:E6910)		$60.31
6912				
6913	***TELRIC***	E6902+E6911		$299.02
6914				
6915	***Common***			
6916	Executive Expense	D6916*E6913	0.005786	$1.73
6917	Planning Expense	D6917*E6913	0.000498	$0.15
6918	External Relations Expense	D6918*E6913	0.008170	$2.44
6919	Legal Expense	D6919*E6913	0.005352	$1.60
6920	Other Procurement Expense	D6920*E6913	0.002025	$0.61
6921	Research & Development Expense	D6921*E6913	0.000031	$0.01
6922	Other General and Admin Expense	D6922*E6913	0.015781	$4.72
6923	***Common Costs***	Sum(E6916:E6922)		$11.26
6924				
6925	***TELRIC + Common Costs***	E6913+E6923		$310.28

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Prob #5	Adjusted Time Minutes	Labor Rate	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH								
****ADD****								
-ACCOUNT MANAGER								
ISSUE FORMS/COMPLEX TRANS	30	1.000				30.00	$56.97	$28.49
Subtotal - ACCOUNT MANAGER						**30.00**		**$28.49**
-COMPLEX TRANSLATIONS								
Probability weightings are the percent by switch type.								
PROV/TEST LCC DMS100	240	0.340				81.60	$41.45	$56.37
PROV/TEST LCC 5E,DMS10	180	0.660				118.80	$41.45	$82.07
Subtotal - COMPLEX TRANSLATIONS						**200.40**		**$138.44**
Total For Service:						**230.40**		**$166.93**

NONRECURRING COST DETAIL SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Workform A	Time Minutes B	Prob C	Prob D	Prob E	Prob F	G B * (C Thru F)	H	I H * (G/60)

CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH (con't)

		Cost Calculation B	C	D	E
6977	**Direct Cost**				
6978					
6979					
6980					
6981					
6982	***Marketing & Business Fees***				
6983	Product Management Expense	D6983*E6977		0.034281	$5.72
6984	Sales Expense	D6984*E6977		0.011333	$1.89
6985	Product Advertising Expense	D6985*E6977		0.000000	$0.00
6986	Business Fees (Other Operating Taxes)	D6986*Sum(E6977:E6985)		0.001848	$0.32
6987	***Total Marketing & Business Fees***	Sum(E6983:E6986)			$7.94
6988					
6989	***Sub-Total Direct Cost & Marketing***	E6977+E6987			$174.86
6990					
6991	***Other Direct Expenses***				
6992	Network Operations	D6992*E6989		0.050289	$8.79
6993	Network Support Assets	D6993*E6989		0.015375	$2.69
6994	General Support Assets	D6994*E6989		0.080638	$14.10
6995	General Purpose Computers	D6995*E6989		0.036437	$6.37
6996	Uncollectible	D6996*E6989		0.001017	$0.18
6997	Accounting & Finance Expense	D6997*E6989		0.007523	$1.32
6998	Human Resources Expense	D6998*E6989		0.007263	$1.27
6999	Information Management Expense	D6999*E6989		0.051570	$9.02
7000	Intangibles	D7000*E6989		0.002516	$0.44
7001	***Total Other Direct Expenses***	Sum(E6992:E7000)			$44.18
7002					
7003	***TELRIC***	E6992+E7001			$219.04
7004					
7005	***Common***				
7006	Executive Expense	D7006*E7003		0.005786	$1.27
7007	Planning Expense	D7007*E7003		0.000498	$0.11
7008	External Relations Expense	D7008*E7003		0.008170	$1.79
7009	Legal Expense	D7009*E7003		0.005352	$1.17
7010	Other Procurement Expense	D7010*E7003		0.002025	$0.44
7011	Research & Development Expense	D7011*E7003		0.000031	$0.01
7012	Other General and Admin Expense	D7012*E7003		0.015781	$3.46
7013	***Common Costs***	Sum(E7006:E7012)			$8.25
7014					
7015	***TELRIC + Common Costs***	E7003+E7013			$227.29

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Times In Minutes	Labor Rate Per Hour	Costs
CENTREX COMMON EQUIPMENT			
Inward Costs			
NROC - COMPLEX TRANSLATIONS	1259.68	$41.45	$870.23
Subtotal - Inward	**1259.68**		**$870.23**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1259.68**		**$870.23**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
22	Direct Cost	[illegible]	[illegible]	$870.23

		Cost Calculation	Cost Factor	Cost
		B	D	E
23				
24				
25				
26				
27	***Marketing & Business Fees***			
28	Product Management Expense	D28*E22	0.034281	$29.83
29	Sales Expense	D29*E22	0.011333	$9.86
30	Product Advertising Expense	D30*E22	0.000000	$0.00
31	Business Fees (Other Operating Taxes)	D31*Sum(E22:E30)	0.001848	$1.68
32	***Total Marketing & Business Fees***	Sum(E28:E31)		$41.38
33				
34	***Sub-Total Direct Cost & Marketing***	E22+E32		$911.61
35				
36	***Other Direct Expenses***			
37	Network Operations	D37*E34	0.050289	$45.84
38	Network Support Assets	D38*E34	0.015375	$14.02
39	General Support Assets	D39*E34	0.080638	$73.51
40	General Purpose Computers	D40*E34	0.036437	$33.22
41	Uncollectible	D41*E34	0.001017	$0.93
42	Accounting & Finance Expense	D42*E34	0.007523	$6.86
43	Human Resources Expense	D43*E34	0.007263	$6.62
44	Information Management Expense	D44*E34	0.051570	$47.01
45	Intangibles	D45*E34	0.002516	$2.29
46	***Total Other Direct Expenses***	Sum(E37:E45)		$230.30
47				
48	***TELRIC***	E37+E46		$1,141.90
49				
50	***Common***			
51	Executive Expense	D51*E48	0.005786	$6.61
52	Planning Expense	D52*E48	0.000498	$0.57
53	External Relations Expense	D53*E48	0.008170	$9.33
54	Legal Expense	D54*E48	0.005352	$6.11
55	Other Procurement Expense	D55*E48	0.002025	$2.31
56	Research & Development Expense	D56*E48	0.000031	$0.04
57	Other General and Admin Expense	D57*E48	0.015781	$18.02
58	***Common Costs***	Sum(E51:E57)		$42.98
59				
60	***TELRIC + Common Costs***	E48+E58		$1,184.89

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Cost

ACCOUNT CODES, PER SYSTEM

Inward Costs

RCMAC	1.00	$43.81	$0.73
NROC	82.50	$41.45	$56.99
Subtotal - Inward	**83.50**		**$57.72**

Outward Costs

Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**83.50**		**$57.72**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
82	Direct Cost			[illegible]
83				
84		Cost Calculation	Cost Factor	Cost
85				
86		B	C	D	E
87	***Marketing & Business Fees***				
88	Product Management Expense	D88*E82		0.034281	$1.98
89	Sales Expense	D89*E82		0.011333	$0.65
90	Product Advertising Expense	D90*E82		0.000000	$0.00
91	Business Fees (Other Operating Taxes)	D91*Sum(E82:E90)		0.001848	$0.11
92	***Total Marketing & Business Fees***	Sum(E88:E91)			$2.74
93					
94	***Sub-Total Direct Cost & Marketing***	E82+E92			$60.47
95					
96	***Other Direct Expenses***				
97	Network Operations	D97*E94		0.050289	$3.04
98	Network Support Assets	D98*E94		0.015375	$0.93
99	General Support Assets	D99*E94		0.080638	$4.88
100	General Purpose Computers	D100*E94		0.036437	$2.20
101	Uncollectible	D101*E94		0.001017	$0.06
102	Accounting & Finance Expense	D102*E94		0.007523	$0.45
103	Human Resources Expense	D103*E94		0.007263	$0.44
104	Information Management Expense	D104*E94		0.051570	$3.12
105	Intangibles	D105*E94		0.002516	$0.15
106	***Total Other Direct Expenses***	Sum(E97:E105)			$15.28
107					
108	***TELRIC***	E97+E106			$75.74
109					
110	***Common***				
111	Executive Expense	D111*E108		0.005786	$0.44
112	Planning Expense	D112*E108		0.000498	$0.04
113	External Relations Expense	D113*E108		0.008170	$0.62
114	Legal Expense	D114*E108		0.005352	$0.41
115	Other Procurement Expense	D115*E108		0.002025	$0.15
116	Research & Development Expense	D116*E108		0.000031	$0.00
117	Other General and Admin Expense	D117*E108		0.015781	$1.20
118	***Common Costs***	Sum(E111:E117)			$2.85
119					
120	***TELRIC + Common Costs***	E108+E118			$78.60

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time Required (Minutes)	Labor Rate Per Hour	Costs

ATTENDANT ACCESS LINE - PER STATION LINE

Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	0.15	$41.45	$0.10
Subtotal - Inward	**1.15**		**$0.83**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.15**		**$0.83**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
142	***Direct Cost***	E141+E142		$0.83
143				
144		Cost Calculation	Cost Factor	Cost
145				
146		B	C	D	E
147	***Marketing & Business Fees***				
148	Product Management Expense	D148*E142		0.034281	$0.03
149	Sales Expense	D149*E142		0.011333	$0.01
150	Product Advertising Expense	D150*E142		0.000000	$0.00
151	Business Fees (Other Operating Taxes)	D151*Sum(E142:E150)		0.001848	$0.00
152	***Total Marketing & Business Fees***	Sum(E148:E151)			$0.04
153					
154	***Sub-Total Direct Cost & Marketing***	E142+E152			$0.87
155					
156	***Other Direct Expenses***				
157	Network Operations	D157*E154		0.050289	$0.04
158	Network Support Assets	D158*E154		0.015375	$0.01
159	General Support Assets	D159*E154		0.080638	$0.07
160	General Purpose Computers	D160*E154		0.036437	$0.03
161	Uncollectible	D161*E154		0.001017	$0.00
162	Accounting & Finance Expense	D162*E154		0.007523	$0.01
163	Human Resources Expense	D163*E154		0.007263	$0.01
164	Information Management Expense	D164*E154		0.051570	$0.05
165	Intangibles	D165*E154		0.002516	$0.00
166	***Total Other Direct Expenses***	Sum(E157:E165)			$0.22
167					
168	***TELRIC***	E157+E166			$1.09
169					
170	***Common***				
171	Executive Expense	D171*E168		0.005786	$0.01
172	Planning Expense	D172*E168		0.000498	$0.00
173	External Relations Expense	D173*E168		0.008170	$0.01
174	Legal Expense	D174*E168		0.005352	$0.01
175	Other Procurement Expense	D175*E168		0.002025	$0.00
176	Research & Development Expense	D176*E168		0.000031	$0.00
177	Other General and Admin Expense	D177*E168		0.015781	$0.02
178	***Common Costs***	Sum(E171:E177)			$0.04
179					
180	***TELRIC + Common Costs***	E168+E178			$1.14

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
AUDIBLE MESSAGE WAITING			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
Subtotal - Inward	**1.00**		**$0.73**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.00**		**$0.73**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Type of Labor	Labor Rate	Hours	Cost
201	Direct Cost & Marketing Expense Factor	Calculation Factor			$0.73

		Cost Calculation	Factor	Cost
		A	D	E
202				
203				
204				
205				
206	***Marketing & Business Fees***			
207	Product Management Expense	D207*E201	0.034281	$0.03
208	Sales Expense	D208*E201	0.011333	$0.01
209	Product Advertising Expense	D209*E201	0.000000	$0.00
210	Business Fees (Other Operating Taxes)	D210*Sum(E201:E209)	0.001848	$0.00
211	***Total Marketing & Business Fees***	Sum(E207:E210)		$0.03
212				
213	***Sub-Total Direct Cost & Marketing***	E201+E211		$0.76
214				
215	***Other Direct Expenses***			
216	Network Operations	D216*E213	0.050289	$0.04
217	Network Support Assets	D217*E213	0.015375	$0.01
218	General Support Assets	D218*E213	0.080638	$0.06
219	General Purpose Computers	D219*E213	0.036437	$0.03
220	Uncollectible	D220*E213	0.001017	$0.00
221	Accounting & Finance Expense	D221*E213	0.007523	$0.01
222	Human Resources Expense	D222*E213	0.007263	$0.01
223	Information Management Expense	D223*E213	0.051570	$0.04
224	Intangibles	D224*E213	0.002516	$0.00
225	***Total Other Direct Expenses***	Sum(E216:E224)		$0.19
226				
227	***TELRIC***	E216+E225		$0.96
228				
229	***Common***			
230	Executive Expense	D230*E227	0.005786	$0.01
231	Planning Expense	D231*E227	0.000498	$0.00
232	External Relations Expense	D232*E227	0.008170	$0.01
233	Legal Expense	D233*E227	0.005352	$0.01
234	Other Procurement Expense	D234*E227	0.002025	$0.00
235	Research & Development Expense	D235*E227	0.000031	$0.00
236	Other General and Admin Expense	D236*E227	0.015781	$0.02
237	***Common Costs***	Sum(E230:E236)		$0.04
238				
239	***TELRIC + Common Costs***	E227+E237		$0.99

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
AUTHORIZATION CODES - PER SYSTEM			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
NROC	249.20	$41.45	$172.16
Subtotal - Inward	**249.86**		**$172.64**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**249.86**		**$172.64**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
261	Direct Cost			$172.64
262				
263		Cost Calculation	Cost Factor	Cost
264				
265		B	D	E
266	***Marketing & Business Fees***			
267	Product Management Expense	D267*E261	0.034281	$5.92
268	Sales Expense	D268*E261	0.011333	$1.96
269	Product Advertising Expense	D269*E261	0.000000	$0.00
270	Business Fees (Other Operating Taxes)	D270*Sum(E261:E269)	0.001848	$0.33
271	***Total Marketing & Business Fees***	Sum(E267:E270)		$8.21
272				
273	***Sub-Total Direct Cost & Marketing***	E261+E271		$180.85
274				
275	***Other Direct Expenses***			
276	Network Operations	D276*E273	0.050289	$9.09
277	Network Support Assets	D277*E273	0.015375	$2.78
278	General Support Assets	D278*E273	0.080638	$14.58
279	General Purpose Computers	D279*E273	0.036437	$6.59
280	Uncollectible	D280*E273	0.001017	$0.18
281	Accounting & Finance Expense	D281*E273	0.007523	$1.36
282	Human Resources Expense	D282*E273	0.007263	$1.31
283	Information Management Expense	D283*E273	0.051570	$9.33
284	Intangibles	D284*E273	0.002516	$0.46
285	***Total Other Direct Expenses***	Sum(E276:E284)		$45.69
286				
287	***TELRIC***	E276+E285		$226.53
288				
289	***Common***			
290	Executive Expense	D290*E287	0.005786	$1.31
291	Planning Expense	D291*E287	0.000498	$0.11
292	External Relations Expense	D292*E287	0.008170	$1.85
293	Legal Expense	D293*E287	0.005352	$1.21
294	Other Procurement Expense	D294*E287	0.002025	$0.46
295	Research & Development Expense	D295*E287	0.000031	$0.01
296	Other General and Admin Expense	D296*E287	0.015781	$3.57
297	***Common Costs***	Sum(E290:E296)		$8.53
298				
299	***TELRIC + Common Costs***	E287+E297		$235.06

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
AUTOMATIC LINE, per station line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
320	***Direct Cost***			$0.25
321				
322		Cost Calculation	Cost Factor	Cost
323				
324		B	C	D	E
325	***Marketing & Business Fees***				
326	Product Management Expense	D326*E320		0.034281	$0.01
327	Sales Expense	D327*E320		0.011333	$0.00
328	Product Advertising Expense	D328*E320		0.000000	$0.00
329	Business Fees (Other Operating Taxes)	D329*Sum(E320:E328)		0.001848	$0.00
330	***Total Marketing & Business Fees***	Sum(E326:E329)			$0.01
331					
332	***Sub-Total Direct Cost & Marketing***	E320+E330			$0.26
333					
334	***Other Direct Expenses***				
335	Network Operations	D335*E332		0.050289	$0.01
336	Network Support Assets	D336*E332		0.015375	$0.00
337	General Support Assets	D337*E332		0.080638	$0.02
338	General Purpose Computers	D338*E332		0.036437	$0.01
339	Uncollectible	D339*E332		0.001017	$0.00
340	Accounting & Finance Expense	D340*E332		0.007523	$0.00
341	Human Resources Expense	D341*E332		0.007263	$0.00
342	Information Management Expense	D342*E332		0.051570	$0.01
343	Intangibles	D343*E332		0.002516	$0.00
344	***Total Other Direct Expenses***	Sum(E335:E343)			$0.07
345					
346	***TELRIC***	E335+E344			$0.33
347					
348	***Common***				
349	Executive Expense	D349*E346		0.005786	$0.00
350	Planning Expense	D350*E346		0.000498	$0.00
351	External Relations Expense	D351*E346		0.008170	$0.00
352	Legal Expense	D352*E346		0.005352	$0.00
353	Other Procurement Expense	D353*E346		0.002025	$0.00
354	Research & Development Expense	D354*E346		0.000031	$0.00
355	Other General and Admin Expense	D355*E346		0.015781	$0.01
356	***Common Costs***	Sum(E349:E355)			$0.01
357					
358	***TELRIC + Common Costs***	E346+E356			$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
ARS - COMMON EQUIPMENT, per system			
Inward Costs			
NROC	2192.60	$41.45	$1,514.72
Subtotal - Inward	**2192.60**		**$1,514.72**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**2192.60**		**$1,514.72**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
379	**Direct Cost**			$1,514.72
380				
381		Cost Calculation	Cost Factor	Cost
382				
383		B	C	D	E
384	***Marketing & Business Fees***				
385	Product Management Expense	D385*E379		0.034281	$51.93
386	Sales Expense	D386*E379		0.011333	$17.17
387	Product Advertising Expense	D387*E379		0.000000	$0.00
388	Business Fees (Other Operating Taxes)	D388*Sum(E379:E387)		0.001848	$2.93
389	***Total Marketing & Business Fees***	Sum(E385:E388)			$72.02
390					
391	***Sub-Total Direct Cost & Marketing***	E379+E389			$1,586.74
392					
393	***Other Direct Expenses***				
394	Network Operations	D394*E391		0.050289	$79.80
395	Network Support Assets	D395*E391		0.015375	$24.40
396	General Support Assets	D396*E391		0.080638	$127.95
397	General Purpose Computers	D397*E391		0.036437	$57.82
398	Uncollectible	D398*E391		0.001017	$1.61
399	Accounting & Finance Expense	D399*E391		0.007523	$11.94
400	Human Resources Expense	D400*E391		0.007263	$11.52
401	Information Management Expense	D401*E391		0.051570	$81.83
402	Intangibles	D402*E391		0.002516	$3.99
403	***Total Other Direct Expenses***	Sum(E394:E402)			$400.86
404					
405	***TELRIC***	E394+E403			$1,987.60
406					
407	***Common***				
408	Executive Expense	D408*E405		0.005786	$11.50
409	Planning Expense	D409*E405		0.000498	$0.99
410	External Relations Expense	D410*E405		0.008170	$16.24
411	Legal Expense	D411*E405		0.005352	$10.64
412	Other Procurement Expense	D412*E405		0.002025	$4.02
413	Research & Development Expense	D413*E405		0.000031	$0.06
414	Other General and Admin Expense	D414*E405		0.015781	$31.37
415	***Common Costs***	Sum(E408:E414)			$74.82
416					
417	***TELRIC + Common Costs***	E405+E415			$2,062.41

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CALL DROP			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
438	[illegible]			$0.25
439				
440				
441				
442				

		Cost Calculation	Factor	Cost
		B	C	E
443	***Marketing & Business Fees***			
444	Product Management Expense	D444*E438	0.034281	$0.01
445	Sales Expense	D445*E438	0.011333	$0.00
446	Product Advertising Expense	D446*E438	0.000000	$0.00
447	Business Fees (Other Operating Taxes)	D447*Sum(E438:E446)	0.001848	$0.00
448	***Total Marketing & Business Fees***	Sum(E444:E447)		$0.01
449				
450	***Sub-Total Direct Cost & Marketing***	E438+E448		$0.26
451				
452	***Other Direct Expenses***			
453	Network Operations	D453*E450	0.050289	$0.01
454	Network Support Assets	D454*E450	0.015375	$0.00
455	General Support Assets	D455*E450	0.080638	$0.02
456	General Purpose Computers	D456*E450	0.036437	$0.01
457	Uncollectible	D457*E450	0.001017	$0.00
458	Accounting & Finance Expense	D458*E450	0.007523	$0.00
459	Human Resources Expense	D459*E450	0.007263	$0.00
460	Information Management Expense	D460*E450	0.051570	$0.01
461	Intangibles	D461*E450	0.002516	$0.00
462	***Total Other Direct Expenses***	Sum(E453:E461)		$0.07
463				
464	***TELRIC***	E453+E462		$0.33
465				
466	***Common***			
467	Executive Expense	D467*E464	0.005786	$0.00
468	Planning Expense	D468*E464	0.000498	$0.00
469	External Relations Expense	D469*E464	0.008170	$0.00
470	Legal Expense	D470*E464	0.005352	$0.00
471	Other Procurement Expense	D471*E464	0.002025	$0.00
472	Research & Development Expense	D472*E464	0.000031	$0.00
473	Other General and Admin Expense	D473*E464	0.015781	$0.01
474	***Common Costs***	Sum(E467:E473)		$0.01
475				
476	***TELRIC + Common Costs***	E464+E474		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CALL EXCLUSION - AUTOMATIC			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
Subtotal - Inward	**1.00**		**$0.73**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.00**		**$0.73**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
497	**Direct Cost**			$0.73
498				
499		Cost Calculation	Cost Factor	Cost
500				
501		B	C	D	E
502	***Marketing & Business Fees***				
503	Product Management Expense	D503*E497		0.034281	$0.03
504	Sales Expense	D504*E497		0.011333	$0.01
505	Product Advertising Expense	D505*E497		0.000000	$0.00
506	Business Fees (Other Operating Taxes)	D506*Sum(E497:E505)		0.001848	$0.00
507	***Total Marketing & Business Fees***	Sum(E503:E506)			$0.03
508					
509	***Sub-Total Direct Cost & Marketing***	E497+E507			$0.76
510					
511	***Other Direct Expenses***				
512	Network Operations	D512*E509		0.050289	$0.04
513	Network Support Assets	D513*E509		0.015375	$0.01
514	General Support Assets	D514*E509		0.080638	$0.06
515	General Purpose Computers	D515*E509		0.036437	$0.03
516	Uncollectible	D516*E509		0.001017	$0.00
517	Accounting & Finance Expense	D517*E509		0.007523	$0.01
518	Human Resources Expense	D518*E509		0.007263	$0.01
519	Information Management Expense	D519*E509		0.051570	$0.04
520	Intangibles	D520*E509		0.002516	$0.00
521	***Total Other Direct Expenses***	Sum(E512:E520)			$0.19
522					
523	***TELRIC***	E512+E521			$0.96
524					
525	***Common***				
526	Executive Expense	D526*E523		0.005786	$0.01
527	Planning Expense	D527*E523		0.000498	$0.00
528	External Relations Expense	D528*E523		0.008170	$0.01
529	Legal Expense	D529*E523		0.005352	$0.01
530	Other Procurement Expense	D530*E523		0.002025	$0.00
531	Research & Development Expense	D531*E523		0.000031	$0.00
532	Other General and Admin Expense	D532*E523		0.015781	$0.02
533	***Common Costs***	Sum(E526:E532)			$0.04
534					
535	***TELRIC + Common Costs***	E523+E533			$0.99

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CALL EXCLUSION			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
Subtotal - Inward	**0.66**		**$0.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.66**		**$0.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
556	Direct Cost			$0.48
557				
558		Cost Calculation	Cost Factor	Cost
559				
560		B	C	D	E
561	***Marketing & Business Fees***				
562	Product Management Expense	D562*E556		0.034281	$0.02
563	Sales Expense	D563*E556		0.011333	$0.01
564	Product Advertising Expense	D564*E556		0.000000	$0.00
565	Business Fees (Other Operating Taxes)	D565*Sum(E556:E564)		0.001848	$0.00
566	***Total Marketing & Business Fees***	Sum(E562:E565)			$0.02
567					
568	***Sub-Total Direct Cost & Marketing***	E556+E566			$0.50
569					
570	***Other Direct Expenses***				
571	Network Operations	D571*E568		0.050289	$0.03
572	Network Support Assets	D572*E568		0.015375	$0.01
573	General Support Assets	D573*E568		0.080638	$0.04
574	General Purpose Computers	D574*E568		0.036437	$0.02
575	Uncollectible	D575*E568		0.001017	$0.00
576	Accounting & Finance Expense	D576*E568		0.007523	$0.00
577	Human Resources Expense	D577*E568		0.007263	$0.00
578	Information Management Expense	D578*E568		0.051570	$0.03
579	Intangibles	D579*E568		0.002516	$0.00
580	***Total Other Direct Expenses***	Sum(E571:E579)			$0.13
581					
582	***TELRIC***	E571+E580			$0.63
583					
584	***Common***				
585	Executive Expense	D585*E582		0.005786	$0.00
586	Planning Expense	D586*E582		0.000498	$0.00
587	External Relations Expense	D587*E582		0.008170	$0.01
588	Legal Expense	D588*E582		0.005352	$0.00
589	Other Procurement Expense	D589*E582		0.002025	$0.00
590	Research & Development Expense	D590*E582		0.000031	$0.00
591	Other General and Admin Expense	D591*E582		0.015781	$0.01
592	***Common Costs***	Sum(E585:E591)			$0.02
593					
594	***TELRIC + Common Costs***	E582+E592			$0.66

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
Subtotal - Inward	**1.00**		**$0.73**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.00**		**$0.73**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
615	Direct Cost [illegible]			$0.75
616				
617		Cost Calculation	Cost Factor	Cost
618				
619		B	C	D	E
620	***Marketing & Business Fees***				
621	Product Management Expense	D621*E615		0.034281	$0.03
622	Sales Expense	D622*E615		0.011333	$0.01
623	Product Advertising Expense	D623*E615		0.000000	$0.00
624	Business Fees (Other Operating Taxes)	D624*Sum(E615:E623)		0.001848	$0.00
625	***Total Marketing & Business Fees***	Sum(E621:E624)			$0.03
626					
627	***Sub-Total Direct Cost & Marketing***	E615+E625			$0.76
628					
629	***Other Direct Expenses***				
630	Network Operations	D630*E627		0.050289	$0.04
631	Network Support Assets	D631*E627		0.015375	$0.01
632	General Support Assets	D632*E627		0.080638	$0.06
633	General Purpose Computers	D633*E627		0.036437	$0.03
634	Uncollectible	D634*E627		0.001017	$0.00
635	Accounting & Finance Expense	D635*E627		0.007523	$0.01
636	Human Resources Expense	D636*E627		0.007263	$0.01
637	Information Management Expense	D637*E627		0.051570	$0.04
638	Intangibles	D638*E627		0.002516	$0.00
639	***Total Other Direct Expenses***	Sum(E630:E638)			$0.19
640					
641	***TELRIC***	E630+E639			$0.96
642					
643	***Common***				
644	Executive Expense	D644*E641		0.005786	$0.01
645	Planning Expense	D645*E641		0.000498	$0.00
646	External Relations Expense	D646*E641		0.008170	$0.01
647	Legal Expense	D647*E641		0.005352	$0.01
648	Other Procurement Expense	D648*E641		0.002025	$0.00
649	Research & Development Expense	D649*E641		0.000031	$0.00
650	Other General and Admin Expense	D650*E641		0.015781	$0.02
651	***Common Costs***	Sum(E644:E650)			$0.04
652					
653	***TELRIC + Common Costs***	E641+E651			$0.99

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	15.30	$41.45	$10.57
Subtotal - Inward	**16.30**		**$11.30**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**16.30**		**$11.30**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
675	**Direct Cost:**			$11.30
676				
677				
678				
679				
680	***Marketing & Business Fees***			
681	Product Management Expense	D681*E675	0.034281	$0.39
682	Sales Expense	D682*E675	0.011333	$0.13
683	Product Advertising Expense	D683*E675	0.000000	$0.00
684	Business Fees (Other Operating Taxes)	D684*Sum(E675:E683)	0.001848	$0.02
685	***Total Marketing & Business Fees***	Sum(E681:E684)		$0.54
686				
687	***Sub-Total Direct Cost & Marketing***	E675+E685		$11.84
688				
689	***Other Direct Expenses***			
690	Network Operations	D690*E687	0.050289	$0.60
691	Network Support Assets	D691*E687	0.015375	$0.18
692	General Support Assets	D692*E687	0.080638	$0.95
693	General Purpose Computers	D693*E687	0.036437	$0.43
694	Uncollectible	D694*E687	0.001017	$0.01
695	Accounting & Finance Expense	D695*E687	0.007523	$0.09
696	Human Resources Expense	D696*E687	0.007263	$0.09
697	Information Management Expense	D697*E687	0.051570	$0.61
698	Intangibles	D698*E687	0.002516	$0.03
699	***Total Other Direct Expenses***	Sum(E690:E698)		$2.99
700				
701	***TELRIC***	E690+E699		$14.83
702				
703	***Common***			
704	Executive Expense	D704*E701	0.005786	$0.09
705	Planning Expense	D705*E701	0.000498	$0.01
706	External Relations Expense	D706*E701	0.008170	$0.12
707	Legal Expense	D707*E701	0.005352	$0.08
708	Other Procurement Expense	D708*E701	0.002025	$0.03
709	Research & Development Expense	D709*E701	0.000031	$0.00
710	Other General and Admin Expense	D710*E701	0.015781	$0.23
711	***Common Costs***	Sum(E704:E710)		$0.56
712				
713	***TELRIC + Common Costs***	E701+E711		$15.39

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CALL WAITING INDICATION, per unique timing state, per timing state			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
Subtotal - Inward	**1.00**		**$0.73**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.00**		**$0.73**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
734	Direct Cost			$0.73
735				
736		Cost Calculation	Cost Factor	Cost
737				
738		B	D	E
739	***Marketing & Business Fees***			
740	Product Management Expense	D740*E734	0.034281	$0.03
741	Sales Expense	D741*E734	0.011333	$0.01
742	Product Advertising Expense	D742*E734	0.000000	$0.00
743	Business Fees (Other Operating Taxes)	D743*Sum(E734:E742)	0.001848	$0.00
744	***Total Marketing & Business Fees***	Sum(E740:E743)		$0.03
745				
746	***Sub-Total Direct Cost & Marketing***	E734+E744		$0.76
747				
748	***Other Direct Expenses***			
749	Network Operations	D749*E746	0.050289	$0.04
750	Network Support Assets	D750*E746	0.015375	$0.01
751	General Support Assets	D751*E746	0.080638	$0.06
752	General Purpose Computers	D752*E746	0.036437	$0.03
753	Uncollectible	D753*E746	0.001017	$0.00
754	Accounting & Finance Expense	D754*E746	0.007523	$0.01
755	Human Resources Expense	D755*E746	0.007263	$0.01
756	Information Management Expense	D756*E746	0.051570	$0.04
757	Intangibles	D757*E746	0.002516	$0.00
758	***Total Other Direct Expenses***	Sum(E749:E757)		$0.19
759				
760	***TELRIC***	E749+E758		$0.96
761				
762	***Common***			
763	Executive Expense	D763*E760	0.005786	$0.01
764	Planning Expense	D764*E760	0.000498	$0.00
765	External Relations Expense	D765*E760	0.008170	$0.01
766	Legal Expense	D766*E760	0.005352	$0.01
767	Other Procurement Expense	D767*E760	0.002025	$0.00
768	Research & Development Expense	D768*E760	0.000031	$0.00
769	Other General and Admin Expense	D769*E760	0.015781	$0.02
770	***Common Costs***	Sum(E763:E769)		$0.04
771				
772	***TELRIC + Common Costs***	E760+E770		$0.99

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CFBL INCOMING ONLY			
Inward Costs			
NROC	39.60	$41.45	$27.36
Subtotal - Inward	**39.60**		**$27.36**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**39.60**		**$27.36**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
793	Direct Cost			$27.36
794				
795		Cost Calculation	Cost Factor	Cost
796				
797		B	C	D	E
798	***Marketing & Business Fees***				
799	Product Management Expense	D799*E793		0.034281	$0.94
800	Sales Expense	D800*E793		0.011333	$0.31
801	Product Advertising Expense	D801*E793		0.000000	$0.00
802	Business Fees (Other Operating Taxes)	D802*Sum(E793:E801)		0.001848	$0.05
803	***Total Marketing & Business Fees***	Sum(E799:E802)			$1.30
804					
805	***Sub-Total Direct Cost & Marketing***	E793+E803			$28.66
806					
807	***Other Direct Expenses***				
808	Network Operations	D808*E805		0.050289	$1.44
809	Network Support Assets	D809*E805		0.015375	$0.44
810	General Support Assets	D810*E805		0.080638	$2.31
811	General Purpose Computers	D811*E805		0.036437	$1.04
812	Uncollectible	D812*E805		0.001017	$0.03
813	Accounting & Finance Expense	D813*E805		0.007523	$0.22
814	Human Resources Expense	D814*E805		0.007263	$0.21
815	Information Management Expense	D815*E805		0.051570	$1.48
816	Intangibles	D816*E805		0.002516	$0.07
817	***Total Other Direct Expenses***	Sum(E808:E816)			$7.24
818					
819	***TELRIC***	E808+E817			$35.90
820					
821	***Common***				
822	Executive Expense	D822*E819		0.005786	$0.21
823	Planning Expense	D823*E819		0.000498	$0.02
824	External Relations Expense	D824*E819		0.008170	$0.29
825	Legal Expense	D825*E819		0.005352	$0.19
826	Other Procurement Expense	D826*E819		0.002025	$0.07
827	Research & Development Expense	D827*E819		0.000031	$0.00
828	Other General and Admin Expense	D828*E819		0.015781	$0.57
829	***Common Costs***	Sum(E822:E828)			$1.35
830					
831	***TELRIC + Common Costs***	E819+E829			$37.25

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CFDA INCOMING ONLY			
Inward Costs			
NROC	39.60	$41.45	$27.36
Subtotal - Inward	**39.60**		**$27.36**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**39.60**		**$27.36**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
852	Direct Cost			$27.36
853				
854		Cost Calculation	Cost Factor	Cost
855				
856		B	C	D	E
857	***Marketing & Business Fees***				
858	Product Management Expense	D858*E852		0.034281	$0.94
859	Sales Expense	D859*E852		0.011333	$0.31
860	Product Advertising Expense	D860*E852		0.000000	$0.00
861	Business Fees (Other Operating Taxes)	D861*Sum(E852:E860)		0.001848	$0.05
862	***Total Marketing & Business Fees***	Sum(E858:E861)			$1.30
863					
864	***Sub-Total Direct Cost & Marketing***	E852+E862			$28.66
865					
866	***Other Direct Expenses***				
867	Network Operations	D867*E864		0.050289	$1.44
868	Network Support Assets	D868*E864		0.015375	$0.44
869	General Support Assets	D869*E864		0.080638	$2.31
870	General Purpose Computers	D870*E864		0.036437	$1.04
871	Uncollectible	D871*E864		0.001017	$0.03
872	Accounting & Finance Expense	D872*E864		0.007523	$0.22
873	Human Resources Expense	D873*E864		0.007263	$0.21
874	Information Management Expense	D874*E864		0.051570	$1.48
875	Intangibles	D875*E864		0.002516	$0.07
876	***Total Other Direct Expenses***	Sum(E867:E875)			$7.24
877					
878	***TELRIC***	E867+E876			$35.90
879					
880	***Common***				
881	Executive Expense	D881*E878		0.005786	$0.21
882	Planning Expense	D882*E878		0.000498	$0.02
883	External Relations Expense	D883*E878		0.008170	$0.29
884	Legal Expense	D884*E878		0.005352	$0.19
885	Other Procurement Expense	D885*E878		0.002025	$0.07
886	Research & Development Expense	D886*E878		0.000031	$0.00
887	Other General and Admin Expense	D887*E878		0.015781	$0.57
888	***Common Costs***	Sum(E881:E887)			$1.35
889					
890	***TELRIC + Common Costs***	E878+E888			$37.25

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Cost

CLASS - CONTINUOUS REDIAL, PER NUIMBER

Inward Costs

RCMAC	1.00	$43.81	$0.73
NROC	0.26	$41.45	$0.18
Subtotal - Inward	**1.26**		**$0.91**

Outward Costs

Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.26**		**$0.91**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
912	**Direct Cost**			$0.91
913				
914		Cost Calculation	Cost Factor	Cost
915				
916		B	C	D	E
917	***Marketing & Business Fees***			
918	Product Management Expense	D918*E912	0.034281	$0.03
919	Sales Expense	D919*E912	0.011333	$0.01
920	Product Advertising Expense	D920*E912	0.000000	$0.00
921	Business Fees (Other Operating Taxes)	D921*Sum(E912:E920)	0.001848	$0.00
922	***Total Marketing & Business Fees***	Sum(E918:E921)		$0.04
923				
924	***Sub-Total Direct Cost & Marketing***	E912+E922		$0.95
925				
926	***Other Direct Expenses***			
927	Network Operations	D927*E924	0.050289	$0.05
928	Network Support Assets	D928*E924	0.015375	$0.01
929	General Support Assets	D929*E924	0.080638	$0.08
930	General Purpose Computers	D930*E924	0.036437	$0.03
931	Uncollectible	D931*E924	0.001017	$0.00
932	Accounting & Finance Expense	D932*E924	0.007523	$0.01
933	Human Resources Expense	D933*E924	0.007263	$0.01
934	Information Management Expense	D934*E924	0.051570	$0.05
935	Intangibles	D935*E924	0.002516	$0.00
936	***Total Other Direct Expenses***	Sum(E927:E935)		$0.24
937				
938	***TELRIC***	E927+E936		$1.19
939				
940	***Common***			
941	Executive Expense	D941*E938	0.005786	$0.01
942	Planning Expense	D942*E938	0.000498	$0.00
943	External Relations Expense	D943*E938	0.008170	$0.01
944	Legal Expense	D944*E938	0.005352	$0.01
945	Other Procurement Expense	D945*E938	0.002025	$0.00
946	Research & Development Expense	D946*E938	0.000031	$0.00
947	Other General and Admin Expense	D947*E938	0.015781	$0.02
948	***Common Costs***	Sum(E941:E947)		$0.04
949				
950	***TELRIC + Common Costs***	E938+E948		$1.24

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CLASS - LAST CALL RETURN, PER NUMBER			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	0.27	$41.45	$0.19
Subtotal - Inward	**1.27**		**$0.92**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.27**		**$0.92**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Cost Group	Time In Minutes	Labor Rate Per Hour	Cost
972	Direct Cost			
973				
974				
975				
976				
977	***Marketing & Business Fees***			
978	Product Management Expense	D978*E972	0.034281	$0.03
979	Sales Expense	D979*E972	0.011333	$0.01
980	Product Advertising Expense	D980*E972	0.000000	$0.00
981	Business Fees (Other Operating Taxes)	D981*Sum(E972:E980)	0.001848	$0.00
982	***Total Marketing & Business Fees***	Sum(E978:E981)		$0.04
983				
984	***Sub-Total Direct Cost & Marketing***	E972+E982		$0.96
985				
986	***Other Direct Expenses***			
987	Network Operations	D987*E984	0.050289	$0.05
988	Network Support Assets	D988*E984	0.015375	$0.01
989	General Support Assets	D989*E984	0.080638	$0.08
990	General Purpose Computers	D990*E984	0.036437	$0.03
991	Uncollectible	D991*E984	0.001017	$0.00
992	Accounting & Finance Expense	D992*E984	0.007523	$0.01
993	Human Resources Expense	D993*E984	0.007263	$0.01
994	Information Management Expense	D994*E984	0.051570	$0.05
995	Intangibles	D995*E984	0.002516	$0.00
996	***Total Other Direct Expenses***	Sum(E987:E995)		$0.24
997				
998	***TELRIC***	E987+E996		$1.20
999				
1000	***Common***			
1001	Executive Expense	D1001*E998	0.005786	$0.01
1002	Planning Expense	D1002*E998	0.000498	$0.00
1003	External Relations Expense	D1003*E998	0.008170	$0.01
1004	Legal Expense	D1004*E998	0.005352	$0.01
1005	Other Procurement Expense	D1005*E998	0.002025	$0.00
1006	Research & Development Expense	D1006*E998	0.000031	$0.00
1007	Other General and Admin Expense	D1007*E998	0.015781	$0.02
1008	***Common Costs***	Sum(E1001:E1007)		$0.05
1009				
1010	***TELRIC + Common Costs***	E998+E1008		$1.25

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CLASS - PRIORITY CALLING, PER NUMBER			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	0.20	$41.45	$0.14
Subtotal - Inward	**1.20**		**$0.87**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.20**		**$0.87**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1032	Direct Cost			$0.87
1033				
1034		Cost Calculation	Cost Factor	Cost
1035				
1036		B	C	D	E
1037	***Marketing & Business Fees***				
1038	Product Management Expense	D1038*E1032		0.034281	$0.03
1039	Sales Expense	D1039*E1032		0.011333	$0.01
1040	Product Advertising Expense	D1040*E1032		0.000000	$0.00
1041	Business Fees (Other Operating Taxes)	D1041*Sum(E1032:E1040)		0.001848	$0.00
1042	***Total Marketing & Business Fees***	Sum(E1038:E1041)			$0.04
1043					
1044	***Sub-Total Direct Cost & Marketing***	E1032+E1042			$0.91
1045					
1046	***Other Direct Expenses***				
1047	Network Operations	D1047*E1044		0.050289	$0.05
1048	Network Support Assets	D1048*E1044		0.015375	$0.01
1049	General Support Assets	D1049*E1044		0.080638	$0.07
1050	General Purpose Computers	D1050*E1044		0.036437	$0.03
1051	Uncollectible	D1051*E1044		0.001017	$0.00
1052	Accounting & Finance Expense	D1052*E1044		0.007523	$0.01
1053	Human Resources Expense	D1053*E1044		0.007263	$0.01
1054	Information Management Expense	D1054*E1044		0.051570	$0.05
1055	Intangibles	D1055*E1044		0.002516	$0.00
1056	***Total Other Direct Expenses***	Sum(E1047:E1055)			$0.23
1057					
1058	***TELRIC***	E1047+E1056			$1.14
1059					
1060	***Common***				
1061	Executive Expense	D1061*E1058		0.005786	$0.01
1062	Planning Expense	D1062*E1058		0.000498	$0.00
1063	External Relations Expense	D1063*E1058		0.008170	$0.01
1064	Legal Expense	D1064*E1058		0.005352	$0.01
1065	Other Procurement Expense	D1065*E1058		0.002025	$0.00
1066	Research & Development Expense	D1066*E1058		0.000031	$0.00
1067	Other General and Admin Expense	D1067*E1058		0.015781	$0.02
1068	***Common Costs***	Sum(E1061:E1067)			$0.04
1069					
1070	***TELRIC + Common Costs***	E1058+E1068			$1.18

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	0.26	$41.45	$0.18
Subtotal - Inward	**1.26**		**$0.91**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.26**		**$0.91**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Cost Calculation	Cost Factor	Cost
1092	Direct Cost			
1093				
1094				
1095				
1096				
1097	***Marketing & Business Fees***			
1098	Product Management Expense	D1098*E1092	0.034281	$0.03
1099	Sales Expense	D1099*E1092	0.011333	$0.01
1100	Product Advertising Expense	D1100*E1092	0.000000	$0.00
1101	Business Fees (Other Operating Taxes)	D1101*Sum(E1092:E1100)	0.001848	$0.00
1102	***Total Marketing & Business Fees***	Sum(E1098:E1101)		$0.04
1103				
1104	***Sub-Total Direct Cost & Marketing***	E1092+E1102		$0.95
1105				
1106	***Other Direct Expenses***			
1107	Network Operations	D1107*E1104	0.050289	$0.05
1108	Network Support Assets	D1108*E1104	0.015375	$0.01
1109	General Support Assets	D1109*E1104	0.080638	$0.08
1110	General Purpose Computers	D1110*E1104	0.036437	$0.03
1111	Uncollectible	D1111*E1104	0.001017	$0.00
1112	Accounting & Finance Expense	D1112*E1104	0.007523	$0.01
1113	Human Resources Expense	D1113*E1104	0.007263	$0.01
1114	Information Management Expense	D1114*E1104	0.051570	$0.05
1115	Intangibles	D1115*E1104	0.002516	$0.00
1116	***Total Other Direct Expenses***	Sum(E1107:E1115)		$0.24
1117				
1118	***TELRIC***	E1107+E1116		$1.19
1119				
1120	***Common***			
1121	Executive Expense	D1121*E1118	0.005786	$0.01
1122	Planning Expense	D1122*E1118	0.000498	$0.00
1123	External Relations Expense	D1123*E1118	0.008170	$0.01
1124	Legal Expense	D1124*E1118	0.005352	$0.01
1125	Other Procurement Expense	D1125*E1118	0.002025	$0.00
1126	Research & Development Expense	D1126*E1118	0.000031	$0.00
1127	Other General and Admin Expense	D1127*E1118	0.015781	$0.02
1128	***Common Costs***	Sum(E1121:E1127)		$0.04
1129				
1130	***TELRIC + Common Costs***	E1118+E1128		$1.24

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs

CLASS - SELECTIVE CALL REJECTION, PER NUMBER

Inward Costs

RCMAC	1.00	$43.81	$0.73
NROC	0.20	$41.45	$0.14
Subtotal - Inward	**1.20**		**$0.87**

Outward Costs

Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.20**		**$0.87**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1152	Direct Cost [illegible]			$0.87
1153				
1154		Cost Calculation	Cost Factor	Cost
1155				
1156		B	C	D	E
1157	***Marketing & Business Fees***				
1158	Product Management Expense	D1158*E1152		0.034281	$0.03
1159	Sales Expense	D1159*E1152		0.011333	$0.01
1160	Product Advertising Expense	D1160*E1152		0.000000	$0.00
1161	Business Fees (Other Operating Taxes)	D1161*Sum(E1152:E1160)		0.001848	$0.00
1162	***Total Marketing & Business Fees***	Sum(E1158:E1161)			$0.04
1163					
1164	***Sub-Total Direct Cost & Marketing***	E1152+E1162			$0.91
1165					
1166	***Other Direct Expenses***				
1167	Network Operations	D1167*E1164		0.050289	$0.05
1168	Network Support Assets	D1168*E1164		0.015375	$0.01
1169	General Support Assets	D1169*E1164		0.080638	$0.07
1170	General Purpose Computers	D1170*E1164		0.036437	$0.03
1171	Uncollectible	D1171*E1164		0.001017	$0.00
1172	Accounting & Finance Expense	D1172*E1164		0.007523	$0.01
1173	Human Resources Expense	D1173*E1164		0.007263	$0.01
1174	Information Management Expense	D1174*E1164		0.051570	$0.05
1175	Intangibles	D1175*E1164		0.002516	$0.00
1176	***Total Other Direct Expenses***	Sum(E1167:E1175)			$0.23
1177					
1178	***TELRIC***	E1167+E1176			$1.14
1179					
1180	***Common***				
1181	Executive Expense	D1181*E1178		0.005786	$0.01
1182	Planning Expense	D1182*E1178		0.000498	$0.00
1183	External Relations Expense	D1183*E1178		0.008170	$0.01
1184	Legal Expense	D1184*E1178		0.005352	$0.01
1185	Other Procurement Expense	D1185*E1178		0.002025	$0.00
1186	Research & Development Expense	D1186*E1178		0.000031	$0.00
1187	Other General and Admin Expense	D1187*E1178		0.015781	$0.02
1188	***Common Costs***	Sum(E1181:E1187)			$0.04
1189					
1190	***TELRIC + Common Costs***	E1178+E1188			$1.18

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CONFERENCE CALLING - MEET ME - PER SYSTEM			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	43.30	$41.45	$29.91
Subtotal - Inward	**44.30**		**$30.64**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**44.30**		**$30.64**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Cost
1212	Direct Cost			$30.64
1213				
1214		Cost Calculation	Cost Factor	Cost
1215				
1216		C	D	E
1217	***Marketing & Business Fees***			
1218	Product Management Expense	D1218*E1212	0.034281	$1.05
1219	Sales Expense	D1219*E1212	0.011333	$0.35
1220	Product Advertising Expense	D1220*E1212	0.000000	$0.00
1221	Business Fees (Other Operating Taxes)	D1221*Sum(E1212:E1220)	0.001848	$0.06
1222	***Total Marketing & Business Fees***	Sum(E1218:E1221)		$1.46
1223				
1224	***Sub-Total Direct Cost & Marketing***	E1212+E1222		$32.10
1225				
1226	***Other Direct Expenses***			
1227	Network Operations	D1227*E1224	0.050289	$1.61
1228	Network Support Assets	D1228*E1224	0.015375	$0.49
1229	General Support Assets	D1229*E1224	0.080638	$2.59
1230	General Purpose Computers	D1230*E1224	0.036437	$1.17
1231	Uncollectible	D1231*E1224	0.001017	$0.03
1232	Accounting & Finance Expense	D1232*E1224	0.007523	$0.24
1233	Human Resources Expense	D1233*E1224	0.007263	$0.23
1234	Information Management Expense	D1234*E1224	0.051570	$1.66
1235	Intangibles	D1235*E1224	0.002516	$0.08
1236	***Total Other Direct Expenses***	Sum(E1227:E1235)		$8.11
1237				
1238	***TELRIC***	E1227+E1236		$40.21
1239				
1240	***Common***			
1241	Executive Expense	D1241*E1238	0.005786	$0.23
1242	Planning Expense	D1242*E1238	0.000498	$0.02
1243	External Relations Expense	D1243*E1238	0.008170	$0.33
1244	Legal Expense	D1244*E1238	0.005352	$0.22
1245	Other Procurement Expense	D1245*E1238	0.002025	$0.08
1246	Research & Development Expense	D1246*E1238	0.000031	$0.00
1247	Other General and Admin Expense	D1247*E1238	0.015781	$0.63
1248	***Common Costs***	Sum(E1241:E1247)		$1.51
1249				
1250	***TELRIC + Common Costs***	E1238+E1248		$41.72

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CONFERENCE CALLING - PRESET - PER SYSTEM			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	43.30	$41.45	$29.91
Subtotal - Inward	**44.30**		**$30.64**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**44.30**		**$30.64**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1272	Direct Cost			$30.64

		Cost Calculation	Cost Factor	Cost
		B	D	E
1273				
1274				
1275				
1276				
1277	***Marketing & Business Fees***			
1278	Product Management Expense	D1278*E1272	0.034281	$1.05
1279	Sales Expense	D1279*E1272	0.011333	$0.35
1280	Product Advertising Expense	D1280*E1272	0.000000	$0.00
1281	Business Fees (Other Operating Taxes)	D1281*Sum(E1272:E1280)	0.001848	$0.06
1282	***Total Marketing & Business Fees***	Sum(E1278:E1281)		$1.46
1283				
1284	***Sub-Total Direct Cost & Marketing***	E1272+E1282		$32.10
1285				
1286	***Other Direct Expenses***			
1287	Network Operations	D1287*E1284	0.050289	$1.61
1288	Network Support Assets	D1288*E1284	0.015375	$0.49
1289	General Support Assets	D1289*E1284	0.080638	$2.59
1290	General Purpose Computers	D1290*E1284	0.036437	$1.17
1291	Uncollectible	D1291*E1284	0.001017	$0.03
1292	Accounting & Finance Expense	D1292*E1284	0.007523	$0.24
1293	Human Resources Expense	D1293*E1284	0.007263	$0.23
1294	Information Management Expense	D1294*E1284	0.051570	$1.66
1295	Intangibles	D1295*E1284	0.002516	$0.08
1296	***Total Other Direct Expenses***	Sum(E1287:E1295)		$8.11
1297				
1298	***TELRIC***	E1287+E1296		$40.21
1299				
1300	***Common***			
1301	Executive Expense	D1301*E1298	0.005786	$0.23
1302	Planning Expense	D1302*E1298	0.000498	$0.02
1303	External Relations Expense	D1303*E1298	0.008170	$0.33
1304	Legal Expense	D1304*E1298	0.005352	$0.22
1305	Other Procurement Expense	D1305*E1298	0.002025	$0.08
1306	Research & Development Expense	D1306*E1298	0.000031	$0.00
1307	Other General and Admin Expense	D1307*E1298	0.015781	$0.63
1308	***Common Costs***	Sum(E1301:E1307)		$1.51
1309				
1310	***TELRIC + Common Costs***	E1298+E1308		$41.72

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DIR STA SEL/BUSY LAMP FLD, per arrangement			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time in Minutes	Labor Rate Per Hour	Costs
1331	Direct Cost			$0.25
1332				
1333		Cost Calculation	Cost Factor	Cost
1334				
1335		B	D	E
1336	***Marketing & Business Fees***			
1337	Product Management Expense	D1337*E1331	0.034281	$0.01
1338	Sales Expense	D1338*E1331	0.011333	$0.00
1339	Product Advertising Expense	D1339*E1331	0.000000	$0.00
1340	Business Fees (Other Operating Taxes)	D1340*Sum(E1331:E1339)	0.001848	$0.00
1341	***Total Marketing & Business Fees***	Sum(E1337:E1340)		$0.01
1342				
1343	***Sub-Total Direct Cost & Marketing***	E1331+E1341		$0.26
1344				
1345	***Other Direct Expenses***			
1346	Network Operations	D1346*E1343	0.050289	$0.01
1347	Network Support Assets	D1347*E1343	0.015375	$0.00
1348	General Support Assets	D1348*E1343	0.080638	$0.02
1349	General Purpose Computers	D1349*E1343	0.036437	$0.01
1350	Uncollectible	D1350*E1343	0.001017	$0.00
1351	Accounting & Finance Expense	D1351*E1343	0.007523	$0.00
1352	Human Resources Expense	D1352*E1343	0.007263	$0.00
1353	Information Management Expense	D1353*E1343	0.051570	$0.01
1354	Intangibles	D1354*E1343	0.002516	$0.00
1355	***Total Other Direct Expenses***	Sum(E1346:E1354)		$0.07
1356				
1357	***TELRIC***	E1346+E1355		$0.33
1358				
1359	***Common***			
1360	Executive Expense	D1360*E1357	0.005786	$0.00
1361	Planning Expense	D1361*E1357	0.000498	$0.00
1362	External Relations Expense	D1362*E1357	0.008170	$0.00
1363	Legal Expense	D1363*E1357	0.005352	$0.00
1364	Other Procurement Expense	D1364*E1357	0.002025	$0.00
1365	Research & Development Expense	D1365*E1357	0.000031	$0.00
1366	Other General and Admin Expense	D1366*E1357	0.015781	$0.01
1367	***Common Costs***	Sum(E1360:E1366)		$0.01
1368				
1369	***TELRIC + Common Costs***	E1357+E1367		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DIRECTED CALL PICK UP BARGE-IN			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
COMPLEX TRANSLATIONS	20.00	$41.45	$13.82
Subtotal - Inward	**21.00**		**$14.55**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**21.00**		**$14.55**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1391	Direct Costs			$14.55

		Cost Calculation B	Cost Factor D	Cost E
1392				
1393				
1394				
1395				
1396	***Marketing & Business Fees***			
1397	Product Management Expense	D1397*E1391	0.034281	$0.50
1398	Sales Expense	D1398*E1391	0.011333	$0.16
1399	Product Advertising Expense	D1399*E1391	0.000000	$0.00
1400	Business Fees (Other Operating Taxes)	D1400*Sum(E1391:E1399)	0.001848	$0.03
1401	***Total Marketing & Business Fees***	Sum(E1397:E1400)		$0.69
1402				
1403	***Sub-Total Direct Cost & Marketing***	E1391+E1401		$15.24
1404				
1405	***Other Direct Expenses***			
1406	Network Operations	D1406*E1403	0.050289	$0.77
1407	Network Support Assets	D1407*E1403	0.015375	$0.23
1408	General Support Assets	D1408*E1403	0.080638	$1.23
1409	General Purpose Computers	D1409*E1403	0.036437	$0.56
1410	Uncollectible	D1410*E1403	0.001017	$0.02
1411	Accounting & Finance Expense	D1411*E1403	0.007523	$0.11
1412	Human Resources Expense	D1412*E1403	0.007263	$0.11
1413	Information Management Expense	D1413*E1403	0.051570	$0.79
1414	Intangibles	D1414*E1403	0.002516	$0.04
1415	***Total Other Direct Expenses***	Sum(E1406:E1414)		$3.85
1416				
1417	***TELRIC***	E1406+E1415		$19.09
1418				
1419	***Common***			
1420	Executive Expense	D1420*E1417	0.005786	$0.11
1421	Planning Expense	D1421*E1417	0.000498	$0.01
1422	External Relations Expense	D1422*E1417	0.008170	$0.16
1423	Legal Expense	D1423*E1417	0.005352	$0.10
1424	Other Procurement Expense	D1424*E1417	0.002025	$0.04
1425	Research & Development Expense	D1425*E1417	0.000031	$0.00
1426	Other General and Admin Expense	D1426*E1417	0.015781	$0.30
1427	***Common Costs***	Sum(E1420:E1426)		$0.72
1428				
1429	***TELRIC + Common Costs***	E1417+E1427		$19.81

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time in Minutes	Labor Rate Per Hour	Costs
DIRECTED CALL PICKUP WITHOUT BARGE-IN			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	20.00	$41.45	$13.82
Subtotal - Inward	**21.00**		**$14.55**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**21.00**		**$14.55**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Months	Labor Rate Per Month	Cost
1451	Direct Cost			$14.55

		Cost Calculation	Cost Factor	Cost
		B	D	E
1452				
1453				
1454				
1455				
1456	***Marketing & Business Fees***			
1457	Product Management Expense	D1457*E1451	0.034281	$0.50
1458	Sales Expense	D1458*E1451	0.011333	$0.16
1459	Product Advertising Expense	D1459*E1451	0.000000	$0.00
1460	Business Fees (Other Operating Taxes)	D1460*Sum(E1451:E1459)	0.001848	$0.03
1461	***Total Marketing & Business Fees***	Sum(E1457:E1460)		$0.69
1462				
1463	***Sub-Total Direct Cost & Marketing***	E1451+E1461		$15.24
1464				
1465	***Other Direct Expenses***			
1466	Network Operations	D1466*E1463	0.050289	$0.77
1467	Network Support Assets	D1467*E1463	0.015375	$0.23
1468	General Support Assets	D1468*E1463	0.080638	$1.23
1469	General Purpose Computers	D1469*E1463	0.036437	$0.56
1470	Uncollectible	D1470*E1463	0.001017	$0.02
1471	Accounting & Finance Expense	D1471*E1463	0.007523	$0.11
1472	Human Resources Expense	D1472*E1463	0.007263	$0.11
1473	Information Management Expense	D1473*E1463	0.051570	$0.79
1474	Intangibles	D1474*E1463	0.002516	$0.04
1475	***Total Other Direct Expenses***	Sum(E1466:E1474)		$3.85
1476				
1477	***TELRIC***	E1466+E1475		$19.09
1478				
1479	***Common***			
1480	Executive Expense	D1480*E1477	0.005786	$0.11
1481	Planning Expense	D1481*E1477	0.000498	$0.01
1482	External Relations Expense	D1482*E1477	0.008170	$0.16
1483	Legal Expense	D1483*E1477	0.005352	$0.10
1484	Other Procurement Expense	D1484*E1477	0.002025	$0.04
1485	Research & Development Expense	D1485*E1477	0.000031	$0.00
1486	Other General and Admin Expense	D1486*E1477	0.015781	$0.30
1487	***Common Costs***	Sum(E1480:E1486)		$0.72
1488				
1489	***TELRIC + Common Costs***	E1477+E1487		$19.81

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DISTINCTIVE RING/DISTINCTIVE CALL WAITING			
Inward Costs			
NROC	42.10	$41.45	$29.08
Subtotal - Inward	**42.10**		**$29.08**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**42.10**		**$29.08**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1510	Direct Cost			$29.08
1511				
1512		Cost Calculation	Cost Factor	Cost
1513				
1514		B	C D	E
1515	***Marketing & Business Fees***			
1516	Product Management Expense	D1516*E1510	0.034281	$1.00
1517	Sales Expense	D1517*E1510	0.011333	$0.33
1518	Product Advertising Expense	D1518*E1510	0.000000	$0.00
1519	Business Fees (Other Operating Taxes)	D1519*Sum(E1510:E1518)	0.001848	$0.06
1520	***Total Marketing & Business Fees***	Sum(E1516:E1519)		$1.38
1521				
1522	***Sub-Total Direct Cost & Marketing***	E1510+E1520		$30.47
1523				
1524	***Other Direct Expenses***			
1525	Network Operations	D1525*E1522	0.050289	$1.53
1526	Network Support Assets	D1526*E1522	0.015375	$0.47
1527	General Support Assets	D1527*E1522	0.080638	$2.46
1528	General Purpose Computers	D1528*E1522	0.036437	$1.11
1529	Uncollectible	D1529*E1522	0.001017	$0.03
1530	Accounting & Finance Expense	D1530*E1522	0.007523	$0.23
1531	Human Resources Expense	D1531*E1522	0.007263	$0.22
1532	Information Management Expense	D1532*E1522	0.051570	$1.57
1533	Intangibles	D1533*E1522	0.002516	$0.08
1534	***Total Other Direct Expenses***	Sum(E1525:E1533)		$7.70
1535				
1536	***TELRIC***	E1525+E1534		$38.16
1537				
1538	***Common***			
1539	Executive Expense	D1539*E1536	0.005786	$0.22
1540	Planning Expense	D1540*E1536	0.000498	$0.02
1541	External Relations Expense	D1541*E1536	0.008170	$0.31
1542	Legal Expense	D1542*E1536	0.005352	$0.20
1543	Other Procurement Expense	D1543*E1536	0.002025	$0.08
1544	Research & Development Expense	D1544*E1536	0.000031	$0.00
1545	Other General and Admin Expense	D1545*E1536	0.015781	$0.60
1546	***Common Costs***	Sum(E1539:E1545)		$1.44
1547				
1548	***TELRIC + Common Costs***	E1536+E1546		$39.60

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM			
Inward Costs			
NROC	75.10	$41.45	$51.88
Subtotal - Inward	**75.10**		**$51.88**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**75.10**		**$51.88**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1569	Direct Cost			$51.88
1570				
1571		Cost Calculation	Cost Factor	Cost
1572		B	D	E
1573				
1574	***Marketing & Business Fees***			
1575	Product Management Expense	D1575*E1569	0.034281	$1.78
1576	Sales Expense	D1576*E1569	0.011333	$0.59
1577	Product Advertising Expense	D1577*E1569	0.000000	$0.00
1578	Business Fees (Other Operating Taxes)	D1578*Sum(E1569:E1577)	0.001848	$0.10
1579	***Total Marketing & Business Fees***	Sum(E1575:E1578)		$2.47
1580				
1581	***Sub-Total Direct Cost & Marketing***	E1569+E1579		$54.35
1582				
1583	***Other Direct Expenses***			
1584	Network Operations	D1584*E1581	0.050289	$2.73
1585	Network Support Assets	D1585*E1581	0.015375	$0.84
1586	General Support Assets	D1586*E1581	0.080638	$4.38
1587	General Purpose Computers	D1587*E1581	0.036437	$1.98
1588	Uncollectible	D1588*E1581	0.001017	$0.06
1589	Accounting & Finance Expense	D1589*E1581	0.007523	$0.41
1590	Human Resources Expense	D1590*E1581	0.007263	$0.39
1591	Information Management Expense	D1591*E1581	0.051570	$2.80
1592	Intangibles	D1592*E1581	0.002516	$0.14
1593	***Total Other Direct Expenses***	Sum(E1584:E1592)		$13.73
1594				
1595	***TELRIC***	E1584+E1593		$68.08
1596				
1597	***Common***			
1598	Executive Expense	D1598*E1595	0.005786	$0.39
1599	Planning Expense	D1599*E1595	0.000498	$0.03
1600	External Relations Expense	D1600*E1595	0.008170	$0.56
1601	Legal Expense	D1601*E1595	0.005352	$0.36
1602	Other Procurement Expense	D1602*E1595	0.002025	$0.14
1603	Research & Development Expense	D1603*E1595	0.000031	$0.00
1604	Other General and Admin Expense	D1604*E1595	0.015781	$1.07
1605	***Common Costs***	Sum(E1598:E1604)		$2.56
1606				
1607	***TELRIC + Common Costs***	E1595+E1605		$70.64

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs

FACILITY RESTRICTION LEVEL - PER SYSTEM

Inward Costs

NROC	46.20	$41.45	$31.92
Subtotal - Inward	**46.20**		**$31.92**

Outward Costs

Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**46.20**		**$31.92**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1628	Direct Cost:			$31.92
1629				
1630		Cost Calculation	Cost Factor	Cost
1631				
1632		B	C	D	E
1633	***Marketing & Business Fees***				
1634	Product Management Expense	D1634*E1628		0.034281	$1.09
1635	Sales Expense	D1635*E1628		0.011333	$0.36
1636	Product Advertising Expense	D1636*E1628		0.000000	$0.00
1637	Business Fees (Other Operating Taxes)	D1637*Sum(E1628:E1636)		0.001848	$0.06
1638	***Total Marketing & Business Fees***	Sum(E1634:E1637)			$1.52
1639					
1640	***Sub-Total Direct Cost & Marketing***	E1628+E1638			$33.43
1641					
1642	***Other Direct Expenses***				
1643	Network Operations	D1643*E1640		0.050289	$1.68
1644	Network Support Assets	D1644*E1640		0.015375	$0.51
1645	General Support Assets	D1645*E1640		0.080638	$2.70
1646	General Purpose Computers	D1646*E1640		0.036437	$1.22
1647	Uncollectible	D1647*E1640		0.001017	$0.03
1648	Accounting & Finance Expense	D1648*E1640		0.007523	$0.25
1649	Human Resources Expense	D1649*E1640		0.007263	$0.24
1650	Information Management Expense	D1650*E1640		0.051570	$1.72
1651	Intangibles	D1651*E1640		0.002516	$0.08
1652	***Total Other Direct Expenses***	Sum(E1643:E1651)			$8.45
1653					
1654	***TELRIC***	E1643+E1652			$41.88
1655					
1656	***Common***				
1657	Executive Expense	D1657*E1654		0.005786	$0.24
1658	Planning Expense	D1658*E1654		0.000498	$0.02
1659	External Relations Expense	D1659*E1654		0.008170	$0.34
1660	Legal Expense	D1660*E1654		0.005352	$0.22
1661	Other Procurement Expense	D1661*E1654		0.002025	$0.08
1662	Research & Development Expense	D1662*E1654		0.000031	$0.00
1663	Other General and Admin Expense	D1663*E1654		0.015781	$0.66
1664	***Common Costs***	Sum(E1657:E1663)			$1.58
1665					
1666	***TELRIC + Common Costs***	E1654+E1664			$43.46

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
GROUP INTERCOM - PER LINE			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	0.12	$41.45	$0.08
Subtotal - Inward	**0.46**		**$0.33**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.46**		**$0.33**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Months	Labor Rate Percent	Costs
1688	**Direct Cost**			$0.33
1689				
1690				
1691				
1692				

		Cost Calculation	Cost Factor	Cost
1693	***Marketing & Business Fees***			
1694	Product Management Expense	D1694*E1688	0.034281	$0.01
1695	Sales Expense	D1695*E1688	0.011333	$0.00
1696	Product Advertising Expense	D1696*E1688	0.000000	$0.00
1697	Business Fees (Other Operating Taxes)	D1697*Sum(E1688:E1696)	0.001848	$0.00
1698	***Total Marketing & Business Fees***	Sum(E1694:E1697)		$0.02
1699				
1700	***Sub-Total Direct Cost & Marketing***	E1688+E1698		$0.34
1701				
1702	***Other Direct Expenses***			
1703	Network Operations	D1703*E1700	0.050289	$0.02
1704	Network Support Assets	D1704*E1700	0.015375	$0.01
1705	General Support Assets	D1705*E1700	0.080638	$0.03
1706	General Purpose Computers	D1706*E1700	0.036437	$0.01
1707	Uncollectible	D1707*E1700	0.001017	$0.00
1708	Accounting & Finance Expense	D1708*E1700	0.007523	$0.00
1709	Human Resources Expense	D1709*E1700	0.007263	$0.00
1710	Information Management Expense	D1710*E1700	0.051570	$0.02
1711	Intangibles	D1711*E1700	0.002516	$0.00
1712	***Total Other Direct Expenses***	Sum(E1703:E1711)		$0.09
1713				
1714	***TELRIC***	E1703+E1712		$0.43
1715				
1716	***Common***			
1717	Executive Expense	D1717*E1714	0.005786	$0.00
1718	Planning Expense	D1718*E1714	0.000498	$0.00
1719	External Relations Expense	D1719*E1714	0.008170	$0.00
1720	Legal Expense	D1720*E1714	0.005352	$0.00
1721	Other Procurement Expense	D1721*E1714	0.002025	$0.00
1722	Research & Development Expense	D1722*E1714	0.000031	$0.00
1723	Other General and Admin Expense	D1723*E1714	0.015781	$0.01
1724	***Common Costs***	Sum(E1717:E1723)		$0.02
1725				
1726	***TELRIC + Common Costs***	E1714+E1724		$0.45

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
HOT LINE - per line equipped, per line			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
Subtotal - Inward	**1.00**		**$0.73**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.00**		**$0.73**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Hours In Minutes	Labor Rate Per Hour	Cost

		Cost Calculation	Factor	Cost
1747	Direct Cost			Issue
1748				
1749				
1750				
1751				
1752	***Marketing & Business Fees***			
1753	Product Management Expense	D1753*E1747	0.034281	$0.03
1754	Sales Expense	D1754*E1747	0.011333	$0.01
1755	Product Advertising Expense	D1755*E1747	0.000000	$0.00
1756	Business Fees (Other Operating Taxes)	D1756*Sum(E1747:E1755)	0.001848	$0.00
1757	***Total Marketing & Business Fees***	Sum(E1753:E1756)		$0.03
1758				
1759	***Sub-Total Direct Cost & Marketing***	E1747+E1757		$0.76
1760				
1761	***Other Direct Expenses***			
1762	Network Operations	D1762*E1759	0.050289	$0.04
1763	Network Support Assets	D1763*E1759	0.015375	$0.01
1764	General Support Assets	D1764*E1759	0.080638	$0.06
1765	General Purpose Computers	D1765*E1759	0.036437	$0.03
1766	Uncollectible	D1766*E1759	0.001017	$0.00
1767	Accounting & Finance Expense	D1767*E1759	0.007523	$0.01
1768	Human Resources Expense	D1768*E1759	0.007263	$0.01
1769	Information Management Expense	D1769*E1759	0.051570	$0.04
1770	Intangibles	D1770*E1759	0.002516	$0.00
1771	***Total Other Direct Expenses***	Sum(E1762:E1770)		$0.19
1772				
1773	***TELRIC***	E1762+E1771		$0.96
1774				
1775	***Common***			
1776	Executive Expense	D1776*E1773	0.005786	$0.01
1777	Planning Expense	D1777*E1773	0.000498	$0.00
1778	External Relations Expense	D1778*E1773	0.008170	$0.01
1779	Legal Expense	D1779*E1773	0.005352	$0.01
1780	Other Procurement Expense	D1780*E1773	0.002025	$0.00
1781	Research & Development Expense	D1781*E1773	0.000031	$0.00
1782	Other General and Admin Expense	D1782*E1773	0.015781	$0.02
1783	***Common Costs***	Sum(E1776:E1782)		$0.04
1784				
1785	***TELRIC + Common Costs***	E1773+E1783		$0.99

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time (Minutes)	Labor Rate (Per Hour)	Costs

HUNTING - MULTIPOSITION HUNT QUEUING - per group

Inward Costs			
RCMAC	0.66	$43.81	$0.48
NROC	39.60	$41.45	$27.36
Subtotal - Inward	**40.26**		**$27.84**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**40.26**		**$27.84**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1807	Direct Costs			$27.84

		Cost Calculation	Cost Factor	Cost
		B	D	E
1808				
1809				
1810				
1811				
1812	***Marketing & Business Fees***			
1813	Product Management Expense	D1813*E1807	0.034281	$0.95
1814	Sales Expense	D1814*E1807	0.011333	$0.32
1815	Product Advertising Expense	D1815*E1807	0.000000	$0.00
1816	Business Fees (Other Operating Taxes)	D1816*Sum(E1807:E1815)	0.001848	$0.05
1817	***Total Marketing & Business Fees***	Sum(E1813:E1816)		$1.32
1818				
1819	***Sub-Total Direct Cost & Marketing***	E1807+E1817		$29.16
1820				
1821	***Other Direct Expenses***			
1822	Network Operations	D1822*E1819	0.050289	$1.47
1823	Network Support Assets	D1823*E1819	0.015375	$0.45
1824	General Support Assets	D1824*E1819	0.080638	$2.35
1825	General Purpose Computers	D1825*E1819	0.036437	$1.06
1826	Uncollectible	D1826*E1819	0.001017	$0.03
1827	Accounting & Finance Expense	D1827*E1819	0.007523	$0.22
1828	Human Resources Expense	D1828*E1819	0.007263	$0.21
1829	Information Management Expense	D1829*E1819	0.051570	$1.50
1830	Intangibles	D1830*E1819	0.002516	$0.07
1831	***Total Other Direct Expenses***	Sum(E1822:E1830)		$7.37
1832				
1833	***TELRIC***	E1822+E1831		$36.53
1834				
1835	***Common***			
1836	Executive Expense	D1836*E1833	0.005786	$0.21
1837	Planning Expense	D1837*E1833	0.000498	$0.02
1838	External Relations Expense	D1838*E1833	0.008170	$0.30
1839	Legal Expense	D1839*E1833	0.005352	$0.20
1840	Other Procurement Expense	D1840*E1833	0.002025	$0.07
1841	Research & Development Expense	D1841*E1833	0.000031	$0.00
1842	Other General and Admin Expense	D1842*E1833	0.015781	$0.58
1843	***Common Costs***	Sum(E1836:E1842)		$1.38
1844				
1845	***TELRIC + Common Costs***	E1833+E1843		$37.90

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
NROC	39.60	$41.45	$27.36
Subtotal - Inward	**40.26**		**$27.84**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**40.26**		**$27.84**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1867	Direct Cost			$27.84
1868				
1869		Cost Calculation	Cost Factor	Cost
1870				
1871		B	C	D	E
1872	***Marketing & Business Fees***				
1873	Product Management Expense	D1873*E1867		0.034281	$0.95
1874	Sales Expense	D1874*E1867		0.011333	$0.32
1875	Product Advertising Expense	D1875*E1867		0.000000	$0.00
1876	Business Fees (Other Operating Taxes)	D1876*Sum(E1867:E1875)		0.001848	$0.05
1877	***Total Marketing & Business Fees***	Sum(E1873:E1876)			$1.32
1878					
1879	***Sub-Total Direct Cost & Marketing***	E1867+E1877			$29.16
1880					
1881	***Other Direct Expenses***				
1882	Network Operations	D1882*E1879		0.050289	$1.47
1883	Network Support Assets	D1883*E1879		0.015375	$0.45
1884	General Support Assets	D1884*E1879		0.080638	$2.35
1885	General Purpose Computers	D1885*E1879		0.036437	$1.06
1886	Uncollectible	D1886*E1879		0.001017	$0.03
1887	Accounting & Finance Expense	D1887*E1879		0.007523	$0.22
1888	Human Resources Expense	D1888*E1879		0.007263	$0.21
1889	Information Management Expense	D1889*E1879		0.051570	$1.50
1890	Intangibles	D1890*E1879		0.002516	$0.07
1891	***Total Other Direct Expenses***	Sum(E1882:E1890)			$7.37
1892					
1893	***TELRIC***	E1882+E1891			$36.53
1894					
1895	***Common***				
1896	Executive Expense	D1896*E1893		0.005786	$0.21
1897	Planning Expense	D1897*E1893		0.000498	$0.02
1898	External Relations Expense	D1898*E1893		0.008170	$0.30
1899	Legal Expense	D1899*E1893		0.005352	$0.20
1900	Other Procurement Expense	D1900*E1893		0.002025	$0.07
1901	Research & Development Expense	D1901*E1893		0.000031	$0.00
1902	Other General and Admin Expense	D1902*E1893		0.015781	$0.58
1903	***Common Costs***	Sum(E1896:E1902)			$1.38
1904					
1905	***TELRIC + Common Costs***	E1893+E1903			$37.90

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
NROC	39.60	$43.81	$28.91
Subtotal - Inward	**40.26**		**$29.40**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**40.26**		**$29.40**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1927	Direct Cost			$29.40
1928				
1929		Cost Calculation	Cost Factor	Cost
1930				
1931		B	C	D	E
1932	***Marketing & Business Fees***			
1933	Product Management Expense	D1933*E1927	0.034281	$1.01
1934	Sales Expense	D1934*E1927	0.011333	$0.33
1935	Product Advertising Expense	D1935*E1927	0.000000	$0.00
1936	Business Fees (Other Operating Taxes)	D1936*Sum(E1927:E1935)	0.001848	$0.06
1937	***Total Marketing & Business Fees***	Sum(E1933:E1936)		$1.40
1938				
1939	***Sub-Total Direct Cost & Marketing***	E1927+E1937		$30.79
1940				
1941	***Other Direct Expenses***			
1942	Network Operations	D1942*E1939	0.050289	$1.55
1943	Network Support Assets	D1943*E1939	0.015375	$0.47
1944	General Support Assets	D1944*E1939	0.080638	$2.48
1945	General Purpose Computers	D1945*E1939	0.036437	$1.12
1946	Uncollectible	D1946*E1939	0.001017	$0.03
1947	Accounting & Finance Expense	D1947*E1939	0.007523	$0.23
1948	Human Resources Expense	D1948*E1939	0.007263	$0.22
1949	Information Management Expense	D1949*E1939	0.051570	$1.59
1950	Intangibles	D1950*E1939	0.002516	$0.08
1951	***Total Other Direct Expenses***	Sum(E1942:E1950)		$7.78
1952				
1953	***TELRIC***	E1942+E1951		$38.57
1954				
1955	***Common***			
1956	Executive Expense	D1956*E1953	0.005786	$0.22
1957	Planning Expense	D1957*E1953	0.000498	$0.02
1958	External Relations Expense	D1958*E1953	0.008170	$0.32
1959	Legal Expense	D1959*E1953	0.005352	$0.21
1960	Other Procurement Expense	D1960*E1953	0.002025	$0.08
1961	Research & Development Expense	D1961*E1953	0.000031	$0.00
1962	Other General and Admin Expense	D1962*E1953	0.015781	$0.61
1963	***Common Costs***	Sum(E1956:E1962)		$1.45
1964				
1965	***TELRIC + Common Costs***	E1953+E1963		$40.03

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
ISDN SHORT HUNT			
Inward Costs			
RCMAC	1.68	$43.81	$1.23
Subtotal - Inward	**1.68**		**$1.23**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**1.68**		**$1.23**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
1986	Direct Cost			$1.23
1987				
1988		Cost Calculation	Cost Factor	Cost
1989				
1990		B	C	D	E
1991	***Marketing & Business Fees***				
1992	Product Management Expense	D1992*E1986		0.034281	$0.04
1993	Sales Expense	D1993*E1986		0.011333	$0.01
1994	Product Advertising Expense	D1994*E1986		0.000000	$0.00
1995	Business Fees (Other Operating Taxes)	D1995*Sum(E1986:E1994)		0.001848	$0.00
1996	***Total Marketing & Business Fees***	Sum(E1992:E1995)			$0.06
1997					
1998	***Sub-Total Direct Cost & Marketing***	E1986+E1996			$1.29
1999					
2000	***Other Direct Expenses***				
2001	Network Operations	D2001*E1998		0.050289	$0.06
2002	Network Support Assets	D2002*E1998		0.015375	$0.02
2003	General Support Assets	D2003*E1998		0.080638	$0.10
2004	General Purpose Computers	D2004*E1998		0.036437	$0.05
2005	Uncollectible	D2005*E1998		0.001017	$0.00
2006	Accounting & Finance Expense	D2006*E1998		0.007523	$0.01
2007	Human Resources Expense	D2007*E1998		0.007263	$0.01
2008	Information Management Expense	D2008*E1998		0.051570	$0.07
2009	Intangibles	D2009*E1998		0.002516	$0.00
2010	***Total Other Direct Expenses***	Sum(E2001:E2009)			$0.32
2011					
2012	***TELRIC***	E2001+E2010			$1.61
2013					
2014	***Common***				
2015	Executive Expense	D2015*E2012		0.005786	$0.01
2016	Planning Expense	D2016*E2012		0.000498	$0.00
2017	External Relations Expense	D2017*E2012		0.008170	$0.01
2018	Legal Expense	D2018*E2012		0.005352	$0.01
2019	Other Procurement Expense	D2019*E2012		0.002025	$0.00
2020	Research & Development Expense	D2020*E2012		0.000031	$0.00
2021	Other General and Admin Expense	D2021*E2012		0.015781	$0.03
2022	***Common Costs***	Sum(E2015:E2021)			$0.06
2023					
2024	***TELRIC + Common Costs***	E2012+E2022			$1.67

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
LOUDSPEAKER PAGING TRUNK SIDE, per group			
Inward Costs			
RCMAC	1.00	$43.81	$0.73
NROC	183.30	$41.45	$126.63
Subtotal - Inward	**184.30**		**$127.36**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**184.30**		**$127.36**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2046	Direct Cost			[illegible]
2047				
2048		Cost		Cost
2049		Calculation		Factor	Cost
2050		B	C	D	E
2051	***Marketing & Business Fees***				
2052	Product Management Expense	D2052*E2046		0.034281	$4.37
2053	Sales Expense	D2053*E2046		0.011333	$1.44
2054	Product Advertising Expense	D2054*E2046		0.000000	$0.00
2055	Business Fees (Other Operating Taxes)	D2055*Sum(E2046:E2054)		0.001848	$0.25
2056	***Total Marketing & Business Fees***	Sum(E2052:E2055)			$6.06
2057					
2058	***Sub-Total Direct Cost & Marketing***	E2046+E2056			$133.42
2059					
2060	***Other Direct Expenses***				
2061	Network Operations	D2061*E2058		0.050289	$6.71
2062	Network Support Assets	D2062*E2058		0.015375	$2.05
2063	General Support Assets	D2063*E2058		0.080638	$10.76
2064	General Purpose Computers	D2064*E2058		0.036437	$4.86
2065	Uncollectible	D2065*E2058		0.001017	$0.14
2066	Accounting & Finance Expense	D2066*E2058		0.007523	$1.00
2067	Human Resources Expense	D2067*E2058		0.007263	$0.97
2068	Information Management Expense	D2068*E2058		0.051570	$6.88
2069	Intangibles	D2069*E2058		0.002516	$0.34
2070	***Total Other Direct Expenses***	Sum(E2061:E2069)			$33.70
2071					
2072	***TELRIC***	E2061+E2070			$167.12
2073					
2074	***Common***				
2075	Executive Expense	D2075*E2072		0.005786	$0.97
2076	Planning Expense	D2076*E2072		0.000498	$0.08
2077	External Relations Expense	D2077*E2072		0.008170	$1.37
2078	Legal Expense	D2078*E2072		0.005352	$0.89
2079	Other Procurement Expense	D2079*E2072		0.002025	$0.34
2080	Research & Development Expense	D2080*E2072		0.000031	$0.01
2081	Other General and Admin Expense	D2081*E2072		0.015781	$2.64
2082	***Common Costs***	Sum(E2075:E2081)			$6.29
2083					
2084	***TELRIC + Common Costs***	E2072+E2082			$173.41

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
MAKE BUSY ARRANGEMENTS, per group			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
Subtotal - Inward	**0.66**		**$0.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.66**		**$0.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2105	Direct Cost			$0.46
2106				
2107		Cost Calculation	Cost Factor	Cost
2108				
2109		B	D	E
2110	***Marketing & Business Fees***			
2111	Product Management Expense	D2111*E2105	0.034281	$0.02
2112	Sales Expense	D2112*E2105	0.011333	$0.01
2113	Product Advertising Expense	D2113*E2105	0.000000	$0.00
2114	Business Fees (Other Operating Taxes)	D2114*Sum(E2105:E2113)	0.001848	$0.00
2115	***Total Marketing & Business Fees***	Sum(E2111:E2114)		$0.02
2116				
2117	***Sub-Total Direct Cost & Marketing***	E2105+E2115		$0.50
2118				
2119	***Other Direct Expenses***			
2120	Network Operations	D2120*E2117	0.050289	$0.03
2121	Network Support Assets	D2121*E2117	0.015375	$0.01
2122	General Support Assets	D2122*E2117	0.080638	$0.04
2123	General Purpose Computers	D2123*E2117	0.036437	$0.02
2124	Uncollectible	D2124*E2117	0.001017	$0.00
2125	Accounting & Finance Expense	D2125*E2117	0.007523	$0.00
2126	Human Resources Expense	D2126*E2117	0.007263	$0.00
2127	Information Management Expense	D2127*E2117	0.051570	$0.03
2128	Intangibles	D2128*E2117	0.002516	$0.00
2129	***Total Other Direct Expenses***	Sum(E2120:E2128)		$0.13
2130				
2131	***TELRIC***	E2120+E2129		$0.63
2132				
2133	***Common***			
2134	Executive Expense	D2134*E2131	0.005786	$0.00
2135	Planning Expense	D2135*E2131	0.000498	$0.00
2136	External Relations Expense	D2136*E2131	0.008170	$0.01
2137	Legal Expense	D2137*E2131	0.005352	$0.00
2138	Other Procurement Expense	D2138*E2131	0.002025	$0.00
2139	Research & Development Expense	D2139*E2131	0.000031	$0.00
2140	Other General and Admin Expense	D2140*E2131	0.015781	$0.01
2141	***Common Costs***	Sum(E2134:E2140)		$0.02
2142				
2143	***TELRIC + Common Costs***	E2131+E2141		$0.66

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
MAKE BUSY ARRANGEMENTS, per line			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
Subtotal - Inward	**0.66**		**$0.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.66**		**$0.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Price Per Hour	Costs
2164	Direct Cost			$0.48

		Cost Calculation	Cost Factor	Cost
2165				
2166				
2167				
2168		B	D	E
2169	***Marketing & Business Fees***			
2170	Product Management Expense	D2170*E2164	0.034281	$0.02
2171	Sales Expense	D2171*E2164	0.011333	$0.01
2172	Product Advertising Expense	D2172*E2164	0.000000	$0.00
2173	Business Fees (Other Operating Taxes)	D2173*Sum(E2164:E2172)	0.001848	$0.00
2174	***Total Marketing & Business Fees***	Sum(E2170:E2173)		$0.02
2175				
2176	***Sub-Total Direct Cost & Marketing***	E2164+E2174		$0.50
2177				
2178	***Other Direct Expenses***			
2179	Network Operations	D2179*E2176	0.050289	$0.03
2180	Network Support Assets	D2180*E2176	0.015375	$0.01
2181	General Support Assets	D2181*E2176	0.080638	$0.04
2182	General Purpose Computers	D2182*E2176	0.036437	$0.02
2183	Uncollectible	D2183*E2176	0.001017	$0.00
2184	Accounting & Finance Expense	D2184*E2176	0.007523	$0.00
2185	Human Resources Expense	D2185*E2176	0.007263	$0.00
2186	Information Management Expense	D2186*E2176	0.051570	$0.03
2187	Intangibles	D2187*E2176	0.002516	$0.00
2188	***Total Other Direct Expenses***	Sum(E2179:E2187)		$0.13
2189				
2190	***TELRIC***	E2179+E2188		$0.83
2191				
2192	***Common***			
2193	Executive Expense	D2193*E2190	0.005786	$0.00
2194	Planning Expense	D2194*E2190	0.000498	$0.00
2195	External Relations Expense	D2195*E2190	0.008170	$0.01
2196	Legal Expense	D2196*E2190	0.005352	$0.00
2197	Other Procurement Expense	D2197*E2190	0.002025	$0.00
2198	Research & Development Expense	D2198*E2190	0.000031	$0.00
2199	Other General and Admin Expense	D2199*E2190	0.015781	$0.01
2200	***Common Costs***	Sum(E2193:E2199)		$0.02
2201				
2202	***TELRIC + Common Costs***	E2190+E2200		$0.66

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs

MESSAGE CENTER - per main station line, per line

Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

Labor Group	Time In Minutes	Labor Cost Per Hour	Costs

		Cost Calculations	Cost Factor	Cost
2223	Direct Cost			$0.25
2224				
2225				
2226				
2227		B	D	E
2228	***Marketing & Business Fees***			
2229	Product Management Expense	D2229*E2223	0.034281	$0.01
2230	Sales Expense	D2230*E2223	0.011333	$0.00
2231	Product Advertising Expense	D2231*E2223	0.000000	$0.00
2232	Business Fees (Other Operating Taxes)	D2232*Sum(E2223:E2231)	0.001848	$0.00
2233	***Total Marketing & Business Fees***	Sum(E2229:E2232)		$0.01
2234				
2235	***Sub-Total Direct Cost & Marketing***	E2223+E2233		$0.26
2236				
2237	***Other Direct Expenses***			
2238	Network Operations	D2238*E2235	0.050289	$0.01
2239	Network Support Assets	D2239*E2235	0.015375	$0.00
2240	General Support Assets	D2240*E2235	0.080638	$0.02
2241	General Purpose Computers	D2241*E2235	0.036437	$0.01
2242	Uncollectible	D2242*E2235	0.001017	$0.00
2243	Accounting & Finance Expense	D2243*E2235	0.007523	$0.00
2244	Human Resources Expense	D2244*E2235	0.007263	$0.00
2245	Information Management Expense	D2245*E2235	0.051570	$0.01
2246	Intangibles	D2246*E2235	0.002516	$0.00
2247	***Total Other Direct Expenses***	Sum(E2238:E2246)		$0.07
2248				
2249	***TELRIC***	E2238+E2247		$0.33
2250				
2251	***Common***			
2252	Executive Expense	D2252*E2249	0.005786	$0.00
2253	Planning Expense	D2253*E2249	0.000498	$0.00
2254	External Relations Expense	D2254*E2249	0.008170	$0.00
2255	Legal Expense	D2255*E2249	0.005352	$0.00
2256	Other Procurement Expense	D2256*E2249	0.002025	$0.00
2257	Research & Development Expense	D2257*E2249	0.000031	$0.00
2258	Other General and Admin Expense	D2258*E2249	0.015781	$0.01
2259	***Common Costs***	Sum(E2252:E2258)		$0.01
2260				
2261	***TELRIC + Common Costs***	E2249+E2259		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Cost
MESSAGE WAITING VISUAL, per line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2282	Direct Cost			$0.25

		Cost Calculation	Cost Factor	Cost
		B	D	E
2283				
2284				
2285				
2286				
2287	***Marketing & Business Fees***			
2288	Product Management Expense	D2288*E2282	0.034281	$0.01
2289	Sales Expense	D2289*E2282	0.011333	$0.00
2290	Product Advertising Expense	D2290*E2282	0.000000	$0.00
2291	Business Fees (Other Operating Taxes)	D2291*Sum(E2282:E2290)	0.001848	$0.00
2292	***Total Marketing & Business Fees***	Sum(E2288:E2291)		$0.01
2293				
2294	***Sub-Total Direct Cost & Marketing***	E2282+E2292		$0.26
2295				
2296	***Other Direct Expenses***			
2297	Network Operations	D2297*E2294	0.050289	$0.01
2298	Network Support Assets	D2298*E2294	0.015375	$0.00
2299	General Support Assets	D2299*E2294	0.080638	$0.02
2300	General Purpose Computers	D2300*E2294	0.036437	$0.01
2301	Uncollectible	D2301*E2294	0.001017	$0.00
2302	Accounting & Finance Expense	D2302*E2294	0.007523	$0.00
2303	Human Resources Expense	D2303*E2294	0.007263	$0.00
2304	Information Management Expense	D2304*E2294	0.051570	$0.01
2305	Intangibles	D2305*E2294	0.002516	$0.00
2306	***Total Other Direct Expenses***	Sum(E2297:E2305)		$0.07
2307				
2308	***TELRIC***	E2297+E2306		$0.33
2309				
2310	***Common***			
2311	Executive Expense	D2311*E2308	0.005786	$0.00
2312	Planning Expense	D2312*E2308	0.000498	$0.00
2313	External Relations Expense	D2313*E2308	0.008170	$0.00
2314	Legal Expense	D2314*E2308	0.005352	$0.00
2315	Other Procurement Expense	D2315*E2308	0.002025	$0.00
2316	Research & Development Expense	D2316*E2308	0.000031	$0.00
2317	Other General and Admin Expense	D2317*E2308	0.015781	$0.01
2318	***Common Costs***	Sum(E2311:E2317)		$0.01
2319				
2320	***TELRIC + Common Costs***	E2308+E2318		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
MUSIC ON HOLD - per system			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	23.80	$41.45	$16.44
Subtotal - Inward	**24.14**		**$16.69**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**24.14**		**$16.69**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2342	**Direct Cost**	[illegible]		$16.69
2343				
2344		Cost Calculation	Cost Factor	Cost
2345				
2346		B	D	E
2347	***Marketing & Business Fees***			
2348	Product Management Expense	D2348*E2342	0.034281	$0.57
2349	Sales Expense	D2349*E2342	0.011333	$0.19
2350	Product Advertising Expense	D2350*E2342	0.000000	$0.00
2351	Business Fees (Other Operating Taxes)	D2351*Sum(E2342:E2350)	0.001848	$0.03
2352	***Total Marketing & Business Fees***	Sum(E2348:E2351)		$0.79
2353				
2354	***Sub-Total Direct Cost & Marketing***	E2342+E2352		$17.48
2355				
2356	***Other Direct Expenses***			
2357	Network Operations	D2357*E2354	0.050289	$0.88
2358	Network Support Assets	D2358*E2354	0.015375	$0.27
2359	General Support Assets	D2359*E2354	0.080638	$1.41
2360	General Purpose Computers	D2360*E2354	0.036437	$0.64
2361	Uncollectible	D2361*E2354	0.001017	$0.02
2362	Accounting & Finance Expense	D2362*E2354	0.007523	$0.13
2363	Human Resources Expense	D2363*E2354	0.007263	$0.13
2364	Information Management Expense	D2364*E2354	0.051570	$0.90
2365	Intangibles	D2365*E2354	0.002516	$0.04
2366	***Total Other Direct Expenses***	Sum(E2357:E2365)		$4.42
2367				
2368	***TELRIC***	E2357+E2366		$21.90
2369				
2370	***Common***			
2371	Executive Expense	D2371*E2368	0.005786	$0.13
2372	Planning Expense	D2372*E2368	0.000498	$0.01
2373	External Relations Expense	D2373*E2368	0.008170	$0.18
2374	Legal Expense	D2374*E2368	0.005352	$0.12
2375	Other Procurement Expense	D2375*E2368	0.002025	$0.04
2376	Research & Development Expense	D2376*E2368	0.000031	$0.00
2377	Other General and Admin Expense	D2377*E2368	0.015781	$0.35
2378	***Common Costs***	Sum(E2371:E2377)		$0.82
2379				
2380	***TELRIC + Common Costs***	E2368+E2378		$22.72

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
PRIVACY RELEASE, per station line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	0.14	$41.45	$0.09
Subtotal - Inward	**0.48**		**$0.34**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.48**		**$0.34**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2402	Direct Cost			$0.34
2403				
2404		Cost Calculation	Cost Factor	Cost
2405				
2406		B	C	D	E
2407	***Marketing & Business Fees***				
2408	Product Management Expense	D2408*E2402		0.034281	$0.01
2409	Sales Expense	D2409*E2402		0.011333	$0.00
2410	Product Advertising Expense	D2410*E2402		0.000000	$0.00
2411	Business Fees (Other Operating Taxes)	D2411*Sum(E2402:E2410)		0.001848	$0.00
2412	***Total Marketing & Business Fees***	Sum(E2408:E2411)			$0.02
2413					
2414	***Sub-Total Direct Cost & Marketing***	E2402+E2412			$0.36
2415					
2416	***Other Direct Expenses***				
2417	Network Operations	D2417*E2414		0.050289	$0.02
2418	Network Support Assets	D2418*E2414		0.015375	$0.01
2419	General Support Assets	D2419*E2414		0.080638	$0.03
2420	General Purpose Computers	D2420*E2414		0.036437	$0.01
2421	Uncollectible	D2421*E2414		0.001017	$0.00
2422	Accounting & Finance Expense	D2422*E2414		0.007523	$0.00
2423	Human Resources Expense	D2423*E2414		0.007263	$0.00
2424	Information Management Expense	D2424*E2414		0.051570	$0.02
2425	Intangibles	D2425*E2414		0.002516	$0.00
2426	***Total Other Direct Expenses***	Sum(E2417:E2425)			$0.09
2427					
2428	***TELRIC***	E2417+E2426			$0.45
2429					
2430	***Common***				
2431	Executive Expense	D2431*E2428		0.005786	$0.00
2432	Planning Expense	D2432*E2428		0.000498	$0.00
2433	External Relations Expense	D2433*E2428		0.008170	$0.00
2434	Legal Expense	D2434*E2428		0.005352	$0.00
2435	Other Procurement Expense	D2435*E2428		0.002025	$0.00
2436	Research & Development Expense	D2436*E2428		0.000031	$0.00
2437	Other General and Admin Expense	D2437*E2428		0.015781	$0.01
2438	***Common Costs***	Sum(E2431:E2437)			$0.02
2439					
2440	***TELRIC + Common Costs***	E2428+E2438			$0.47

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
QUERY TIME, per station line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2461	Direct Cost			$0.25
2462				
2463		Cost Calculation	Cost Factor	Cost
2464				
2465		B	C	D	E
2466	***Marketing & Business Fees***			
2467	Product Management Expense	D2467*E2461	0.034281	$0.01
2468	Sales Expense	D2468*E2461	0.011333	$0.00
2469	Product Advertising Expense	D2469*E2461	0.000000	$0.00
2470	Business Fees (Other Operating Taxes)	D2470*Sum(E2461:E2469)	0.001848	$0.00
2471	***Total Marketing & Business Fees***	Sum(E2467:E2470)		$0.01
2472				
2473	***Sub-Total Direct Cost & Marketing***	E2461+E2471		$0.26
2474				
2475	***Other Direct Expenses***			
2476	Network Operations	D2476*E2473	0.050289	$0.01
2477	Network Support Assets	D2477*E2473	0.015375	$0.00
2478	General Support Assets	D2478*E2473	0.080638	$0.02
2479	General Purpose Computers	D2479*E2473	0.036437	$0.01
2480	Uncollectible	D2480*E2473	0.001017	$0.00
2481	Accounting & Finance Expense	D2481*E2473	0.007523	$0.00
2482	Human Resources Expense	D2482*E2473	0.007263	$0.00
2483	Information Management Expense	D2483*E2473	0.051570	$0.01
2484	Intangibles	D2484*E2473	0.002516	$0.00
2485	***Total Other Direct Expenses***	Sum(E2476:E2484)		$0.07
2486				
2487	***TELRIC***	E2476+E2485		$0.33
2488				
2489	***Common***			
2490	Executive Expense	D2490*E2487	0.005786	$0.00
2491	Planning Expense	D2491*E2487	0.000498	$0.00
2492	External Relations Expense	D2492*E2487	0.008170	$0.00
2493	Legal Expense	D2493*E2487	0.005352	$0.00
2494	Other Procurement Expense	D2494*E2487	0.002025	$0.00
2495	Research & Development Expense	D2495*E2487	0.000031	$0.00
2496	Other General and Admin Expense	D2496*E2487	0.015781	$0.01
2497	***Common Costs***	Sum(E2490:E2496)		$0.01
2498				
2499	***TELRIC + Common Costs***	E2487+E2497		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
STATION CAMP-ON, per main line, per line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
Subtotal - Inward	**0.34**		**$0.25**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.34**		**$0.25**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2520	Direct Cost: [illegible]			$0.25

		Cost Calculation	Cost Factor	Cost
		B	D	E
2521				
2522				
2523				
2524				
2525	***Marketing & Business Fees***			
2526	Product Management Expense	D2526*E2520	0.034281	$0.01
2527	Sales Expense	D2527*E2520	0.011333	$0.00
2528	Product Advertising Expense	D2528*E2520	0.000000	$0.00
2529	Business Fees (Other Operating Taxes)	D2529*Sum(E2520:E2528)	0.001848	$0.00
2530	***Total Marketing & Business Fees***	Sum(E2526:E2529)		$0.01
2531				
2532	***Sub-Total Direct Cost & Marketing***	E2520+E2530		$0.26
2533				
2534	***Other Direct Expenses***			
2535	Network Operations	D2535*E2532	0.050289	$0.01
2536	Network Support Assets	D2536*E2532	0.015375	$0.00
2537	General Support Assets	D2537*E2532	0.080638	$0.02
2538	General Purpose Computers	D2538*E2532	0.036437	$0.01
2539	Uncollectible	D2539*E2532	0.001017	$0.00
2540	Accounting & Finance Expense	D2540*E2532	0.007523	$0.00
2541	Human Resources Expense	D2541*E2532	0.007263	$0.00
2542	Information Management Expense	D2542*E2532	0.051570	$0.01
2543	Intangibles	D2543*E2532	0.002516	$0.00
2544	***Total Other Direct Expenses***	Sum(E2535:E2543)		$0.07
2545				
2546	***TELRIC***	E2535+E2544		$0.33
2547				
2548	***Common***			
2549	Executive Expense	D2549*E2546	0.005786	$0.00
2550	Planning Expense	D2550*E2546	0.000498	$0.00
2551	External Relations Expense	D2551*E2546	0.008170	$0.00
2552	Legal Expense	D2552*E2546	0.005352	$0.00
2553	Other Procurement Expense	D2553*E2546	0.002025	$0.00
2554	Research & Development Expense	D2554*E2546	0.000031	$0.00
2555	Other General and Admin Expense	D2555*E2546	0.015781	$0.01
2556	***Common Costs***	Sum(E2549:E2555)		$0.01
2557				
2558	***TELRIC + Common Costs***	E2546+E2556		$0.34

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
TIME OF DAY CONTROL FOR ARS - PER SYSTEM			
Inward Costs			
NROC	131.40	$41.45	$90.78
Subtotal - Inward	**131.40**		**$90.78**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**131.40**		**$90.78**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2579	Direct Cost			$60.78

		Cost Calculation B	Cost Factor D	Cost E
2580				
2581				
2582				
2583				
2584	***Marketing & Business Fees***			
2585	Product Management Expense	D2585*E2579	0.034281	$3.11
2586	Sales Expense	D2586*E2579	0.011333	$1.03
2587	Product Advertising Expense	D2587*E2579	0.000000	$0.00
2588	Business Fees (Other Operating Taxes)	D2588*Sum(E2579:E2587)	0.001848	$0.18
2589	***Total Marketing & Business Fees***	Sum(E2585:E2588)		$4.32
2590				
2591	***Sub-Total Direct Cost & Marketing***	E2579+E2589		$95.09
2592				
2593	***Other Direct Expenses***			
2594	Network Operations	D2594*E2591	0.050289	$4.78
2595	Network Support Assets	D2595*E2591	0.015375	$1.46
2596	General Support Assets	D2596*E2591	0.080638	$7.67
2597	General Purpose Computers	D2597*E2591	0.036437	$3.46
2598	Uncollectible	D2598*E2591	0.001017	$0.10
2599	Accounting & Finance Expense	D2599*E2591	0.007523	$0.72
2600	Human Resources Expense	D2600*E2591	0.007263	$0.69
2601	Information Management Expense	D2601*E2591	0.051570	$4.90
2602	Intangibles	D2602*E2591	0.002516	$0.24
2603	***Total Other Direct Expenses***	Sum(E2594:E2602)		$24.02
2604				
2605	***TELRIC***	E2594+E2603		$119.11
2606				
2607	***Common***			
2608	Executive Expense	D2608*E2605	0.005786	$0.69
2609	Planning Expense	D2609*E2605	0.000498	$0.06
2610	External Relations Expense	D2610*E2605	0.008170	$0.97
2611	Legal Expense	D2611*E2605	0.005352	$0.64
2612	Other Procurement Expense	D2612*E2605	0.002025	$0.24
2613	Research & Development Expense	D2613*E2605	0.000031	$0.00
2614	Other General and Admin Expense	D2614*E2605	0.015781	$1.88
2615	***Common Costs***	Sum(E2608:E2614)		$4.48
2616				
2617	***TELRIC + Common Costs***	E2605+E2615		$123.60

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
TIME OF DAY NCOS UPDATED, PER MAIN STATION			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	0.20	$41.45	$0.14
Subtotal - Inward	**0.54**		**$0.39**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.54**		**$0.39**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2639	Direct Cost	[illegible]	[illegible]	$0.39
2640				
2641		Cost Calculation	Cost Factor	Cost
2642				
2643		B	C	D	E
2644	***Marketing & Business Fees***				
2645	Product Management Expense	D2645*E2639		0.034281	$0.01
2646	Sales Expense	D2646*E2639		0.011333	$0.00
2647	Product Advertising Expense	D2647*E2639		0.000000	$0.00
2648	Business Fees (Other Operating Taxes)	D2648*Sum(E2639:E2647)		0.001848	$0.00
2649	***Total Marketing & Business Fees***	Sum(E2645:E2648)			$0.02
2650					
2651	***Sub-Total Direct Cost & Marketing***	E2639+E2649			$0.41
2652					
2653	***Other Direct Expenses***				
2654	Network Operations	D2654*E2651		0.050289	$0.02
2655	Network Support Assets	D2655*E2651		0.015375	$0.01
2656	General Support Assets	D2656*E2651		0.080638	$0.03
2657	General Purpose Computers	D2657*E2651		0.036437	$0.01
2658	Uncollectible	D2658*E2651		0.001017	$0.00
2659	Accounting & Finance Expense	D2659*E2651		0.007523	$0.00
2660	Human Resources Expense	D2660*E2651		0.007263	$0.00
2661	Information Management Expense	D2661*E2651		0.051570	$0.02
2662	Intangibles	D2662*E2651		0.002516	$0.00
2663	***Total Other Direct Expenses***	Sum(E2654:E2662)			$0.10
2664					
2665	***TELRIC***	E2654+E2663			$0.51
2666					
2667	***Common***				
2668	Executive Expense	D2668*E2665		0.005786	$0.00
2669	Planning Expense	D2669*E2665		0.000498	$0.00
2670	External Relations Expense	D2670*E2665		0.008170	$0.00
2671	Legal Expense	D2671*E2665		0.005352	$0.00
2672	Other Procurement Expense	D2672*E2665		0.002025	$0.00
2673	Research & Development Expense	D2673*E2665		0.000031	$0.00
2674	Other General and Admin Expense	D2674*E2665		0.015781	$0.01
2675	***Common Costs***	Sum(E2668:E2674)			$0.02
2676					
2677	***TELRIC + Common Costs***	E2665+E2675			$0.53

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
TIME OF DAY ROUTING, per line			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	0.18	$41.45	$0.12
Subtotal - Inward	**0.52**		**$0.37**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.52**		**$0.37**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2699	**Direct Cost**			$0.37
2700				
2701		Cost Calculation	Cost Factor	Cost
2702				
2703		B	D	E
2704	***Marketing & Business Fees***			
2705	Product Management Expense	D2705*E2699	0.034281	$0.01
2706	Sales Expense	D2706*E2699	0.011333	$0.00
2707	Product Advertising Expense	D2707*E2699	0.000000	$0.00
2708	Business Fees (Other Operating Taxes)	D2708*Sum(E2699:E2707)	0.001848	$0.00
2709	***Total Marketing & Business Fees***	Sum(E2705:E2708)		$0.02
2710				
2711	***Sub-Total Direct Cost & Marketing***	E2699+E2709		$0.39
2712				
2713	***Other Direct Expenses***			
2714	Network Operations	D2714*E2711	0.050289	$0.02
2715	Network Support Assets	D2715*E2711	0.015375	$0.01
2716	General Support Assets	D2716*E2711	0.080638	$0.03
2717	General Purpose Computers	D2717*E2711	0.036437	$0.01
2718	Uncollectible	D2718*E2711	0.001017	$0.00
2719	Accounting & Finance Expense	D2719*E2711	0.007523	$0.00
2720	Human Resources Expense	D2720*E2711	0.007263	$0.00
2721	Information Management Expense	D2721*E2711	0.051570	$0.02
2722	Intangibles	D2722*E2711	0.002516	$0.00
2723	***Total Other Direct Expenses***	Sum(E2714:E2722)		$0.10
2724				
2725	***TELRIC***	E2714+E2723		$0.49
2726				
2727	***Common***			
2728	Executive Expense	D2728*E2725	0.005786	$0.00
2729	Planning Expense	D2729*E2725	0.000498	$0.00
2730	External Relations Expense	D2730*E2725	0.008170	$0.00
2731	Legal Expense	D2731*E2725	0.005352	$0.00
2732	Other Procurement Expense	D2732*E2725	0.002025	$0.00
2733	Research & Development Expense	D2733*E2725	0.000031	$0.00
2734	Other General and Admin Expense	D2734*E2725	0.015781	$0.01
2735	***Common Costs***	Sum(E2728:E2734)		$0.02
2736				
2737	***TELRIC + Common Costs***	E2725+E2735		$0.51

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED			
Inward Costs			
RCMAC	0.34	$43.81	$0.25
NROC	0.05	$41.45	$0.04
Subtotal - Inward	**0.39**		**$0.28**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.39**		**$0.28**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2759	Direct Cost			$0.28
2760				
2761		Cost Calculation	Cost Factor	Cost
2762				
2763		B	C	D	E
2764	***Marketing & Business Fees***			
2765	Product Management Expense	D2765*E2759	0.034281	$0.01
2766	Sales Expense	D2766*E2759	0.011333	$0.00
2767	Product Advertising Expense	D2767*E2759	0.000000	$0.00
2768	Business Fees (Other Operating Taxes)	D2768*Sum(E2759:E2767)	0.001848	$0.00
2769	***Total Marketing & Business Fees***	Sum(E2765:E2768)		$0.01
2770				
2771	***Sub-Total Direct Cost & Marketing***	E2759+E2769		$0.30
2772				
2773	***Other Direct Expenses***			
2774	Network Operations	D2774*E2771	0.050289	$0.01
2775	Network Support Assets	D2775*E2771	0.015375	$0.00
2776	General Support Assets	D2776*E2771	0.080638	$0.02
2777	General Purpose Computers	D2777*E2771	0.036437	$0.01
2778	Uncollectible	D2778*E2771	0.001017	$0.00
2779	Accounting & Finance Expense	D2779*E2771	0.007523	$0.00
2780	Human Resources Expense	D2780*E2771	0.007263	$0.00
2781	Information Management Expense	D2781*E2771	0.051570	$0.02
2782	Intangibles	D2782*E2771	0.002516	$0.00
2783	***Total Other Direct Expenses***	Sum(E2774:E2782)		$0.08
2784				
2785	***TELRIC***	E2774+E2783		$0.37
2786				
2787	***Common***			
2788	Executive Expense	D2788*E2785	0.005786	$0.00
2789	Planning Expense	D2789*E2785	0.000498	$0.00
2790	External Relations Expense	D2790*E2785	0.008170	$0.00
2791	Legal Expense	D2791*E2785	0.005352	$0.00
2792	Other Procurement Expense	D2792*E2785	0.002025	$0.00
2793	Research & Development Expense	D2793*E2785	0.000031	$0.00
2794	Other General and Admin Expense	D2794*E2785	0.015781	$0.01
2795	***Common Costs***	Sum(E2788:E2794)		$0.01
2796				
2797	***TELRIC + Common Costs***	E2785+E2795		$0.39

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line			
Inward Costs			
RCMAC	0.66	$43.81	$0.48
Subtotal - Inward	**0.66**		**$0.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**0.66**		**$0.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2818	**Direct Cost**			$0.48
2819				
2820		Cost Calculation	Cost Factor	Cost
2821				
2822		B	C	D	E
2823	***Marketing & Business Fees***				
2824	Product Management Expense	D2824*E2818		0.034281	$0.02
2825	Sales Expense	D2825*E2818		0.011333	$0.01
2826	Product Advertising Expense	D2826*E2818		0.000000	$0.00
2827	Business Fees (Other Operating Taxes)	D2827*Sum(E2818:E2826)		0.001848	$0.00
2828	***Total Marketing & Business Fees***	Sum(E2824:E2827)			$0.02
2829					
2830	***Sub-Total Direct Cost & Marketing***	E2818+E2828			$0.50
2831					
2832	***Other Direct Expenses***				
2833	Network Operations	D2833*E2830		0.050289	$0.03
2834	Network Support Assets	D2834*E2830		0.015375	$0.01
2835	General Support Assets	D2835*E2830		0.080638	$0.04
2836	General Purpose Computers	D2836*E2830		0.036437	$0.02
2837	Uncollectible	D2837*E2830		0.001017	$0.00
2838	Accounting & Finance Expense	D2838*E2830		0.007523	$0.00
2839	Human Resources Expense	D2839*E2830		0.007263	$0.00
2840	Information Management Expense	D2840*E2830		0.051570	$0.03
2841	Intangibles	D2841*E2830		0.002516	$0.00
2842	***Total Other Direct Expenses***	Sum(E2833:E2841)			$0.13
2843					
2844	***TELRIC***	E2833+E2842			$0.63
2845					
2846	***Common***				
2847	Executive Expense	D2847*E2844		0.005786	$0.00
2848	Planning Expense	D2848*E2844		0.000498	$0.00
2849	External Relations Expense	D2849*E2844		0.008170	$0.01
2850	Legal Expense	D2850*E2844		0.005352	$0.00
2851	Other Procurement Expense	D2851*E2844		0.002025	$0.00
2852	Research & Development Expense	D2852*E2844		0.000031	$0.00
2853	Other General and Admin Expense	D2853*E2844		0.015781	$0.01
2854	***Common Costs***	Sum(E2847:E2853)			$0.02
2855					
2856	***TELRIC + Common Costs***	E2844+E2854			$0.66

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION			
Inward Costs			
CUSTOMER COMMUNICATIONS TE(	960.00	$43.81	$700.96
Subtotal - Inward	**960.00**		**$700.96**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**960.00**		**$700.96**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time in Minutes	Labor Rate $/Hour	Costs
2877	Direct Cost [illegible]	[illegible]	[illegible]	$700.96

		Cost Calculation	Cost Factor	Cost
		B	D	E
2878				
2879				
2880				
2881				
2882	***Marketing & Business Fees***			
2883	Product Management Expense	D2883*E2877	0.034281	$24.03
2884	Sales Expense	D2884*E2877	0.011333	$7.94
2885	Product Advertising Expense	D2885*E2877	0.000000	$0.00
2886	Business Fees (Other Operating Taxes)	D2886*Sum(E2877:E2885)	0.001848	$1.35
2887	***Total Marketing & Business Fees***	Sum(E2883:E2886)		$33.33
2888				
2889	***Sub-Total Direct Cost & Marketing***	E2877+E2887		$734.29
2890				
2891	***Other Direct Expenses***			
2892	Network Operations	D2892*E2889	0.050289	$36.93
2893	Network Support Assets	D2893*E2889	0.015375	$11.29
2894	General Support Assets	D2894*E2889	0.080638	$59.21
2895	General Purpose Computers	D2895*E2889	0.036437	$26.76
2896	Uncollectible	D2896*E2889	0.001017	$0.75
2897	Accounting & Finance Expense	D2897*E2889	0.007523	$5.52
2898	Human Resources Expense	D2898*E2889	0.007263	$5.33
2899	Information Management Expense	D2899*E2889	0.051570	$37.87
2900	Intangibles	D2900*E2889	0.002516	$1.85
2901	***Total Other Direct Expenses***	Sum(E2892:E2900)		$185.50
2902				
2903	***TELRIC***	E2892+E2901		$919.79
2904				
2905	***Common***			
2906	Executive Expense	D2906*E2903	0.005786	$5.32
2907	Planning Expense	D2907*E2903	0.000498	$0.46
2908	External Relations Expense	D2908*E2903	0.008170	$7.51
2909	Legal Expense	D2909*E2903	0.005352	$4.92
2910	Other Procurement Expense	D2910*E2903	0.002025	$1.86
2911	Research & Development Expense	D2911*E2903	0.000031	$0.03
2912	Other General and Admin Expense	D2912*E2903	0.015781	$14.52
2913	***Common Costs***	Sum(E2906:E2912)		$34.62
2914				
2915	***TELRIC + Common Costs***	E2903+E2913		$954.41

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION			
Inward Costs			
CUSTOMER COMMUNICATIONS TE(	480.00	$43.81	$350.48
Subtotal - Inward	**480.00**		**$350.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**480.00**		**$350.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2936	**Direct Cost**			$350.48
2937				
2938		Cost Calculation	Cost Factor	Cost
2939				
2940		B	D	E
2941	***Marketing & Business Fees***			
2942	Product Management Expense	D2942*E2936	0.034281	$12.01
2943	Sales Expense	D2943*E2936	0.011333	$3.97
2944	Product Advertising Expense	D2944*E2936	0.000000	$0.00
2945	Business Fees (Other Operating Taxes)	D2945*Sum(E2936:E2944)	0.001848	$0.68
2946	***Total Marketing & Business Fees***	Sum(E2942:E2945)		$16.66
2947				
2948	***Sub-Total Direct Cost & Marketing***	E2936+E2946		$367.14
2949				
2950	***Other Direct Expenses***			
2951	Network Operations	D2951*E2948	0.050289	$18.46
2952	Network Support Assets	D2952*E2948	0.015375	$5.64
2953	General Support Assets	D2953*E2948	0.080638	$29.61
2954	General Purpose Computers	D2954*E2948	0.036437	$13.38
2955	Uncollectible	D2955*E2948	0.001017	$0.37
2956	Accounting & Finance Expense	D2956*E2948	0.007523	$2.76
2957	Human Resources Expense	D2957*E2948	0.007263	$2.67
2958	Information Management Expense	D2958*E2948	0.051570	$18.93
2959	Intangibles	D2959*E2948	0.002516	$0.92
2960	***Total Other Direct Expenses***	Sum(E2951:E2959)		$92.75
2961				
2962	***TELRIC***	E2951+E2960		$459.89
2963				
2964	***Common***			
2965	Executive Expense	D2965*E2962	0.005786	$2.66
2966	Planning Expense	D2966*E2962	0.000498	$0.23
2967	External Relations Expense	D2967*E2962	0.008170	$3.76
2968	Legal Expense	D2968*E2962	0.005352	$2.46
2969	Other Procurement Expense	D2969*E2962	0.002025	$0.93
2970	Research & Development Expense	D2970*E2962	0.000031	$0.01
2971	Other General and Admin Expense	D2971*E2962	0.015781	$7.26
2972	***Common Costs***	Sum(E2965:E2971)		$17.31
2973				
2974	***TELRIC + Common Costs***	E2962+E2972		$477.21

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM			
Inward Costs			
CUSTOMER COMMUNICATIONS TE(	480.00	$43.81	$350.48
Subtotal - Inward	**480.00**		**$350.48**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**480.00**		**$350.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
2995	**Direct Cost**			$350.48
2996				
2997		Cost Calculation	Cost Factor	Cost
2998		B	D	E
2999		C		
3000	***Marketing & Business Fees***			
3001	Product Management Expense	D3001*E2995	0.034281	$12.01
3002	Sales Expense	D3002*E2995	0.011333	$3.97
3003	Product Advertising Expense	D3003*E2995	0.000000	$0.00
3004	Business Fees (Other Operating Taxes)	D3004*Sum(E2995:E3003)	0.001848	$0.68
3005	***Total Marketing & Business Fees***	Sum(E3001:E3004)		$16.66
3006				
3007	***Sub-Total Direct Cost & Marketing***	E2995+E3005		$367.14
3008				
3009	***Other Direct Expenses***			
3010	Network Operations	D3010*E3007	0.050289	$18.46
3011	Network Support Assets	D3011*E3007	0.015375	$5.64
3012	General Support Assets	D3012*E3007	0.080638	$29.61
3013	General Purpose Computers	D3013*E3007	0.036437	$13.38
3014	Uncollectible	D3014*E3007	0.001017	$0.37
3015	Accounting & Finance Expense	D3015*E3007	0.007523	$2.76
3016	Human Resources Expense	D3016*E3007	0.007263	$2.67
3017	Information Management Expense	D3017*E3007	0.051570	$18.93
3018	Intangibles	D3018*E3007	0.002516	$0.92
3019	***Total Other Direct Expenses***	Sum(E3010:E3018)		$92.75
3020				
3021	***TELRIC***	E3010+E3019		$459.89
3022				
3023	***Common***			
3024	Executive Expense	D3024*E3021	0.005786	$2.66
3025	Planning Expense	D3025*E3021	0.000498	$0.23
3026	External Relations Expense	D3026*E3021	0.008170	$3.76
3027	Legal Expense	D3027*E3021	0.005352	$2.46
3028	Other Procurement Expense	D3028*E3021	0.002025	$0.93
3029	Research & Development Expense	D3029*E3021	0.000031	$0.01
3030	Other General and Admin Expense	D3030*E3021	0.015781	$7.26
3031	***Common Costs***	Sum(E3024:E3030)		$17.31
3032				
3033	***TELRIC + Common Costs***	E3021+E3031		$477.21

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION			
Inward Costs			
BUS/GOV SERVICE CENTER	65.00	$39.16	$42.42
UNIQUE PRODUCT & SERVICE GRC	240.00	$37.78	$151.12
COMPLEX TRANSLATIONS - NROC	15.00	$41.45	$10.36
COMPLEX TRANSLATIONS - NROC	45.00	$41.45	$31.09
SERVICE ORDER ENTRY CENTER	5.00	$39.16	$3.26
Subtotal - Inward	**370.00**		**$238.26**
Outward Costs			
BGS/GOV CENTER	5.00	$39.16	$3.26
SERVICE ORDER ENTRY CENTER	5.00	$39.16	$3.26
Subtotal - Outward	**10.00**		**$6.53**
Total Inward & Outward	**380.00**		**$244.78**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3060	**Direct Cost**			$244.78
3061				
3062		Cost	Cost	
3063		Calculation	Factor	Cost
3064		B	C	D	E
3065	***Marketing & Business Fees***			
3066	Product Management Expense	D3066*E3060	0.034281	$8.39
3067	Sales Expense	D3067*E3060	0.011333	$2.77
3068	Product Advertising Expense	D3068*E3060	0.000000	$0.00
3069	Business Fees (Other Operating Taxes)	D3069*Sum(E3060:E3068)	0.001848	$0.47
3070	***Total Marketing & Business Fees***	Sum(E3066:E3069)		$11.64
3071				
3072	***Sub-Total Direct Cost & Marketing***	E3060+E3070		$256.42
3073				
3074	***Other Direct Expenses***			
3075	Network Operations	D3075*E3072	0.050289	$12.90
3076	Network Support Assets	D3076*E3072	0.015375	$3.94
3077	General Support Assets	D3077*E3072	0.080638	$20.68
3078	General Purpose Computers	D3078*E3072	0.036437	$9.34
3079	Uncollectible	D3079*E3072	0.001017	$0.26
3080	Accounting & Finance Expense	D3080*E3072	0.007523	$1.93
3081	Human Resources Expense	D3081*E3072	0.007263	$1.86
3082	Information Management Expense	D3082*E3072	0.051570	$13.22
3083	Intangibles	D3083*E3072	0.002516	$0.65
3084	***Total Other Direct Expenses***	Sum(E3075:E3083)		$64.78
3085				
3086	***TELRIC***	E3075+E3084		$321.20
3087				
3088	***Common***			
3089	Executive Expense	D3089*E3086	0.005786	$1.86
3090	Planning Expense	D3090*E3086	0.000498	$0.16
3091	External Relations Expense	D3091*E3086	0.008170	$2.62
3092	Legal Expense	D3092*E3086	0.005352	$1.72
3093	Other Procurement Expense	D3093*E3086	0.002025	$0.65
3094	Research & Development Expense	D3094*E3086	0.000031	$0.01
3095	Other General and Admin Expense	D3095*E3086	0.015781	$5.07
3096	***Common Costs***	Sum(E3089:E3095)		$12.09
3097				
3098	***TELRIC + Common Costs***	E3086+E3096		$333.29

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Groups	Time In Minutes	Labor Rate Per Hour	Costs
SMDR-P - ARCHIVED DATA			
Inward Costs			
CCT - COMM CUST TECH	165.00	$38.08	$127.91
Subtotal - Inward	**165.00**		**$127.91**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**165.00**		**$127.91**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Hours	Labor Rate Per Hour	Cost
3119	Direct Cost			$127.91

		Cost Calculation	Cost Factor	Cost
		B	D	E
3120				
3121				
3122				
3123				
3124	***Marketing & Business Fees***			
3125	Product Management Expense	D3125*E3119	0.034281	$4.38
3126	Sales Expense	D3126*E3119	0.011333	$1.45
3127	Product Advertising Expense	D3127*E3119	0.000000	$0.00
3128	Business Fees (Other Operating Taxes)	D3128*Sum(E3119:E3127)	0.001848	$0.25
3129	***Total Marketing & Business Fees***	Sum(E3125:E3128)		$6.08
3130				
3131	***Sub-Total Direct Cost & Marketing***	E3119+E3129		$133.99
3132				
3133	***Other Direct Expenses***			
3134	Network Operations	D3134*E3131	0.050289	$6.74
3135	Network Support Assets	D3135*E3131	0.015375	$2.06
3136	General Support Assets	D3136*E3131	0.080638	$10.80
3137	General Purpose Computers	D3137*E3131	0.036437	$4.88
3138	Uncollectible	D3138*E3131	0.001017	$0.14
3139	Accounting & Finance Expense	D3139*E3131	0.007523	$1.01
3140	Human Resources Expense	D3140*E3131	0.007263	$0.97
3141	Information Management Expense	D3141*E3131	0.051570	$6.91
3142	Intangibles	D3142*E3131	0.002516	$0.34
3143	***Total Other Direct Expenses***	Sum(E3134:E3142)		$33.85
3144				
3145	***TELRIC***	E3134+E3143		$167.84
3146				
3147	***Common***			
3148	Executive Expense	D3148*E3145	0.005786	$0.97
3149	Planning Expense	D3149*E3145	0.000498	$0.08
3150	External Relations Expense	D3150*E3145	0.008170	$1.37
3151	Legal Expense	D3151*E3145	0.005352	$0.90
3152	Other Procurement Expense	D3152*E3145	0.002025	$0.34
3153	Research & Development Expense	D3153*E3145	0.000031	$0.01
3154	Other General and Admin Expense	D3154*E3145	0.015781	$2.65
3155	***Common Costs***	Sum(E3148:E3154)		$6.32
3156				
3157	***TELRIC + Common Costs***	E3145+E3155		$174.16

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
SUBSEQUENT ORDER CHARGE			
Inward Costs			
ISC - INTERCONNECT SERVICE CEI	15.00	$39.16	$9.79
Subtotal - Inward	**15.00**		**$9.79**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**15.00**		**$9.79**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3178	***Direct Cost***			$9.79
3179				
3180		Cost Calculation	Cost Factor	Cost
3181				
3182		B	D	E
3183	***Marketing & Business Fees***			
3184	Product Management Expense	D3184*E3178	0.034281	$0.34
3185	Sales Expense	D3185*E3178	0.011333	$0.11
3186	Product Advertising Expense	D3186*E3178	0.000000	$0.00
3187	Business Fees (Other Operating Taxes)	D3187*Sum(E3178:E3186)	0.001848	$0.02
3188	***Total Marketing & Business Fees***	Sum(E3184:E3187)		$0.47
3189				
3190	***Sub-Total Direct Cost & Marketing***	E3178+E3188		$10.26
3191				
3192	***Other Direct Expenses***			
3193	Network Operations	D3193*E3190	0.050289	$0.52
3194	Network Support Assets	D3194*E3190	0.015375	$0.16
3195	General Support Assets	D3195*E3190	0.080638	$0.83
3196	General Purpose Computers	D3196*E3190	0.036437	$0.37
3197	Uncollectible	D3197*E3190	0.001017	$0.01
3198	Accounting & Finance Expense	D3198*E3190	0.007523	$0.08
3199	Human Resources Expense	D3199*E3190	0.007263	$0.07
3200	Information Management Expense	D3200*E3190	0.051570	$0.53
3201	Intangibles	D3201*E3190	0.002516	$0.03
3202	***Total Other Direct Expenses***	Sum(E3193:E3201)		$2.59
3203				
3204	***TELRIC***	E3193+E3202		$12.85
3205				
3206	***Common***			
3207	Executive Expense	D3207*E3204	0.005786	$0.07
3208	Planning Expense	D3208*E3204	0.000498	$0.01
3209	External Relations Expense	D3209*E3204	0.008170	$0.10
3210	Legal Expense	D3210*E3204	0.005352	$0.07
3211	Other Procurement Expense	D3211*E3204	0.002025	$0.03
3212	Research & Development Expense	D3212*E3204	0.000031	$0.00
3213	Other General and Admin Expense	D3213*E3204	0.015781	$0.20
3214	***Common Costs***	Sum(E3207:E3213)		$0.48
3215				
3216	***TELRIC + Common Costs***	E3204+E3214		$13.33

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
BRI ISDN DIGITAL LINE PORT			
Inward Costs			
INTERCONNECTION SERVICE CEN	33.00	$39.16	$21.54
LOOP PROVISIONING CENTER	4.50	$37.78	$2.83
RCMAC	8.98	$43.81	$6.56
DESIGNED SERVICE CENTER - DES	38.00	$44.31	$28.06
CENTRAL OFFICE TECHNICIAN - LN	21.00	$43.81	$15.33
DESIGN SERVICE CENTER - IMPLEI	40.00	$43.81	$29.21
CORAC/DISPATCH CENTER	1.50	$37.78	$0.94
RCMAC	22.66	$43.81	$16.55
COMPLEX TRANSLATIONS	1.06	$41.45	$0.73
Subtotal - Inward	**170.70**		**$121.75**
Outward Costs			
INTERCONNECT SERVICE CENTER	11.00	$39.16	$7.18
LOOP PROVISIONING CENTER	4.50	$37.78	$2.83
RCMAC	1.00	$43.81	$0.73
DESIGNED SERVICE CENTER - DES	2.30	$44.31	$1.70
DESIGN SERVICE CENTER - IMPLEI	15.00	$43.81	$10.95
CENTRAL OFFICE TECHNICIAN - LN	9.30	$43.81	$6.79
RCMAC	8.66	$43.81	$6.32
Subtotal - Outward	**51.76**		**$36.51**
Total Inward & Outward	**222.46**		**$158.26**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time in Hours	Labor Rate Per Hour	Costs
3252	Direct Cost [illegible]	[illegible]	[illegible]	$158.26

		Cost Calculations	Cost Factor	Costs
3253				
3254				
3255				
3256		B	D	E
3257	***Marketing & Business Fees***			
3258	Product Management Expense	D3258*E3252	0.034281	$5.43
3259	Sales Expense	D3259*E3252	0.011333	$1.79
3260	Product Advertising Expense	D3260*E3252	0.000000	$0.00
3261	Business Fees (Other Operating Taxes)	D3261*Sum(E3252:E3260)	0.001848	$0.31
3262	***Total Marketing & Business Fees***	Sum(E3258:E3261)		$7.52
3263				
3264	***Sub-Total Direct Cost & Marketing***	E3252+E3262		$165.79
3265				
3266	***Other Direct Expenses***			
3267	Network Operations	D3267*E3264	0.050289	$8.34
3268	Network Support Assets	D3268*E3264	0.015375	$2.55
3269	General Support Assets	D3269*E3264	0.080638	$13.37
3270	General Purpose Computers	D3270*E3264	0.036437	$6.04
3271	Uncollectible	D3271*E3264	0.001017	$0.17
3272	Accounting & Finance Expense	D3272*E3264	0.007523	$1.25
3273	Human Resources Expense	D3273*E3264	0.007263	$1.20
3274	Information Management Expense	D3274*E3264	0.051570	$8.55
3275	Intangibles	D3275*E3264	0.002516	$0.42
3276	***Total Other Direct Expenses***	Sum(E3267:E3275)		$41.88
3277				
3278	***TELRIC***	E3267+E3276		$207.67
3279				
3280	***Common***			
3281	Executive Expense	D3281*E3278	0.005786	$1.20
3282	Planning Expense	D3282*E3278	0.000498	$0.10
3283	External Relations Expense	D3283*E3278	0.008170	$1.70
3284	Legal Expense	D3284*E3278	0.005352	$1.11
3285	Other Procurement Expense	D3285*E3278	0.002025	$0.42
3286	Research & Development Expense	D3286*E3278	0.000031	$0.01
3287	Other General and Admin Expense	D3287*E3278	0.015781	$3.28
3288	***Common Costs***	Sum(E3281:E3287)		$7.82
3289				
3290	***TELRIC + Common Costs***	E3278+E3288		$215.49

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
MESSAGE TRUNK GROUP, FIRST TRUNK			
Inward Costs			
INTERCONNECT SERVICE CENTER	82.00	$39.16	$53.52
DESIGN SERVICE CENTER - DESIGI	0.20	$44.31	$0.15
DESIGN SERVICE CENTER - IMPLEI	70.00	$43.81	$51.11
NROC - COMPLEX TRANSLATIONS ·	20.00	$41.45	$13.82
NROC - COMPLEX TRANSLATIONS ·	5.00	$41.45	$3.45
NROC - COMPLEX TRANSLATIONS ·	5.00	$41.45	$3.45
Subtotal - Inward	**182.20**		**$125.50**
Outward Costs			
INTERCONNECT SERVICE CENTER	22.00	$39.16	$14.36
DESIGN SERVICE CENTER - DESIGI	0.09	$44.31	$0.07
DESIGN SERVICE CENTER - IMPLEI	15.00	$43.81	$10.95
Subtotal - Outward	**37.09**		**$25.38**
Total Inward & Outward	**219.29**		**$150.88**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3319	**Direct Cost**			$150.88

		Cost Calculation	Cost Factor D	Cost E
3320				
3321				
3322				
3323				
3324	***Marketing & Business Fees***			
3325	Product Management Expense	D3325*E3319	0.034281	$5.17
3326	Sales Expense	D3326*E3319	0.011333	$1.71
3327	Product Advertising Expense	D3327*E3319	0.000000	$0.00
3328	Business Fees (Other Operating Taxes)	D3328*Sum(E3319:E3327)	0.001848	$0.29
3329	***Total Marketing & Business Fees***	Sum(E3325:E3328)		$7.17
3330				
3331	***Sub-Total Direct Cost & Marketing***	E3319+E3329		$158.06
3332				
3333	***Other Direct Expenses***			
3334	Network Operations	D3334*E3331	0.050289	$7.95
3335	Network Support Assets	D3335*E3331	0.015375	$2.43
3336	General Support Assets	D3336*E3331	0.080638	$12.75
3337	General Purpose Computers	D3337*E3331	0.036437	$5.76
3338	Uncollectible	D3338*E3331	0.001017	$0.16
3339	Accounting & Finance Expense	D3339*E3331	0.007523	$1.19
3340	Human Resources Expense	D3340*E3331	0.007263	$1.15
3341	Information Management Expense	D3341*E3331	0.051570	$8.15
3342	Intangibles	D3342*E3331	0.002516	$0.40
3343	***Total Other Direct Expenses***	Sum(E3334:E3342)		$39.93
3344				
3345	***TELRIC***	E3334+E3343		$197.99
3346				
3347	***Common***			
3348	Executive Expense	D3348*E3345	0.005786	$1.15
3349	Planning Expense	D3349*E3345	0.000498	$0.10
3350	External Relations Expense	D3350*E3345	0.008170	$1.62
3351	Legal Expense	D3351*E3345	0.005352	$1.06
3352	Other Procurement Expense	D3352*E3345	0.002025	$0.40
3353	Research & Development Expense	D3353*E3345	0.000031	$0.01
3354	Other General and Admin Expense	D3354*E3345	0.015781	$3.12
3355	***Common Costs***	Sum(E3348:E3354)		$7.45
3356				
3357	***TELRIC + Common Costs***	E3345+E3355		$205.44

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
MESSAGE TRUNK GROUP, EACH ADDITIONAL			
Inward Costs			
INTERCONNECT SERVICE CENTER	18.25	$39.16	$11.91
DESIGN SERVICE CENTER - DESIGI	0.20	$44.31	$0.15
DESIGN SERVICE CENTER - IMPLEI	12.00	$43.81	$8.76
Subtotal - Inward	**30.45**		**$20.82**
Outward Costs			
INTERCONNECT SERVICE CENTER	13.00	$39.16	$8.48
DESIGN SERVICE CENTER - DESIGI	0.09	$44.31	$0.07
DESIGN SERVICE CENTER - IMPLEI	10.00	$43.81	$7.30
Subtotal - Outward	**23.09**		**$15.85**
Total Inward & Outward	**53.54**		**$36.68**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3383	Direct Cost			[illegible]
3384				
3385		Cost		Cost
3386		Calculation		Factor	Cost
3387		B	C	D	E
3388	***Marketing & Business Fees***				
3389	Product Management Expense	D3389*E3383		0.034281	$1.26
3390	Sales Expense	D3390*E3383		0.011333	$0.42
3391	Product Advertising Expense	D3391*E3383		0.000000	$0.00
3392	Business Fees (Other Operating Taxes)	D3392*Sum(E3383:E3391)		0.001848	$0.07
3393	***Total Marketing & Business Fees***	Sum(E3389:E3392)			$1.74
3394					
3395	***Sub-Total Direct Cost & Marketing***	E3383+E3393			$38.42
3396					
3397	***Other Direct Expenses***				
3398	Network Operations	D3398*E3395		0.050289	$1.93
3399	Network Support Assets	D3399*E3395		0.015375	$0.59
3400	General Support Assets	D3400*E3395		0.080638	$3.10
3401	General Purpose Computers	D3401*E3395		0.036437	$1.40
3402	Uncollectible	D3402*E3395		0.001017	$0.04
3403	Accounting & Finance Expense	D3403*E3395		0.007523	$0.29
3404	Human Resources Expense	D3404*E3395		0.007263	$0.28
3405	Information Management Expense	D3405*E3395		0.051570	$1.98
3406	Intangibles	D3406*E3395		0.002516	$0.10
3407	***Total Other Direct Expenses***	Sum(E3398:E3406)			$9.71
3408					
3409	***TELRIC***	E3398+E3407			$48.13
3410					
3411	***Common***				
3412	Executive Expense	D3412*E3409		0.005786	$0.28
3413	Planning Expense	D3413*E3409		0.000498	$0.02
3414	External Relations Expense	D3414*E3409		0.008170	$0.39
3415	Legal Expense	D3415*E3409		0.005352	$0.26
3416	Other Procurement Expense	D3416*E3409		0.002025	$0.10
3417	Research & Development Expense	D3417*E3409		0.000031	$0.00
3418	Other General and Admin Expense	D3418*E3409		0.015781	$0.76
3419	***Common Costs***	Sum(E3412:E3418)			$1.81
3420					
3421	***TELRIC + Common Costs***	E3409+E3419			$49.94

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DS1 PRI ISDN TRUNK PORT			
Inward Costs			
INTERCONNECT SERVICE CENTER	67.00	$39.16	$43.73
DESIGN SERVICE CENTER - DESIGI	38.00	$44.31	$28.06
DESIGN SERVICE CENTER - IMPLEI	2.52	$43.81	$1.84
CENTRAL OFFICE TECHNICIAN	35.00	$43.81	$25.56
CORAC/DISPATCH CENTER	1.50	$37.78	$0.94
NROC - COMPLEX TRANSLATIONS	59.50	$41.45	$41.10
COMPLEX TRANSLATIONS	22.10	$41.45	$15.27
COMPLEX TRANSLATIONS	181.50	$41.45	$125.39
COMPLEX TRANSLATIONS - INPUT	125.40	$41.45	$86.63
RCMAC	15.10	$43.81	$11.03
Subtotal - Inward	**547.62**		**$379.55**
Outward Costs			
INTERCONNECT SERVICE CENTER	17.00	$39.16	$11.10
DESIGN SERVICE CENTER - DESIGI	2.30	$44.31	$1.70
DESIGN SERVICE CENTER - IMPLEI	0.63	$43.81	$0.46
CENTRAL OFFICE TECHNICIAN	9.30	$43.81	$6.79
COMPLEX TRANSLATIONS	56.10	$41.45	$38.76
COMPLEX TRANSLATIONS - INPUT	39.60	$41.45	$27.36
RCMAC	3.00	$43.81	$2.19
Subtotal - Outward	**127.93**		**$88.35**
Total Inward & Outward	**675.55**		**$467.89**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3458	**Direct Cost**			$467.89
3459				
3460		Cost Calculation	Cost Factor	Cost
3461				
3462		B	C	D	E
3463	***Marketing & Business Fees***				
3464	Product Management Expense	D3464*E3458		0.034281	$16.04
3465	Sales Expense	D3465*E3458		0.011333	$5.30
3466	Product Advertising Expense	D3466*E3458		0.000000	$0.00
3467	Business Fees (Other Operating Taxes)	D3467*Sum(E3458:E3466)		0.001848	$0.90
3468	***Total Marketing & Business Fees***	Sum(E3464:E3467)			$22.25
3469					
3470	***Sub-Total Direct Cost & Marketing***	E3458+E3468			$490.14
3471					
3472	***Other Direct Expenses***				
3473	Network Operations	D3473*E3470		0.050289	$24.65
3474	Network Support Assets	D3474*E3470		0.015375	$7.54
3475	General Support Assets	D3475*E3470		0.080638	$39.52
3476	General Purpose Computers	D3476*E3470		0.036437	$17.86
3477	Uncollectible	D3477*E3470		0.001017	$0.50
3478	Accounting & Finance Expense	D3478*E3470		0.007523	$3.69
3479	Human Resources Expense	D3479*E3470		0.007263	$3.56
3480	Information Management Expense	D3480*E3470		0.051570	$25.28
3481	Intangibles	D3481*E3470		0.002516	$1.23
3482	***Total Other Direct Expenses***	Sum(E3473:E3481)			$123.82
3483					
3484	***TELRIC***	E3473+E3482			$613.96
3485					
3486	***Common***				
3487	Executive Expense	D3487*E3484		0.005786	$3.55
3488	Planning Expense	D3488*E3484		0.000498	$0.31
3489	External Relations Expense	D3489*E3484		0.008170	$5.02
3490	Legal Expense	D3490*E3484		0.005352	$3.29
3491	Other Procurement Expense	D3491*E3484		0.002025	$1.24
3492	Research & Development Expense	D3492*E3484		0.000031	$0.02
3493	Other General and Admin Expense	D3493*E3484		0.015781	$9.69
3494	***Common Costs***	Sum(E3487:E3493)			$23.11
3495					
3496	***TELRIC + Common Costs***	E3484+E3494			$637.08

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DS1 / DID TRUNK PORT			
Inward Costs			
INTERCONNECT SERVICE CENTER	52.00	$39.16	$33.94
DESIGN SERVICE CENTER - DESIGI	38.00	$44.31	$28.06
DESIGN SERVICE CENTER - IMPLEI	40.00	$43.81	$29.21
CORAC/DISPATCH CENTER	1.50	$37.78	$0.94
CENTRAL OFFICE TECH	35.00	$43.81	$25.56
Subtotal - Inward	**166.50**		**$117.71**
Outward Costs			
INTERCONNECT SERVICE CENTER	22.00	$39.16	$14.36
DESIGN SERVICE CENTER - DESIGI	2.30	$44.31	$1.70
DESIGN SERVICE CENTER - IMPLEI	15.00	$43.81	$10.95
CENTRAL OFFICE TECH	12.00	$43.81	$8.76
Subtotal - Outward	**51.30**		**$35.77**
Total Inward & Outward	**217.80**		**$153.48**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3525	**Direct Cost**			$153.48
3526				
3527		Cost Calculation	Cost Factor	Cost
3528				
3529		B	C	D	E
3530	***Marketing & Business Fees***				
3531	Product Management Expense	D3531*E3525		0.034281	$5.26
3532	Sales Expense	D3532*E3525		0.011333	$1.74
3533	Product Advertising Expense	D3533*E3525		0.000000	$0.00
3534	Business Fees (Other Operating Taxes)	D3534*Sum(E3525:E3533)		0.001848	$0.30
3535	***Total Marketing & Business Fees***	Sum(E3531:E3534)			$7.30
3536					
3537	***Sub-Total Direct Cost & Marketing***	E3525+E3535			$160.78
3538					
3539	***Other Direct Expenses***				
3540	Network Operations	D3540*E3537		0.050289	$8.09
3541	Network Support Assets	D3541*E3537		0.015375	$2.47
3542	General Support Assets	D3542*E3537		0.080638	$12.96
3543	General Purpose Computers	D3543*E3537		0.036437	$5.86
3544	Uncollectible	D3544*E3537		0.001017	$0.16
3545	Accounting & Finance Expense	D3545*E3537		0.007523	$1.21
3546	Human Resources Expense	D3546*E3537		0.007263	$1.17
3547	Information Management Expense	D3547*E3537		0.051570	$8.29
3548	Intangibles	D3548*E3537		0.002516	$0.40
3549	***Total Other Direct Expenses***	Sum(E3540:E3548)			$40.62
3550					
3551	***TELRIC***	E3540+E3549			$201.39
3552					
3553	***Common***				
3554	Executive Expense	D3554*E3551		0.005786	$1.17
3555	Planning Expense	D3555*E3551		0.000498	$0.10
3556	External Relations Expense	D3556*E3551		0.008170	$1.65
3557	Legal Expense	D3557*E3551		0.005352	$1.08
3558	Other Procurement Expense	D3558*E3551		0.002025	$0.41
3559	Research & Development Expense	D3559*E3551		0.000031	$0.01
3560	Other General and Admin Expense	D3560*E3551		0.015781	$3.18
3561	***Common Costs***	Sum(E3554:E3560)			$7.58
3562					
3563	***TELRIC + Common Costs***	E3551+E3561			$208.98

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DS0 ANALOG TRUNK PORT - FIRST PORT			
Inward Costs			
INTERCONNECT SERVICE CENTER	82.00	$39.16	$53.52
DESIGN SERVICE CENTER - DESIGI	0.20	$44.31	$0.15
NROC - COMPLEX TRANSLATIONS ·	20.00	$41.45	$13.82
NROC - COMPLEX TRANSLATIONS ·	5.00	$41.45	$3.45
NROC - COMPLEX TRANSLATIONS ·	5.00	$41.45	$3.45
Subtotal - Inward	**112.20**		**$74.39**
Outward Costs			
INTERCONNECT SERVICE CENTER	22.00	$39.16	$14.36
DESIGN SERVICE CENTER - DESIGI	0.09	$44.31	$0.07
Subtotal - Outward	**22.09**		**$14.43**
Total Inward & Outward	**134.29**		**$88.82**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time Increment	Labor Rate Cost Per Hour	Costs
3590	Direct Cost			$88.82
3591				
3592		Cost Calculation	Cost Factor	Cost
3593				
3594		B	D	E
3595	***Marketing & Business Fees***			
3596	Product Management Expense	D3596*E3590	0.034281	$3.04
3597	Sales Expense	D3597*E3590	0.011333	$1.01
3598	Product Advertising Expense	D3598*E3590	0.000000	$0.00
3599	Business Fees (Other Operating Taxes)	D3599*Sum(E3590:E3598)	0.001848	$0.17
3600	***Total Marketing & Business Fees***	Sum(E3596:E3599)		$4.22
3601				
3602	***Sub-Total Direct Cost & Marketing***	E3590+E3600		$93.04
3603				
3604	***Other Direct Expenses***			
3605	Network Operations	D3605*E3602	0.050289	$4.68
3606	Network Support Assets	D3606*E3602	0.015375	$1.43
3607	General Support Assets	D3607*E3602	0.080638	$7.50
3608	General Purpose Computers	D3608*E3602	0.036437	$3.39
3609	Uncollectible	D3609*E3602	0.001017	$0.09
3610	Accounting & Finance Expense	D3610*E3602	0.007523	$0.70
3611	Human Resources Expense	D3611*E3602	0.007263	$0.68
3612	Information Management Expense	D3612*E3602	0.051570	$4.80
3613	Intangibles	D3613*E3602	0.002516	$0.23
3614	***Total Other Direct Expenses***	Sum(E3605:E3613)		$23.51
3615				
3616	***TELRIC***	E3605+E3614		$116.55
3617				
3618	***Common***			
3619	Executive Expense	D3619*E3616	0.005786	$0.67
3620	Planning Expense	D3620*E3616	0.000498	$0.06
3621	External Relations Expense	D3621*E3616	0.008170	$0.95
3622	Legal Expense	D3622*E3616	0.005352	$0.62
3623	Other Procurement Expense	D3623*E3616	0.002025	$0.24
3624	Research & Development Expense	D3624*E3616	0.000031	$0.00
3625	Other General and Admin Expense	D3625*E3616	0.015781	$1.84
3626	***Common Costs***	Sum(E3619:E3625)		$4.39
3627				
3628	***TELRIC + Common Costs***	E3616+E3626		$120.93

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
DS0 ANALOG TRUNK PORT - EACH ADDITIONAL			
Inward Costs			
INTERCONNECT SERVICE CENTER	18.25	$39.16	$11.91
DESIGN SERVICE CENTER - DESIGI	0.20	$44.31	$0.15
Subtotal - Inward	**18.45**		**$12.06**
Outward Costs			
INTERCONNECT SERVICE CENTER	13.00	$39.16	$8.48
DESIGN SERVICE CENTER - DESIGI	0.09	$44.31	$0.07
Subtotal - Outward	**13.09**		**$8.55**
Total Inward & Outward	**31.54**		**$20.61**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3652	**Direct Cost**			$20.61
3653				
3654		Cost Calculation	Cost Factor	Cost
3655				
3656		B	C	D	E
3657	***Marketing & Business Fees***				
3658	Product Management Expense	D3658*E3652		0.034281	$0.71
3659	Sales Expense	D3659*E3652		0.011333	$0.23
3660	Product Advertising Expense	D3660*E3652		0.000000	$0.00
3661	Business Fees (Other Operating Taxes)	D3661*Sum(E3652:E3660)		0.001848	$0.04
3662	***Total Marketing & Business Fees***	Sum(E3658:E3661)			$0.98
3663					
3664	***Sub-Total Direct Cost & Marketing***	E3652+E3662			$21.59
3665					
3666	***Other Direct Expenses***				
3667	Network Operations	D3667*E3664		0.050289	$1.09
3668	Network Support Assets	D3668*E3664		0.015375	$0.33
3669	General Support Assets	D3669*E3664		0.080638	$1.74
3670	General Purpose Computers	D3670*E3664		0.036437	$0.79
3671	Uncollectible	D3671*E3664		0.001017	$0.02
3672	Accounting & Finance Expense	D3672*E3664		0.007523	$0.16
3673	Human Resources Expense	D3673*E3664		0.007263	$0.16
3674	Information Management Expense	D3674*E3664		0.051570	$1.11
3675	Intangibles	D3675*E3664		0.002516	$0.05
3676	***Total Other Direct Expenses***	Sum(E3667:E3675)			$5.46
3677					
3678	***TELRIC***	E3667+E3676			$27.05
3679					
3680	***Common***				
3681	Executive Expense	D3681*E3678		0.005786	$0.16
3682	Planning Expense	D3682*E3678		0.000498	$0.01
3683	External Relations Expense	D3683*E3678		0.008170	$0.22
3684	Legal Expense	D3684*E3678		0.005352	$0.14
3685	Other Procurement Expense	D3685*E3678		0.002025	$0.05
3686	Research & Development Expense	D3686*E3678		0.000031	$0.00
3687	Other General and Admin Expense	D3687*E3678		0.015781	$0.43
3688	***Common Costs***	Sum(E3681:E3687)			$1.02
3689					
3690	***TELRIC + Common Costs***	E3678+E3688			$28.07

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

UPS DS1/DS3 ATM SWITCH INTERFACE PORT

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
Inward Costs			
SERVICE DELIVERY COORDINATOF	52.00	$40.03	$34.69
DESIGN	40.15	$44.31	$29.65
CENTRAL OFFICE TECHNICIAN	40.00	$43.81	$29.21
SERVICE DELIVERY IMPLEMENTOF	40.00	$43.81	$29.21
Subtotal - Inward	**172.15**		**$122.76**
Outward Costs			
SERVICE DELIVERY COORDINATOF	22.00	$40.03	$14.68
DESIGN	9.45	$44.31	$6.98
CENTRAL OFFICE TECHNICIAN	12.00	$43.81	$8.76
SERVICE DELIVERY IMPLEMENTOF	15.00	$43.81	$10.95
Subtotal - Outward	**58.45**		**$41.37**
Total Inward & Outward	**230.60**		**$164.13**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3716	[illegible]	[illegible]	[illegible]	$16.13
3719				
3720				
3721				
3722				

		Calculations	Factor	Costs
		B	C	D	E
3723	***Marketing & Business Fees***			
3724	Product Management Expense	D3724*E3718	0.034281	$5.63
3725	Sales Expense	D3725*E3718	0.011333	$1.86
3726	Product Advertising Expense	D3726*E3718	0.000000	$0.00
3727	Business Fees (Other Operating Taxes)	D3727*Sum(E3718:E3726)	0.001848	$0.32
3728	***Total Marketing & Business Fees***	Sum(E3724:E3727)		$7.80
3729				
3730	***Sub-Total Direct Cost & Marketing***	E3718+E3728		$171.93
3731				
3732	***Other Direct Expenses***			
3733	Network Operations	D3733*E3730	0.050289	$8.65
3734	Network Support Assets	D3734*E3730	0.015375	$2.64
3735	General Support Assets	D3735*E3730	0.080638	$13.86
3736	General Purpose Computers	D3736*E3730	0.036437	$6.26
3737	Uncollectible	D3737*E3730	0.001017	$0.17
3738	Accounting & Finance Expense	D3738*E3730	0.007523	$1.29
3739	Human Resources Expense	D3739*E3730	0.007263	$1.25
3740	Information Management Expense	D3740*E3730	0.051570	$8.87
3741	Intangibles	D3741*E3730	0.002516	$0.43
3742	***Total Other Direct Expenses***	Sum(E3733:E3741)		$43.43
3743				
3744	***TELRIC***	E3733+E3742		$215.37
3745				
3746	***Common***			
3747	Executive Expense	D3747*E3744	0.005786	$1.25
3748	Planning Expense	D3748*E3744	0.000498	$0.11
3749	External Relations Expense	D3749*E3744	0.008170	$1.76
3750	Legal Expense	D3750*E3744	0.005352	$1.15
3751	Other Procurement Expense	D3751*E3744	0.002025	$0.44
3752	Research & Development Expense	D3752*E3744	0.000031	$0.01
3753	Other General and Admin Expense	D3753*E3744	0.015781	$3.40
3754	***Common Costs***	Sum(E3747:E3753)		$8.11
3755				
3756	***TELRIC + Common Costs***	E3744+E3754		$223.47

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate $ Per Hour	Costs
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP			
Inward Costs			
INTERCONNECT SERVICE CENTER	7.05	$39.16	$4.60
LRAC	0.95	$37.78	$0.60
INSTALLATION/FIELD TECHNICIAN	44.00	$42.68	$31.30
ENTERPRISE - NOC (NETWORK OP	3.50	$41.45	$2.42
Subtotal - Inward	**55.50**		**$38.92**
Outward Costs			
INTERCONNECT SERVICE CENTER	4.20	$39.16	$2.74
ENTERPRISE - NOC (NETWORK OP	2.50	$41.45	$1.73
Subtotal - Outward	**6.70**		**$4.47**
Total Inward & Outward	**62.20**		**$43.38**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3782	Direct Cost			[illegible]

		Cost Calculation		Cost Factors	Cost
		B	C	D	E
3783					
3784					
3785					
3786					
3787	***Marketing & Business Fees***				
3788	Product Management Expense	D3788*E3782		0.034281	$1.49
3789	Sales Expense	D3789*E3782		0.011333	$0.49
3790	Product Advertising Expense	D3790*E3782		0.000000	$0.00
3791	Business Fees (Other Operating Taxes)	D3791*Sum(E3782:E3790)		0.001848	$0.08
3792	***Total Marketing & Business Fees***	Sum(E3788:E3791)			$2.06
3793					
3794	***Sub-Total Direct Cost & Marketing***	E3782+E3792			$45.45
3795					
3796	***Other Direct Expenses***				
3797	Network Operations	D3797*E3794		0.050289	$2.29
3798	Network Support Assets	D3798*E3794		0.015375	$0.70
3799	General Support Assets	D3799*E3794		0.080638	$3.66
3800	General Purpose Computers	D3800*E3794		0.036437	$1.66
3801	Uncollectible	D3801*E3794		0.001017	$0.05
3802	Accounting & Finance Expense	D3802*E3794		0.007523	$0.34
3803	Human Resources Expense	D3803*E3794		0.007263	$0.33
3804	Information Management Expense	D3804*E3794		0.051570	$2.34
3805	Intangibles	D3805*E3794		0.002516	$0.11
3806	***Total Other Direct Expenses***	Sum(E3797:E3805)			$11.48
3807					
3808	***TELRIC***	E3797+E3806			$56.93
3809					
3810	***Common***				
3811	Executive Expense	D3811*E3808		0.005786	$0.33
3812	Planning Expense	D3812*E3808		0.000498	$0.03
3813	External Relations Expense	D3813*E3808		0.008170	$0.47
3814	Legal Expense	D3814*E3808		0.005352	$0.30
3815	Other Procurement Expense	D3815*E3808		0.002025	$0.12
3816	Research & Development Expense	D3816*E3808		0.000031	$0.00
3817	Other General and Admin Expense	D3817*E3808		0.015781	$0.90
3818	***Common Costs***	Sum(E3811:E3817)			$2.14
3819					
3820	***TELRIC + Common Costs***	E3808+E3818			$59.07

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP			
Inward Costs			
INTERCONNECT SERVICE CENTER	47.00	$39.16	$30.68
LRAC	0.95	$37.78	$0.60
INSTALLATION/FIELD TECHNICIAN	53.50	$42.68	$38.06
ENTERPRISE - NOC (NETWORK OP	3.50	$41.45	$2.42
Subtotal - Inward	**104.95**		**$71.75**
Outward Costs			
INTERCONNECT SERVICE CENTER	28.00	$39.16	$18.27
ENTERPRISE - NOC (NETWORK OP	2.50	$41.45	$1.73
Subtotal - Outward	**30.50**		**$20.00**
Total Inward & Outward	**135.45**		**$91.75**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3846	Direct Cost			$91.75
3847				
3848		Cost Calculation	Cost Factor	Cost
3849				
3850		B	C	D	E
3851	***Marketing & Business Fees***				
3852	Product Management Expense	D3852*E3846		0.034281	$3.15
3853	Sales Expense	D3853*E3846		0.011333	$1.04
3854	Product Advertising Expense	D3854*E3846		0.000000	$0.00
3855	Business Fees (Other Operating Taxes)	D3855*Sum(E3846:E3854)		0.001848	$0.18
3856	***Total Marketing & Business Fees***	Sum(E3852:E3855)			$4.36
3857					
3858	***Sub-Total Direct Cost & Marketing***	E3846+E3856			$96.11
3859					
3860	***Other Direct Expenses***				
3861	Network Operations	D3861*E3858		0.050289	$4.83
3862	Network Support Assets	D3862*E3858		0.015375	$1.48
3863	General Support Assets	D3863*E3858		0.080638	$7.75
3864	General Purpose Computers	D3864*E3858		0.036437	$3.50
3865	Uncollectible	D3865*E3858		0.001017	$0.10
3866	Accounting & Finance Expense	D3866*E3858		0.007523	$0.72
3867	Human Resources Expense	D3867*E3858		0.007263	$0.70
3868	Information Management Expense	D3868*E3858		0.051570	$4.96
3869	Intangibles	D3869*E3858		0.002516	$0.24
3870	***Total Other Direct Expenses***	Sum(E3861:E3869)			$24.28
3871					
3872	***TELRIC***	E3861+E3870			$120.39
3873					
3874	***Common***				
3875	Executive Expense	D3875*E3872		0.005786	$0.70
3876	Planning Expense	D3876*E3872		0.000498	$0.06
3877	External Relations Expense	D3877*E3872		0.008170	$0.98
3878	Legal Expense	D3878*E3872		0.005352	$0.64
3879	Other Procurement Expense	D3879*E3872		0.002025	$0.24
3880	Research & Development Expense	D3880*E3872		0.000031	$0.00
3881	Other General and Admin Expense	D3881*E3872		0.015781	$1.90
3882	***Common Costs***	Sum(E3875:E3881)			$4.53
3883					
3884	***TELRIC + Common Costs***	E3872+E3882			$124.92

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Hourly Rate Per Hour	Costs
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP			
Inward Costs			
INTERCONNECT SERVICE CENTER	7.05	$39.16	$4.60
LRAC	0.95	$37.78	$0.60
INSTALLATION/FIELD TECHNICIAN	44.00	$42.68	$31.30
ENTERPRISE - NOC (NETWORK OP	3.50	$41.45	$2.42
Subtotal - Inward	**55.50**		**$38.92**
Outward Costs			
INTERCONNECT SERVICE CENTER	4.20	$39.16	$2.74
ENTERPRISE - NOC (NETWORK OP	2.50	$41.45	$1.73
Subtotal - Outward	**6.70**		**$4.47**
Total Inward & Outward	**62.20**		**$43.38**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
3910	**Direct Cost**			$43.38
3911				
3912		Cost Calculation	Cost Factor	Cost
3913				
3914		B	C	D	E
3915	***Marketing & Business Fees***			
3916	Product Management Expense	D3916*E3910	0.034281	$1.49
3917	Sales Expense	D3917*E3910	0.011333	$0.49
3918	Product Advertising Expense	D3918*E3910	0.000000	$0.00
3919	Business Fees (Other Operating Taxes)	D3919*Sum(E3910:E3918)	0.001848	$0.08
3920	***Total Marketing & Business Fees***	Sum(E3916:E3919)		$2.06
3921				
3922	***Sub-Total Direct Cost & Marketing***	E3910+E3920		$45.45
3923				
3924	***Other Direct Expenses***			
3925	Network Operations	D3925*E3922	0.050289	$2.29
3926	Network Support Assets	D3926*E3922	0.015375	$0.70
3927	General Support Assets	D3927*E3922	0.080638	$3.66
3928	General Purpose Computers	D3928*E3922	0.036437	$1.66
3929	Uncollectible	D3929*E3922	0.001017	$0.05
3930	Accounting & Finance Expense	D3930*E3922	0.007523	$0.34
3931	Human Resources Expense	D3931*E3922	0.007263	$0.33
3932	Information Management Expense	D3932*E3922	0.051570	$2.34
3933	Intangibles	D3933*E3922	0.002516	$0.11
3934	***Total Other Direct Expenses***	Sum(E3925:E3933)		$11.48
3935				
3936	***TELRIC***	E3925+E3934		$56.93
3937				
3938	***Common***			
3939	Executive Expense	D3939*E3936	0.005786	$0.33
3940	Planning Expense	D3940*E3936	0.000498	$0.03
3941	External Relations Expense	D3941*E3936	0.008170	$0.47
3942	Legal Expense	D3942*E3936	0.005352	$0.30
3943	Other Procurement Expense	D3943*E3936	0.002025	$0.12
3944	Research & Development Expense	D3944*E3936	0.000031	$0.00
3945	Other General and Admin Expense	D3945*E3936	0.015781	$0.90
3946	***Common Costs***	Sum(E3939:E3945)		$2.14
3947				
3948	***TELRIC + Common Costs***	E3936+E3946		$59.07

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC			
Inward Costs			
ACCOUNT MANAGER	120.00	$56.97	$113.94
CT TECHNICAL SUPPORT	120.00	$56.97	$113.94
Subtotal - Inward	**240.00**		**$227.88**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**240.00**		**$227.88**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: Arizona

	Labor Group	Time In Months	Labor Rate Per Month	Costs
3970	Direct Cost			[illegible]

		Cost Calculation	Cost Factor	Cost
		B	D	E
3971				
3972				
3973				
3974				
3975	***Marketing & Business Fees***			
3976	Product Management Expense	D3976*E3970	0.034281	$7.81
3977	Sales Expense	D3977*E3970	0.011333	$2.58
3978	Product Advertising Expense	D3978*E3970	0.000000	$0.00
3979	Business Fees (Other Operating Taxes)	D3979*Sum(E3970:E3978)	0.001848	$0.44
3980	***Total Marketing & Business Fees***	Sum(E3976:E3979)		$10.83
3981				
3982	***Sub-Total Direct Cost & Marketing***	E3970+E3980		$238.71
3983				
3984	***Other Direct Expenses***			
3985	Network Operations	D3985*E3982	0.050289	$12.00
3986	Network Support Assets	D3986*E3982	0.015375	$3.67
3987	General Support Assets	D3987*E3982	0.080638	$19.25
3988	General Purpose Computers	D3988*E3982	0.036437	$8.70
3989	Uncollectible	D3989*E3982	0.001017	$0.24
3990	Accounting & Finance Expense	D3990*E3982	0.007523	$1.80
3991	Human Resources Expense	D3991*E3982	0.007263	$1.73
3992	Information Management Expense	D3992*E3982	0.051570	$12.31
3993	Intangibles	D3993*E3982	0.002516	$0.60
3994	***Total Other Direct Expenses***	Sum(E3985:E3993)		$60.31
3995				
3996	***TELRIC***	E3985+E3994		$299.02
3997				
3998	***Common***			
3999	Executive Expense	D3999*E3996	0.005786	$1.73
4000	Planning Expense	D4000*E3996	0.000498	$0.15
4001	External Relations Expense	D4001*E3996	0.008170	$2.44
4002	Legal Expense	D4002*E3996	0.005352	$1.60
4003	Other Procurement Expense	D4003*E3996	0.002025	$0.61
4004	Research & Development Expense	D4004*E3996	0.000031	$0.01
4005	Other General and Admin Expense	D4005*E3996	0.015781	$4.72
4006	***Common Costs***	Sum(E3999:E4005)		$11.26
4007				
4008	***TELRIC + Common Costs***	E3996+E4006		$310.28

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH			
Inward Costs			
ACCOUNT MANAGER	30.00	$56.97	$28.49
COMPLEX TRANSLATIONS	200.40	$41.45	$138.44
Subtotal - Inward	**230.40**		**$166.93**
Outward Costs			
Subtotal - Outward	**0.00**		**$0.00**
Total Inward & Outward	**230.40**		**$166.93**

NONRECURRING COST GROUP SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

State: Arizona

	Labor Group	Time In Minutes	Labor Rate Per Hour	Costs
4030	Direct Cost			$166.93
4031				
4032		Cost Calculation	Cost Factor	Cost
4033				
4034		B	C	D	E
4035	***Marketing & Business Fees***				
4036	Product Management Expense	D4036*E4030		0.034281	$5.72
4037	Sales Expense	D4037*E4030		0.011333	$1.89
4038	Product Advertising Expense	D4038*E4030		0.000000	$0.00
4039	Business Fees (Other Operating Taxes)	D4039*Sum(E4030:E4038)		0.001848	$0.32
4040	***Total Marketing & Business Fees***	Sum(E4036:E4039)			$7.94
4041					
4042	***Sub-Total Direct Cost & Marketing***	E4030+E4040			$174.86
4043					
4044	***Other Direct Expenses***				
4045	Network Operations	D4045*E4042		0.050289	$8.79
4046	Network Support Assets	D4046*E4042		0.015375	$2.69
4047	General Support Assets	D4047*E4042		0.080638	$14.10
4048	General Purpose Computers	D4048*E4042		0.0364$\bar{3}$7	$6.37
4049	Uncollectible	D4049*E4042		0.001017	$0.18
4050	Accounting & Finance Expense	D4050*E4042		0.007523	$1.32
4051	Human Resources Expense	D4051*E4042		0.007263	$1.27
4052	Information Management Expense	D4052*E4042		0.051570	$9.02
4053	Intangibles	D4053*E4042		0.002516	$0.44
4054	***Total Other Direct Expenses***	Sum(E4045:E4053)			$44.18
4055					
4056	***TELRIC***	E4045+E4054			$219.04
4057					
4058	***Common***				
4059	Executive Expense	D4059*E4056		0.005786	$1.27
4060	Planning Expense	D4060*E4056		0.000498	$0.11
4061	External Relations Expense	D4061*E4056		0.008170	$1.79
4062	Legal Expense	D4062*E4056		0.005352	$1.17
4063	Other Procurement Expense	D4063*E4056		0.002025	$0.44
4064	Research & Development Expense	D4064*E4056		0.000031	$0.01
4065	Other General and Admin Expense	D4065*E4056		0.015781	$3.46
4066	***Common Costs***	Sum(E4059:E4065)			$8.25
4067					
4068	***TELRIC + Common Costs***	E4056+E4066			$227.29

NONRECURRING COST SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

Jurisdiction	Cost Element	Direct	+	Marketing & Bus Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common
Arizona	CENTREX COMMON EQUIPMENT	$870.23	+	$41.38	=	$911.61	+	$230.30	=	$1,141.90	+	$42.98	=	$1,184.89
Arizona	ACCOUNT CODES, PER SYSTEM	$57.72	+	$2.74	=	$60.47	+	$15.28	=	$75.74	+	$2.85	=	$78.60
Arizona	ATTENDANT ACCESS LINE - PER STATION LINE	$0.83	+	$0.04	=	$0.87	+	$0.22	=	$1.09	+	$0.04	=	$1.14
Arizona	AUDIBLE MESSAGE WAITING	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99
Arizona	AUTHORIZATION CODES - PER SYSTEM	$172.64	+	$8.21	=	$180.85	+	$45.69	=	$226.53	+	$8.53	=	$235.06
Arizona	AUTOMATIC LINE, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	ARS - COMMON EQUIPMENT, per system	$1,514.72	+	$72.02	=	$1,586.74	+	$400.86	=	$1,987.60	+	$74.82	=	$2,062.41
Arizona	CALL DROP	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	CALL EXCLUSION - AUTOMATIC	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99
Arizona	CALL EXCLUSION	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66
Arizona	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99
Arizona	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SER	$11.30	+	$0.54	=	$11.84	+	$2.99	=	$14.83	+	$0.56	=	$15.39
Arizona	CALL WAITING INDICATION, per unique timing state, per timing state	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99
Arizona	CFBL INCOMING ONLY	$27.36	+	$1.30	=	$28.66	+	$7.24	=	$35.90	+	$1.35	=	$37.25
Arizona	CFDA INCOMING ONLY	$27.36	+	$1.30	=	$28.66	+	$7.24	=	$35.90	+	$1.35	=	$37.25
Arizona	CLASS - CONTINUOUS REDIAL, PER NUIMBER	$0.91	+	$0.04	=	$0.95	+	$0.24	=	$1.19	+	$0.04	=	$1.24
Arizona	CLASS - LAST CALL RETURN, PER NUMBER	$0.92	+	$0.04	=	$0.96	+	$0.24	=	$1.20	+	$0.05	=	$1.25
Arizona	CLASS - PRIORITY CALLING, PER NUMBER	$0.87	+	$0.04	=	$0.91	+	$0.23	=	$1.14	+	$0.04	=	$1.18
Arizona	CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	$0.91	+	$0.04	=	$0.95	+	$0.24	=	$1.19	+	$0.04	=	$1.24
Arizona	CLASS - SELECTIVE CALL REJECTION, PER NUMBER	$0.87	+	$0.04	=	$0.91	+	$0.23	=	$1.14	+	$0.04	=	$1.18
Arizona	CONFERENCE CALLING - MEET ME - PER SYSTEM	$30.64	+	$1.46	=	$32.10	+	$8.11	=	$40.21	+	$1.51	=	$41.72
Arizona	CONFERENCE CALLING - PRESET - PER SYSTEM	$30.64	+	$1.46	=	$32.10	+	$8.11	=	$40.21	+	$1.51	=	$41.72
Arizona	DIR STA SEL/BUSY LAMP FLD, per arrangement	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	DIRECTED CALL PICK UP BARGE-IN	$14.55	+	$0.69	=	$15.24	+	$3.85	=	$19.09	+	$0.72	=	$19.81
Arizona	DIRECTED CALL PICKUP WITHOUT BARGE-IN	$14.55	+	$0.69	=	$15.24	+	$3.85	=	$19.09	+	$0.72	=	$19.81
Arizona	DISTINCTIVE RING/DISTINCTIVE CALL WAITING	$29.08	+	$1.38	=	$30.47	+	$7.70	=	$38.16	+	$1.44	=	$39.60
Arizona	EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	$51.88	+	$2.47	=	$54.35	+	$13.73	=	$68.08	+	$2.56	=	$70.64
Arizona	FACILITY RESTRICTION LEVEL - PER SYSTEM	$31.92	+	$1.52	=	$33.43	+	$8.45	=	$41.88	+	$1.58	=	$43.46
Arizona	GROUP INTERCOM - PER LINE	$0.33	+	$0.02	=	$0.34	+	$0.09	=	$0.43	+	$0.02	=	$0.45
Arizona	HOT LINE - per line equipped, per line	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99
Arizona	HUNTING - MULTIPOSITION HUNT QUEUING - per group	$27.84	+	$1.32	=	$29.16	+	$7.37	=	$36.53	+	$1.38	=	$37.90
Arizona	HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	$27.84	+	$1.32	=	$29.16	+	$7.37	=	$36.53	+	$1.38	=	$37.90

NONRECURRING COST SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

Jurisdiction	Cost Element	Direct	+	Markup & Bus Fees	=	Direct Markup	+	Direct Overhead Expense	=	Total Direct	+	Common Overhead	=	Total Common
Arizona	HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	$29.40	+	$1.40	=	$30.79	+	$7.78	=	$38.57	+	$1.45	=	$40.03
Arizona	ISDN SHORT HUNT	$1.23	+	$0.06	=	$1.29	+	$0.32	=	$1.61	+	$0.06	=	$1.67
Arizona	LOUDSPEAKER PAGING TRUNK SIDE, per group	$127.36	+	$6.06	=	$133.42	+	$33.70	=	$167.12	+	$6.29	=	$173.41
Arizona	MAKE BUSY ARRANGEMENTS, per group	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66
Arizona	MAKE BUSY ARRANGEMENTS, per line	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66
Arizona	MESSAGE CENTER - per main station line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	MESSAGE WAITING VISUAL, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	MUSIC ON HOLD - per system	$16.69	+	$0.79	=	$17.48	+	$4.42	=	$21.90	+	$0.82	=	$22.72
Arizona	PRIVACY RELEASE, per station line	$0.34	+	$0.02	=	$0.36	+	$0.09	=	$0.45	+	$0.02	=	$0.47
Arizona	QUERY TIME, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	STATION CAMP-ON, per main line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34
Arizona	TIME OF DAY CONTROL FOR ARS - PER SYSTEM	$90.78	+	$4.32	=	$95.09	+	$24.02	=	$119.11	+	$4.48	=	$123.60
Arizona	TIME OF DAY NCOS UPDATED, PER MAIN STATION	$0.39	+	$0.02	=	$0.41	+	$0.10	=	$0.51	+	$0.02	=	$0.53
Arizona	TIME OF DAY ROUTING, per line	$0.37	+	$0.02	=	$0.39	+	$0.10	=	$0.49	+	$0.02	=	$0.51
Arizona	TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EC	$0.28	+	$0.01	=	$0.30	+	$0.08	=	$0.37	+	$0.01	=	$0.39
Arizona	UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Anno	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66
Arizona	CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	$700.96	+	$33.33	=	$734.29	+	$185.50	=	$919.79	+	$34.62	=	$954.41
Arizona	CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION	$350.48	+	$16.66	=	$367.14	+	$92.75	=	$459.89	+	$17.31	=	$477.21
Arizona	CMS - PACKET CONTROL CAPABILITY, PER SYSTEM	$350.48	+	$16.66	=	$367.14	+	$92.75	=	$459.89	+	$17.31	=	$477.21
Arizona	SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLAT	$244.78	+	$11.64	=	$256.42	+	$64.78	=	$321.20	+	$12.09	=	$333.29
Arizona	SMDR-P - ARCHIVED DATA	$127.91	+	$6.08	=	$133.99	+	$33.85	=	$167.84	+	$6.32	=	$174.16
Arizona	SUBSEQUENT ORDER CHARGE	$9.79	+	$0.47	=	$10.26	+	$2.59	=	$12.85	+	$0.48	=	$13.33
Arizona	BRI ISDN DIGITAL LINE PORT	$158.26	+	$7.52	=	$165.79	+	$41.88	=	$207.67	+	$7.82	=	$215.49
Arizona	MESSAGE TRUNK GROUP, FIRST TRUNK	$150.88	+	$7.17	=	$158.06	+	$39.93	=	$197.99	+	$7.45	=	$205.44
Arizona	MESSAGE TRUNK GROUP, EACH ADDITIONAL	$36.68	+	$1.74	=	$38.42	+	$9.71	=	$48.13	+	$1.81	=	$49.94
Arizona	DS1 PRI ISDN TRUNK PORT	$467.89	+	$22.25	=	$490.14	+	$123.82	=	$613.96	+	$23.11	=	$637.08
Arizona	DS1 / DID TRUNK PORT	$153.48	+	$7.30	=	$160.78	+	$40.62	=	$201.39	+	$7.58	=	$208.98
Arizona	DS0 ANALOG TRUNK PORT - FIRST PORT	$88.82	+	$4.22	=	$93.04	+	$23.51	=	$116.55	+	$4.39	=	$120.93
Arizona	DS0 ANALOG TRUNK PORT - EACH ADDITIONAL	$20.61	+	$0.98	=	$21.59	+	$5.46	=	$27.05	+	$1.02	=	$28.07
Arizona	UPS DS1/DS3 ATM SWITCH INTERFACE PORT	$164.13	+	$7.80	=	$171.93	+	$43.43	=	$215.37	+	$8.11	=	$223.47
Arizona	UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	$43.38	+	$2.06	=	$45.45	+	$11.48	=	$56.93	+	$2.14	=	$59.07
Arizona	UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBI	$91.75	+	$4.36	=	$96.11	+	$24.28	=	$120.39	+	$4.53	=	$124.92
Arizona	UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP	$43.38	+	$2.06	=	$45.45	+	$11.48	=	$56.93	+	$2.14	=	$59.07

NONRECURRING COST SUMMARY

Study Name: COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241
Study Year: 2003
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.25
Date: 01/08/03

Jurisdiction	Cost Element	Direct		Marketing & Bus. Fees		Direct + Marketing		Other Direct Expenses		TELRIC		Common		TELRIC + Common
Arizona	CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	$227.88	+	$10.83	=	$238.71	+	$60.31	=	$299.02	+	$11.26	=	$310.28
Arizona	CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	$166.93	+	$7.94	=	$174.86	+	$44.18	=	$219.04	+	$8.25	=	$227.29

Direct - Direct Costs
Marketing & Bus. Fees - Marketing & Business Fees
Direct + Marketing - Direct Costs + Marketing & Business Fees
Other Direct Expenses - Other Direct Expenses
TELRIC - Total Element Long Run Incremental Costs
Common - Common Costs
TELRIC + Common - Total Element Long Run Incremental Costs + Common Costs

G. NONRECURRING COST SUMMARY

COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241

Arizona
2003

Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail Page Reference
CENTREX COMMON EQUIPMENT	$870.23	+	$41.38	=	$911.61	+	$230.30	=	$1,141.90	+	$42.98	=	$1,184.89	Pages 1-4
ACCOUNT CODES, PER SYSTEM	$57.72	+	$2.74	=	$60.47	+	$15.28	=	$75.74	+	$2.85	=	$78.60	Pages 5-6
ATTENDANT ACCESS LINE - PER STATION LINE	$0.83	+	$0.04	=	$0.87	+	$0.22	=	$1.09	+	$0.04	=	$1.14	Pages 7-8
AUDIBLE MESSAGE WAITING	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99	Pages 9-10
AUTHORIZATION CODES - PER SYSTEM	$172.64	+	$8.21	=	$180.85	+	$45.69	=	$226.53	+	$8.53	=	$235.06	Pages 11-12
AUTOMATIC LINE, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 13-14
ARS - COMMON EQUIPMENT, per system	$1,514.72	+	$72.02	=	$1,586.74	+	$400.86	=	$1,987.60	+	$74.82	=	$2,062.41	Pages 15-16
CALL DROP	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 17-18
CALL EXCLUSION - AUTOMATIC	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99	Pages 19-20
CALL EXCLUSION	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66	Pages 21-22
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99	Pages 23-24
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SER	$11.30	+	$0.54	=	$11.84	+	$2.99	=	$14.83	+	$0.56	=	$15.39	Pages 25-26
CALL WAITING INDICATION, per unique timing state, per timing state	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99	Pages 27-28
CFBL INCOMING ONLY	$27.36	+	$1.30	=	$28.66	+	$7.24	=	$35.90	+	$1.35	=	$37.25	Pages 29-30
CFDA INCOMING ONLY	$27.36	+	$1.30	=	$28.66	+	$7.24	=	$35.90	+	$1.35	=	$37.25	Pages 31-32
CLASS - CONTINUOUS REDIAL, PER NUIMBER	$0.91	+	$0.04	=	$0.95	+	$0.24	=	$1.19	+	$0.04	=	$1.24	Pages 33-34
CLASS - LAST CALL RETURN, PER NUMBER	$0.92	+	$0.04	=	$0.96	+	$0.24	=	$1.20	+	$0.05	=	$1.25	Pages 35-36
CLASS - PRIORITY CALLING, PER NUMBER	$0.87	+	$0.04	=	$0.91	+	$0.23	=	$1.14	+	$0.04	=	$1.18	Pages 37-38
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	$0.91	+	$0.04	=	$0.95	+	$0.24	=	$1.19	+	$0.04	=	$1.24	Pages 39-40
CLASS - SELECTIVE CALL REJECTION, PER NUMBER	$0.87	+	$0.04	=	$0.91	+	$0.23	=	$1.14	+	$0.04	=	$1.18	Pages 41-42
CONFERENCE CALLING - MEET ME - PER SYSTEM	$30.64	+	$1.46	=	$32.10	+	$8.11	=	$40.21	+	$1.51	=	$41.72	Pages 43-44
CONFERENCE CALLING - PRESET - PER SYSTEM	$30.64	+	$1.46	=	$32.10	+	$8.11	=	$40.21	+	$1.51	=	$41.72	Pages 45-46

G. NONRECURRING COST SUMMARY

COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241

Arizona
2003

Total Direct Costs and Common Costs

Cost Element	Direct		Bus Tech		Marketing		Other Direct Expenses		TELRIC		Common		TELRIC + Common	Detail Page Reference
DIR STA SEL/BUSY LAMP FLD, per arrangement	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 47-48
DIRECTED CALL PICK UP BARGE-IN	$14.55	+	$0.69	=	$15.24	+	$3.85	=	$19.09	+	$0.72	=	$19.81	Pages 49-50
DIRECTED CALL PICKUP WITHOUT BARGE-IN	$14.55	+	$0.69	=	$15.24	+	$3.85	=	$19.09	+	$0.72	=	$19.81	Pages 51-52
DISTINCTIVE RING/DISTINCTIVE CALL WAITING	$29.08	+	$1.38	=	$30.47	+	$7.70	=	$38.16	+	$1.44	=	$39.60	Pages 53-54
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	$51.88	+	$2.47	=	$54.35	+	$13.73	=	$68.08	+	$2.56	=	$70.64	Pages 55-56
FACILITY RESTRICTION LEVEL - PER SYSTEM	$31.92	+	$1.52	=	$33.43	+	$8.45	=	$41.88	+	$1.58	=	$43.46	Pages 57-58
GROUP INTERCOM - PER LINE	$0.33	+	$0.02	=	$0.34	+	$0.09	=	$0.43	+	$0.02	=	$0.45	Pages 59-60
HOT LINE - per line equipped, per line	$0.73	+	$0.03	=	$0.76	+	$0.19	=	$0.96	+	$0.04	=	$0.99	Pages 61-62
HUNTING - MULTIPOSITION HUNT QUEUING - per group	$27.84	+	$1.32	=	$29.16	+	$7.37	=	$36.53	+	$1.38	=	$37.90	Pages 63-64
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	$27.84	+	$1.32	=	$29.16	+	$7.37	=	$36.53	+	$1.38	=	$37.90	Pages 65-66
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	$29.40	+	$1.40	=	$30.79	+	$7.78	=	$38.57	+	$1.45	=	$40.03	Pages 67-68
ISDN SHORT HUNT	$1.23	+	$0.06	=	$1.29	+	$0.32	=	$1.61	+	$0.06	=	$1.67	Pages 69-70
LOUDSPEAKER PAGING TRUNK SIDE, per group	$127.36	+	$6.06	=	$133.42	+	$33.70	=	$167.12	+	$6.29	=	$173.41	Pages 71-72
MAKE BUSY ARRANGEMENTS, per group	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66	Pages 73-74
MAKE BUSY ARRANGEMENTS, per line	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66	Pages 75-76
MESSAGE CENTER - per main station line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 77-78
MESSAGE WAITING VISUAL, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 79-80
MUSIC ON HOLD - per system	$16.69	+	$0.79	=	$17.48	+	$4.42	=	$21.90	+	$0.82	=	$22.72	Pages 81-82
PRIVACY RELEASE, per station line	$0.34	+	$0.02	=	$0.36	+	$0.09	=	$0.45	+	$0.02	=	$0.47	Pages 83-84
QUERY TIME, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 85-86
STATION CAMP-ON, per main line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.01	=	$0.34	Pages 87-88
TIME OF DAY CONTROL FOR ARS - PER SYSTEM	$90.78	+	$4.32	=	$95.09	+	$24.02	=	$119.11	+	$4.48	=	$123.60	Pages 89-90
TIME OF DAY NCOS UPDATED, PER MAIN STATION	$0.39	+	$0.02	=	$0.41	+	$0.10	=	$0.51	+	$0.02	=	$0.53	Pages 91-92

G. NONRECURRING COST SUMMARY

COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241

Arizona
2003

Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bill Fees	=	Total Marketing	+	Other Direct Expenses	=	Total Direct	+	Common	=	Total Direct & Common	Detail Page Reference
TIME OF DAY ROUTING, per line	$0.37	+	$0.02	=	$0.39	+	$0.10	=	$0.49	+	$0.02	=	$0.51	Pages 93-94
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE E(	$0.28	+	$0.01	=	$0.30	+	$0.08	=	$0.37	+	$0.01	=	$0.39	Pages 95-96
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Ann(	$0.48	+	$0.02	=	$0.50	+	$0.13	=	$0.63	+	$0.02	=	$0.66	Pages 97-98
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	$700.96	+	$33.33	=	$734.29	+	$185.50	=	$919.79	+	$34.62	=	$954.41	Pages 99-100
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION	$350.48	+	$16.66	=	$367.14	+	$92.75	=	$459.89	+	$17.31	=	$477.21	Pages 101-102
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM	$350.48	+	$16.66	=	$367.14	+	$92.75	=	$459.89	+	$17.31	=	$477.21	Pages 103-104
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLAT	$244.78	+	$11.64	=	$256.42	+	$64.78	=	$321.20	+	$12.09	=	$333.29	Pages 105-107
SMDR-P - ARCHIVED DATA	$127.91	+	$6.08	=	$133.99	+	$33.85	=	$167.84	+	$6.32	=	$174.16	Pages 108-109
SUBSEQUENT ORDER CHARGE	$9.79	+	$0.47	=	$10.26	+	$2.59	=	$12.85	+	$0.48	=	$13.33	Pages 110-111
BRI ISDN DIGITAL LINE PORT	$158.26	+	$7.52	=	$165.79	+	$41.88	=	$207.67	+	$7.82	=	$215.49	Pages 112-117
MESSAGE TRUNK GROUP, FIRST TRUNK	$150.88	+	$7.17	=	$158.06	+	$39.93	=	$197.99	+	$7.45	=	$205.44	Pages 118-121
MESSAGE TRUNK GROUP, EACH ADDITIONAL	$36.68	+	$1.74	=	$38.42	+	$9.71	=	$48.13	+	$1.81	=	$49.94	Pages 122-124
DS1 PRI ISDN TRUNK PORT	$467.89	+	$22.25	=	$490.14	+	$123.82	=	$613.96	+	$23.11	=	$637.08	Pages 125-130
DS1 / DID TRUNK PORT	$153.48	+	$7.30	=	$160.78	+	$40.62	=	$201.39	+	$7.58	=	$208.98	Pages 131-134
DS0 ANALOG TRUNK PORT - FIRST PORT	$88.82	+	$4.22	=	$93.04	+	$23.51	=	$116.55	+	$4.39	=	$120.93	Pages 135-137
DS0 ANALOG TRUNK PORT - EACH ADDITIONAL	$20.61	+	$0.98	=	$21.59	+	$5.46	=	$27.05	+	$1.02	=	$28.07	Pages 138-140
UPS DS1/DS3 ATM SWITCH INTERFACE PORT	$164.13	+	$7.80	=	$171.93	+	$43.43	=	$215.37	+	$8.11	=	$223.47	Pages 141-143
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	$43.38	+	$2.06	=	$45.45	+	$11.48	=	$56.93	+	$2.14	=	$59.07	Pages 144-146
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBI	$91.75	+	$4.36	=	$96.11	+	$24.28	=	$120.39	+	$4.53	=	$124.92	Pages 147-149
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP	$43.38	+	$2.06	=	$45.45	+	$11.48	=	$56.93	+	$2.14	=	$59.07	Pages 150-152
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	$227.88	+	$10.83	=	$238.71	+	$60.31	=	$299.02	+	$11.26	=	$310.28	Pages 153-154
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	$166.93	+	$7.94	=	$174.86	+	$44.18	=	$219.04	+	$8.25	=	$227.29	Pages 155-156

G. NONRECURRING COST SUMMARY

COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241

Arizona
2003

Total Direct Costs and Common Costs

Cost Element	Direct +	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	Total Costs	Detail Page Reference

Direct - Direct Costs
Marketing & Bus. Fees - Marketing & Business Fees
Direct + Marketing - Direct Costs + Marketing & Business Fees
Other Direct Expenses - Other Direct Expenses
TELRIC - Total Element Long Run Incremental Costs

NRC Formatting

	A	B	C	D	E	F	G	H	I	J	K
1	Detail Report - "Subtotal" line formatting -->										
2	Detail Report - Costs formatting -->										
3	Detail Report - Comment formatting -->										
4	Detail Report - Section header formatting -->										
5	Groups Report - Group label formatting -->										
6	Groups Report - Group cost formatting -->										
7	Groups Report - "Subtotal" line formatting -->										
8											
9	Summary Report - Cost formatting -->	US WEST	#PORT-RCF-	$39.48	+	$1.32	=	$40.80	+	$10.33	=
10	Results Report - Cost formatting -->		#PORT-RCF-	$39.48	+	$1.32	=	$40.80	+	$10.33	=
11											
12	Detail Report - Print Title Row #1										
13	Detail Report - Print Title Row #2		*Work Item*	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
14	Detail Report - Print Title Row #3		A	B	C	D	E	F	G	H	I
15	Detail Report - Print Title Row #4								B * (C Thru F)		H * (G/60)
16											
17											
18	Group Report - Print Title Row #1			*Time*	*Labor Rate*						
19	Group Report - Print Title Row #2		*Labor Group*	*In Minutes*	*Per Hour*	*Costs*					
20											
21											
22	Summary Report - Print Title Row #1										
23	Summary Report - Print Title Row #2					*Marketing &*		*Direct +*		*Other Direct*	
24	Summary Report - Print Title Row #2	*Jurisdiction*	*Cost Element*	*Direct*	*+*	*Bus. Fees*	*=*	*Marketing*	*+*	*Expenses*	*=*
25											
26	Summary Report - Term Description #1	Direct - Direct Costs									
27	Summary Report - Term Description #2	Marketing & Bus. Fees - Marketing & Business Fees									
28	Summary Report - Term Description #3	Direct + Marketing - Direct Costs + Marketing & Business Fees									
29	Summary Report - Term Description #4	Other Direct Expenses - Other Direct Expenses									
30	Summary Report - Term Description #5	TELRIC - Total Element Long Run Incremental Costs									
31	Summary Report - Term Description #6	Common - Common Costs									
32	Summary Report - Term Description #7	TELRIC + Common - Total Element Long Run Incremental Costs + Common Costs									
33	Groups Report - TELRIC Header	***Direct Cost***									
34	Groups Report - Service Label	**erconnection**									
35											
36	Groups Report - "Rate" line formatting -->	*Ordered Rate:*				$1.23					
37											

	A	B	C	D	E	F	G	H	I	J	K
38	Groups Report - TELRIC + Common + "Rate"	*TELRIC + Common + Ordered Rate*				$1.23					
39											
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50	Summary Report - Page Reference Header	*Detail*									
51		*Page*									
52		*Reference*									
53	Column Headings - Definitions label										
54	Column Headings - "Times" definition										
55											
56											
57	Column Headings - "Prob" definition										
58											
59	Column Headings - "Labor" definition										
60											
61	LR Summary - Footer text										
62											
63											
64											
65	Results Summary - Print Title	**G. NONRECURRING COST SUMMARY**									
66											
67	***COMPLIANCE ORDER DKT T-00000A-00-0194/PHASE II-A NRC STUDY #7241***										
68											
69		**Arizona**									
70		**2003**									
71											
72	**Total Direct Costs and Common Costs**										

	A	B	C	D	E	F	G	H	I	J	K
73											
74		**2000 Labor Rates**									
75											
76											
77	Detail Report - Page header	***CUSTOM ROUTING- OPERATOR, DA I***			1						
78											
79	Detail Report - Cost Factor Section	**Row**									
80	Old Methodology	80	Direct Cost				$1.00				
81		81									
82		82		Cost		Cost					
83		83		Calculation		Factor	Cost				
84		84		E	C	D	E				
85	Factors - Directly Assigned	85	***Marketing & Business Fees***								
86		86	Product Mana	D86*E80		0.034281	$0.03				
87		87	Sales Expens	D87*E80		0.011333	$0.01				
88		88	Product Adver	D88*E80		0.000000	$0.00				
89		89	Business Fee	D89*Sum(E80:E88)		0.001848	$0.00				
90		90	*Total Marketi*	Sum(E86:E89)			$0.05				
91		91									
92		92	*Sub-Total Di*	E80+E90			$1.05				
93		93									
94	Factors - Directly Attributed	94	***Other Direct Expenses***								
95		95	Network Oper	D95*E92		0.050289	$0.05				
96		96	Network Supp	D96*E92		0.015375	$0.02				
97		97	General Supp	D97*E92		0.080638	$0.08				
98		98	General Purp	D98*E92		0.036437	$0.04				
99		99	Uncollectible	D99*E92		0.001017	$0.00				
100		100	Accounting &	D100*E92		0.007523	$0.01				
101		101	Human Resou	D101*E92		0.007263	$0.01				
102		102	Information M	D102*E92		0.051570	$0.05				
103		103	Intangibles	D103*E92		0.002516	$0.00				
104		104	*Total Other L*	Sum(E95:E103)			$0.26				
105		105									
106		106	*TELRIC*	E95+E104			$1.31				
107		107									
108	Factors - Common	108	***Common***								
109		109	Executive Exp	D109*E106		0.005786	$0.01				
110		110	Planning Expe	D110*E106		0.000498	$0.00				
111		111	External Relat	D111*E106		0.008170	$0.01				
112	Factors - TELRIC + Common	112	Legal Expense	D112*E106		0.005352	$0.01				
113		113	Other Procure	D113*E106		0.002025	$0.00				
114		114	Research & D	D114*E106		0.000031	$0.00				
115		115	Other General	D115*E106		0.015781	$0.02				

	A	B	C	D	E	F	G	H	I	J	K
116		116	*Common Co*	Sum(E109:E115)			$0.05				
117		117									
118		118	*TELRIC + Co*	E106+E116			$1.36				
119											
120	Commission Prescribed Factor 1	**Commissi**	**Commission Factor 1**			**0.000000**					
121	Commission Prescribed Factor 2	**Commissi**	**Commission Factor 2**			**0.000000**					
122											
123											
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126	Header for "State Adjustment" sheet	**Summary of Results**									
127		**Commission Prescribed Costing & Pricing**									
128											
129		**State: Washington**									
130				*State*	*State*						
131				*Cost/Price*	*Cost/Price*						
132			*Total*	*Factor 1*	*Factor 2*	*Total Cost*					
133		*Cost Elemen*	*Direct*	*.1962*	*.0405*	*or Price*					
134											
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140	Detail Report - Cost Factor Section	**Row**									
141	Old Methodology	141	Direct Cost				$1.00				
142		142									
143		143		**Cost**		**Cost**					
144		144		**Calculation**		**Factor**	**Cost**				
145		145		**B**	**C**	**D**	**E**				
146	Factors - Directly Assigned	146	***Marketing, Business Fees, & Other***								
147		147	Network Oper	**D147*E141**		0.084715	$0.08				
148		148	Product Mana	**D148*E141**		0.013087	$0.01				
149		149	Sales Expens	**D149*E141**		0.000000	$0.00				
150		150	Product Adver	**D150*E141**		0.014971	$0.01				
151		151	Business Fee	**D151*Sum(E141:E150)**		0.014971	$0.02				

	A	B	C	D	E	F	G	H	I	J	K
152		152	*Total Marketi*	Sum(E147:E151)			$0.13				
153		153									
154		154	*Sub-Total Di*	E141+E152			$1.13				
155		155									
156	Factors - Directly Attributed	156	*Other Direct Expenses*								
157		157	Network Supp	D157*E152		0.014988	$0.02				
158		158	General Supp	D158*E152		0.072773	$0.08				
159		159	General Purpo	D159*E152		0.046935	$0.05				
160		160	Uncollectible	D160*E152		0.001006	$0.00				
161		161	Accounting &	D161*E152		0.007142	$0.01				
162		162	Human Resou	D162*E152		0.008526	$0.01				
163		163	Information Ma	D163*E152		0.046988	$0.05				
164		164	Intangibles	D164*E152		0.047636	$0.05				
165		165	*Total Other L*	Sum(E157:E164)			$0.28				
166		166									
167		167	*TELRIC*	E154+E165			$1.41				
168		168									
169	Factors - Common	169	*Common*								
170		170	Executive Exp	D170*E167		0.010962	$0.02				
171		171	Planning Expe	D171*E167		0.000538	$0.00				
172		172	External Relat	D172*E167		0.010520	$0.01				
173	Factors - TELRIC + Common	173	Legal Expense	D173*E167		0.004712	$0.01				
174		174	Other Procure	D174*E167		0.001906	$0.00				
175		175	Research & D	D175*E167		0.000006	$0.00				
176		176	Other General	D176*E167		0.026328	$0.04				
177		177	*Common Co*	Sum(E170:E176)			$0.08				
178		178									
179		179	*TELRIC + Co*	E167+E177			$1.48				
180											
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184											
185	Summary Report - Specific Rate Header		*TELRIC +*								
186		*Ordered*	*Common +*								
187		*Rate*	*Ordered Rate*								

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9	$51.13	+	$4.98	=	$56.12	$56.12	$56.12	
10	$51.13	+	$4.98	=	$56.12	$56.12	$56.12	Page 5
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23					*TELRIC +*			
24	*TELRIC*	*+*	*Common*	*=*	*Common*			
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Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CENTREX COMMON EQUIPMENT						
0	SERVICE	CENTREX COMMON EQUIPMENT						
6500	ADD							
5600	GROUP	**NROC - COMPLEX TRANSLATIONS**						
1	COMMENT	1st probability % by switch type						
5601	WORKITEM	COMMON EQUIPMENT - 5E	215	0.66	0	0	0	14
5602	WORKITEM	COMMON EQUIPMENT - 5E	195	0.66	0	0	0	14
5603	WORKITEM	COMMON EQUIPMENT - DMS	350	0.34	0	0	0	14
5604	WORKITEM	COMMON EQUIPMENT - DMS	595	0.34	0	0	0	14
5605	WORKITEM	AUTOMATIC CALLBACK - 5E	10	0.66	0	0	0	14
5606	WORKITEM	AUTOMATIC CALLBACK - 5E	10	0.66	0	0	0	14
5607	WORKITEM	AUTOMATIC CALLBACK - DMS	15	0.34	0	0	0	14
5608	WORKITEM	AUTOMATIC CALLBACK - DMS	15	0.34	0	0	0	14
5609	WORKITEM	CALL FORWARDING - BUSY LINE - 5E	30	0.66	0	0	0	14
5610	WORKITEM	CALL FORWARDING - BUSY LINE - 5E	30	0.66	0	0	0	14
5611	WORKITEM	CALL FORWARDING - DON'T ANSWER - 5E	30	0.66	0	0	0	14
5612	WORKITEM	CALL FORWARDING - DON'T ANSWER - 5E	30	0.66	0	0	0	14
5613	WORKITEM	CALL FORWARDING - DON'T ANSWER - DMS	10	0.34	0	0	0	14
5614	WORKITEM	CALL FORWARDING - DON'T ANSWER - DMS	10	0.34	0	0	0	14
5615	WORKITEM	CALL FORWARDING - VARIABLE - 5E	7	0.66	0	0	0	14
5617	WORKITEM	CALL FORWARDING - VARIABLE - 5E	7	0.66	0	0	0	14
5618	WORKITEM	CALL FORWARDING - VARIABLE - DMS	20	0.34	0	0	0	14
5619	WORKITEM	CALL FORWARDING - VARIABLE - DMS	25	0.34	0	0	0	14
5620	WORKITEM	CALL HOLD - 5E	10	0.66	0	0	0	14
5621	WORKITEM	CALL HOLD - 5E	10	0.66	0	0	0	14
5622	WORKITEM	CALL HOLD - DMS	5	0.34	0	0	0	14
5623	WORKITEM	CALL HOLD - DMS	10	0.34	0	0	0	14
5624	WORKITEM	CALL PARK - 5E	20	0.66	0	0	0	14
5625	WORKITEM	CALL PARK - 5E	10	0.66	0	0	0	14
5626	WORKITEM	CALL PARK - DMS	20	0.34	0	0	0	14
5630	WORKITEM	CALL PARK - DMS	25	0.34	0	0	0	14
5631	WORKITEM	CALL PICKUP - 5E	10	0.66	0	0	0	14
5632	WORKITEM	CALL PICKUP - 5E	10	0.66	0	0	0	14
5633	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.66	0	0	0	14
5634	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.66	0	0	0	14
5635	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	25	0.34	0	0	0	14
5636	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	30	0.34	0	0	0	14
5637	WORKITEM	CONFERENCE CALLING - 3 WAY - 5E	7	0.66	0	0	0	14
5638	WORKITEM	CONFERENCE CALLING - 3 WAY - 5E	7	0.66	0	0	0	14
5639	WORKITEM	CONFERENCE CALLING - 6 WAY - 5E	25	0.66	0	0	0	14

5640	WORKITEM	CONFERENCE CALLING - 6 WAY - 5E	20	0.66	0	0	0	14
5641	WORKITEM	CONFERENCE CALLING - 6 WAY - DMS	20	0.34	0	0	0	14
5642	WORKITEM	CONFERENCE CALLING - 6 WAY - DMS	20	0.34	0	0	0	14
5643	WORKITEM	DATA CALL PROTECTION - 5E	10	0.66	0	0	0	14
5644	WORKITEM	DATA CALL PROTECTION - 5E	10	0.66	0	0	0	14
5645	WORKITEM	DATA CALL PROTECTION - DMS	30	0.34	0	0	0	14
5646	WORKITEM	DATA CALL PROTECTION - DMS	30	0.34	0	0	0	14
5647	WORKITEM	DISTINCTIVE CALL WAITING TONE - DMS	30	0.34	0	0	0	14
5648	WORKITEM	DISTINCTIVE CALL WAITING TONE - DMS	30	0.34	0	0	0	14
5649	WORKITEM	EXECUTIVE BUSY OVERRIDE - DMS	30	0.34	0	0	0	14
5650	WORKITEM	EXECUTIVE BUSY OVERRIDE - DMS	40	0.34	0	0	0	14
5651	WORKITEM	HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	30	0.34	0	0	0	14
5652	WORKITEM	HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	40	0.34	0	0	0	14
5653	WORKITEM	INTRASYSTEM CALLING - 5E	10	0.66	0	0	0	14
5654	WORKITEM	INTRASYSTEM CALLING - 5E	10	0.66	0	0	0	14
5655	WORKITEM	LAST NUMBER REDIAL - 5E	5	0.66	0	0	0	14
5666	WORKITEM	LAST NUMBER REDIAL - 5E	10	0.66	0	0	0	14
5656	WORKITEM	LINE RESTRICTIONS - DMS	10	0.34	0	0	0	14
5657	WORKITEM	LINE RESTRICTIONS - DMS	10	0.34	0	0	0	14
5658	WORKITEM	MAKE SET BUSY - DMS	5	0.34	0	0	0	14
5659	WORKITEM	MAKE SET BUSY - DMS	10	0.34	0	0	0	14
5660	WORKITEM	NETWORK SPEED CALL - DMS	135	0.34	0	0	0	14
5661	WORKITEM	NETWORK SPEED CALL - DMS	150	0.34	0	0	0	14
5662	WORKITEM	OUTGOING TRUNK QUEUING - 5E	30	0.66	0	0	0	14
5663	WORKITEM	OUTGOING TRUNK QUEUING - 5E	30	0.66	0	0	0	14
5664	WORKITEM	OUTGOING TRUNK QUEUING - DMS	60	0.34	0	0	0	14
5670	WORKITEM	OUTGOING TRUNK QUEUING - DMS	65	0.34	0	0	0	14
5671	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.66	0	0	0	14
5672	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.66	0	0	0	14
5673	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.34	0	0	0	14
5674	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.34	0	0	0	14
5675	WORKITEM	THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	10	0.34	0	0	0	14
5676	WORKITEM	THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	15	0.34	0	0	0	14
5677	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.66	0	0	0	14
5678	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.66	0	0	0	14
5679	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	35	0.34	0	0	0	14
5680	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	40	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CENTREX COMMON EQUIPMENT						
0	SERVICE	CENTREX COMMON EQUIPMENT						
6500	ADD							
5600	GROUP	**NROC - COMPLEX TRANSLATIONS**						
1	COMMENT	1st probability % by switch type						
5601	WORKITEM	COMMON EQUIPMENT - 5E	215	0.66	0	0	0	14
5602	WORKITEM	COMMON EQUIPMENT - 5E	195	0.66	0	0	0	14
5603	WORKITEM	COMMON EQUIPMENT - DMS	350	0.34	0	0	0	14
5604	WORKITEM	COMMON EQUIPMENT - DMS	595	0.34	0	0	0	14
5605	WORKITEM	AUTOMATIC CALLBACK - 5E	10	0.66	0	0	0	14
5606	WORKITEM	AUTOMATIC CALLBACK - 5E	10	0.66	0	0	0	14
5607	WORKITEM	AUTOMATIC CALLBACK - DMS	15	0.34	0	0	0	14
5608	WORKITEM	AUTOMATIC CALLBACK - DMS	15	0.34	0	0	0	14
5609	WORKITEM	CALL FORWARDING - BUSY LINE - 5E	30	0.66	0	0	0	14
5610	WORKITEM	CALL FORWARDING - BUSY LINE - 5E	30	0.66	0	0	0	14
5611	WORKITEM	CALL FORWARDING - DON'T ANSWER - 5E	30	0.66	0	0	0	14
5612	WORKITEM	CALL FORWARDING - DON'T ANSWER - 5E	30	0.66	0	0	0	14
5613	WORKITEM	CALL FORWARDING - DON'T ANSWER - DMS	10	0.34	0	0	0	14
5614	WORKITEM	CALL FORWARDING - DON'T ANSWER - DMS	10	0.34	0	0	0	14
5615	WORKITEM	CALL FORWARDING - VARIABLE - 5E	7	0.66	0	0	0	14
5617	WORKITEM	CALL FORWARDING - VARIABLE - 5E	7	0.66	0	0	0	14
5618	WORKITEM	CALL FORWARDING - VARIABLE - DMS	20	0.34	0	0	0	14
5619	WORKITEM	CALL FORWARDING - VARIABLE - DMS	25	0.34	0	0	0	14
5620	WORKITEM	CALL HOLD - 5E	10	0.66	0	0	0	14
5621	WORKITEM	CALL HOLD - 5E	10	0.66	0	0	0	14
5622	WORKITEM	CALL HOLD - DMS	5	0.34	0	0	0	14
5623	WORKITEM	CALL HOLD - DMS	10	0.34	0	0	0	14
5624	WORKITEM	CALL PARK - 5E	20	0.66	0	0	0	14
5625	WORKITEM	CALL PARK - 5E	10	0.66	0	0	0	14
5626	WORKITEM	CALL PARK - DMS	20	0.34	0	0	0	14
5630	WORKITEM	CALL PARK - DMS	25	0.34	0	0	0	14
5631	WORKITEM	CALL PICKUP - 5E	10	0.66	0	0	0	14
5632	WORKITEM	CALL PICKUP - 5E	10	0.66	0	0	0	14
5633	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.66	0	0	0	14
5634	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.66	0	0	0	14
5635	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	25	0.34	0	0	0	14
5636	WORKITEM	CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	30	0.34	0	0	0	14
5637	WORKITEM	CONFERENCE CALLING - 3 WAY - 5E	7	0.66	0	0	0	14
5638	WORKITEM	CONFERENCE CALLING - 3 WAY - 5E	7	0.66	0	0	0	14
5639	WORKITEM	CONFERENCE CALLING - 6 WAY - 5E	25	0.66	0	0	0	14

5640	WORKITEM	CONFERENCE CALLING - 6 WAY - 5E	20	0.66	0	0	0	14
5641	WORKITEM	CONFERENCE CALLING - 6 WAY - DMS	20	0.34	0	0	0	14
5642	WORKITEM	CONFERENCE CALLING - 6 WAY - DMS	20	0.34	0	0	0	14
5643	WORKITEM	DATA CALL PROTECTION - 5E	10	0.66	0	0	0	14
5644	WORKITEM	DATA CALL PROTECTION - 5E	10	0.66	0	0	0	14
5645	WORKITEM	DATA CALL PROTECTION - DMS	30	0.34	0	0	0	14
5646	WORKITEM	DATA CALL PROTECTION - DMS	30	0.34	0	0	0	14
5647	WORKITEM	DISTINCTIVE CALL WAITING TONE - DMS	30	0.34	0	0	0	14
5648	WORKITEM	DISTINCTIVE CALL WAITING TONE - DMS	30	0.34	0	0	0	14
5649	WORKITEM	EXECUTIVE BUSY OVERRIDE - DMS	30	0.34	0	0	0	14
5650	WORKITEM	EXECUTIVE BUSY OVERRIDE - DMS	40	0.34	0	0	0	14
5651	WORKITEM	HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	30	0.34	0	0	0	14
5652	WORKITEM	HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	40	0.34	0	0	0	14
5653	WORKITEM	INTRASYSTEM CALLING - 5E	10	0.66	0	0	0	14
5654	WORKITEM	INTRASYSTEM CALLING - 5E	10	0.66	0	0	0	14
5655	WORKITEM	LAST NUMBER REDIAL - 5E	5	0.66	0	0	0	14
5666	WORKITEM	LAST NUMBER REDIAL - 5E	10	0.66	0	0	0	14
5656	WORKITEM	LINE RESTRICTIONS - DMS	10	0.34	0	0	0	14
5657	WORKITEM	LINE RESTRICTIONS - DMS	10	0.34	0	0	0	14
5658	WORKITEM	MAKE SET BUSY - DMS	5	0.34	0	0	0	14
5659	WORKITEM	MAKE SET BUSY - DMS	10	0.34	0	0	0	14
5660	WORKITEM	NETWORK SPEED CALL - DMS	135	0.34	0	0	0	14
5661	WORKITEM	NETWORK SPEED CALL - DMS	150	0.34	0	0	0	14
5662	WORKITEM	OUTGOING TRUNK QUEUING - 5E	30	0.66	0	0	0	14
5663	WORKITEM	OUTGOING TRUNK QUEUING - 5E	30	0.66	0	0	0	14
5664	WORKITEM	OUTGOING TRUNK QUEUING - DMS	60	0.34	0	0	0	14
5670	WORKITEM	OUTGOING TRUNK QUEUING - DMS	65	0.34	0	0	0	14
5671	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.66	0	0	0	14
5672	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.66	0	0	0	14
5673	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.34	0	0	0	14
5674	WORKITEM	SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.34	0	0	0	14
5675	WORKITEM	THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	10	0.34	0	0	0	14
5676	WORKITEM	THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	15	0.34	0	0	0	14
5677	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.66	0	0	0	14
5678	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.66	0	0	0	14
5679	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	35	0.34	0	0	0	14
5680	WORKITEM	TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	40	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	ACCOUNT CODES, PER SYSTEM						
0	SERVICE	ACCOUNT CODES, PER SYSTEM						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	20	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.66	0	0	0	14
5601	WORKITEM	Administration - sw2	60	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	105	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	ATTENDANT ACCESS LINE - PER STATION LINE						
0	SERVICE	ATTENDANT ACCESS LINE - PER STATION LINE						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd probability is % by switch type						
5601	WORKITEM	Administration - sw1	15	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	15	0.005	0.66	0	0	14
5601	WORKITEM	Administration - sw2	15	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	15	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	AUDIBLE MESSAGE WAITING						
0	SERVICE	AUDIBLE MESSAGE WAITING						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	AUTHORIZATION CODES - PER SYSTEM						
0	SERVICE	AUTHORIZATION CODES - PER SYSTEM						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	150	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	140	0.66	0	0	0	14
5601	WORKITEM	Administration - sw2	70	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	100	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	AUTOMATIC LINE, per station line						
0	SERVICE	AUTOMATIC LINE, per station line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	ARS - COMMON EQUIPMENT, per system						
0	SERVICE	ARS - COMMON EQUIPMENT, per system						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	1590	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	1575	0.66	0	0	0	14
5601	WORKITEM	Administration - sw2	125	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	180	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CALL DROP						
0	SERVICE	CALL DROP						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CALL DROP						
0	SERVICE	CALL DROP						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CALL EXCLUSION - AUTOMATIC						
0	SERVICE	CALL EXCLUSION - AUTOMATIC						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CALL EXCLUSION						
0	SERVICE	CALL EXCLUSION						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5604	WORKITEM	Translations - SW1	1	0.66	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE						
0	SERVICE	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT						
0	SERVICE	CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - SERVICE ESTABLSIHMENT						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability % by switch type						
5601	WORKITEM	Administration - DMS	20	0.34	0	0	0	14
5602	WORKITEM	Maintenance - DMS	25	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CALL WAITING INDICATION, per unique timing state, per timing state						
0	SERVICE	CALL WAITING INDICATION, per unique timing state, per timing state						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5603	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CFBL INCOMING ONLY						
0	SERVICE	CFBL INCOMING ONLY						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability % by switch type						
5601	WORKITEM	Administration - 5E	30	0.66	0	0	0	14
5602	WORKITEM	Maintenance - 5E	30	0.66	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CFDA INCOMING ONLY						
0	SERVICE	CFDA INCOMING ONLY						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability % by switch type						
5601	WORKITEM	Administration - 5E	30	0.66	0	0	0	14
5602	WORKITEM	Maintenance - 5E	30	0.66	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CLASS - CONTINUOUS REDIAL, PER NUIMBER						
0	SERVICE	CLASS - CONTINUOUS REDIAL, PER NUIMBER						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd column = % by switch type						
5601	WORKITEM	Administration - sw1	20	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.005	0.66	0	0	14
5601	WORKITEM	Administration - sw2	35	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	40	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CLASS - LAST CALL RETURN, PER NUMBER						
0	SERVICE	CLASS - LAST CALL RETURN, PER NUMBER						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd column = % by switch type						
5601	WORKITEM	Administration - sw1	20	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.005	0.66	0	0	14
5603	WORKITEM	Administration - sw2	35	0.005	0.34	0	0	14
5604	WORKITEM	Maintenance - sw2	45	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CLASS - PRIORITY CALLING, PER NUMBER						
0	SERVICE	CLASS - PRIORITY CALLING, PER NUMBER						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd column = % by switch type						
5601	WORKITEM	Administration - sw1	20	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.005	0.66	0	0	14
5603	WORKITEM	Administration - sw2	20	0.005	0.34	0	0	14
5604	WORKITEM	Maintenance - sw2	20	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CLASS - SELECTIVE CALL FORWARDING, PER NUMBER						
0	SERVICE	CLASS - SELECTIVE CALL FORWARDING, PER NUMBER						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd column = % by switch type						
5601	WORKITEM	Administration - sw1	20	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.005	0.66	0	0	14
5603	WORKITEM	Administration - sw2	35	0.005	0.34	0	0	14
5604	WORKITEM	Maintenance - sw2	40	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CLASS - SELECTIVE CALL REJECTION, PER NUMBER						
0	SERVICE	CLASS - SELECTIVE CALL REJECTION, PER NUMBER						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd column = % by switch type						
5601	WORKITEM	Administration - sw1	20	0.005	0.66	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.005	0.66	0	0	14
5601	WORKITEM	Administration - sw2	20	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	20	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CONFERENCE CALLING - MEET ME - PER SYSTEM						
0	SERVICE	CONFERENCE CALLING - MEET ME - PER SYSTEM						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	25	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.66	0	0	0	14
5603	WORKITEM	Administration - sw2	20	0.34	0	0	0	14
5604	WORKITEM	Maintenance - sw2	20	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CONFERENCE CALLING - PRESET - PER SYSTEM						
0	SERVICE	CONFERENCE CALLING - PRESET - PER SYSTEM						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	25	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	20	0.66	0	0	0	14
5603	WORKITEM	Administration - sw2	20	0.34	0	0	0	14
5604	WORKITEM	Maintenance - sw2	20	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	DIR STA SEL/BUSY LAMP FLD, per arrangement						
0	SERVICE	DIR STA SEL/BUSY LAMP FLD, per arrangement						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	DIRECTED CALL PICK UP BARGE-IN						
0	SERVICE	DIRECTED CALL PICK UP BARGE-IN						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5603	WORKITEM	Translations - 5E	1	0.66	0	0	0	09
5604	WORKITEM	Translations - DMS	1	0.34	0	0	0	09
0	COMMENT							
6500	GROUP	COMPLEX TRANSLATIONS						
1	COMMENT	1st probability is % by switch type						
6501	WORKITEM	Administration - 5E	10	0.66	0	0	0	14
6502	WORKITEM	Maintenance - 5E	10	0.66	0	0	0	14
6503	WORKITEM	Administration - DMS	10	0.34	0	0	0	14
6504	WORKITEM	Maintenance - DMS	10	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	DIRECTED CALL PICKUP WITHOUT BARGE-IN						
0	SERVICE	DIRECTED CALL PICKUP WITHOUT BARGE-IN						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % of switch type						
5601	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % of switch type						
5601	WORKITEM	Administration - SW1	10	0.66	0	0	0	14
5602	WORKITEM	Maintenance - SW1	10	0.66	0	0	0	14
5603	WORKITEM	Administration - SW2	10	0.34	0	0	0	14
5604	WORKITEM	Maintenance - SW2	10	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	DISTINCTIVE RING/DISTINCTIVE CALL WAITING						
0	SERVICE	DISTINCTIVE RING/DISTINCTIVE CALL WAITING						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability is % of switch type						
5601	WORKITEM	Administration - SW1	10	0.66	0	0	0	14
5602	WORKITEM	Maintenance - SW1	10	0.66	0	0	0	14
5603	WORKITEM	Administration - SW2	55	0.34	0	0	0	14
5604	WORKITEM	Maintenance - SW2	30	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	EXPENSIVE ROUTE WARNING TONE - PER SYSTEM						
0	SERVICE	EXPENSIVE ROUTE WARNING TONE - PER SYSTEM						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	40	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	30	0.66	0	0	0	14
5603	WORKITEM	Administration - sw2	45	0.34	0	0	0	14
5604	WORKITEM	Maintenance - sw2	40	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	FACILITY RESTRICTION LEVEL - PER SYSTEM						
0	SERVICE	FACILITY RESTRICTION LEVEL - PER SYSTEM						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	40	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	30	0.66	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	GROUP INTERCOM - PER LINE						
0	SERVICE	GROUP INTERCOM - PER LINE						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is average number of lines (200 lines in a system)						
2	COMMENT	2nd probability is % by switch type						
5601	WORKITEM	Administration - sw2	15	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	15	0.005	0.34	0	0	14
5603	WORKITEM	Administration - SW1	10	0.005	0.66	0	0	14
5604	WORKITEM	Maintenance - SW1	10	0.005	0.66	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	HOT LINE - per line equipped, per line						
0	SERVICE	HOT LINE - per line equipped, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st column = times per line						
2	COMMENT	2nd column = % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5603	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	HUNTING - MULTIPOSITION HUNT QUEUING - per group						
0	SERVICE	HUNTING - MULTIPOSITION HUNT QUEUING - per group						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	30	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	30	0.66	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE						
0	SERVICE	HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
2	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	30	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	30	0.66	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE						
0	SERVICE	HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
2	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	30	0.66	0	0	0	09
5603	WORKITEM	Translations - SW1	30	0.66	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	ISDN SHORT HUNT						
0	SERVICE	ISDN SHORT HUNT						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5602	WORKITEM	Translations - SW2	3	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	LOUDSPEAKER PAGING TRUNK SIDE, per group						
0	SERVICE	LOUDSPEAKER PAGING TRUNK SIDE, per group						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	105	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	80	0.66	0	0	0	14
5601	WORKITEM	Administration - sw2	85	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	95	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	MAKE BUSY ARRANGEMENTS, per group						
0	SERVICE	MAKE BUSY ARRANGEMENTS, per group						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	MAKE BUSY ARRANGEMENTS, per line						
0	SERVICE	MAKE BUSY ARRANGEMENTS, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	MESSAGE CENTER - per main station line, per line						
0	SERVICE	MESSAGE CENTER - per main station line, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	MESSAGE WAITING VISUAL, per line						
0	SERVICE	MESSAGE WAITING VISUAL, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	MUSIC ON HOLD - per system						
0	SERVICE	MUSIC ON HOLD - per system						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw2	35	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	35	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	PRIVACY RELEASE, per station line						
0	SERVICE	PRIVACY RELEASE, per station line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	Time is 20/20 time per system of 200 lines with 50% penetration,divisor 100						
2	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw2	0.2	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	0.2	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	QUERY TIME, per station line						
0	SERVICE	QUERY TIME, per station line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	TIME OF DAY CONTROL FOR ARS - PER SYSTEM						
0	SERVICE	TIME OF DAY CONTROL FOR ARS - PER SYSTEM						
6500	ADD							
5600	GROUP	NROC						
1	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Administration - sw1	85	0.66	0	0	0	14
5602	WORKITEM	Maintenance - sw1	60	0.66	0	0	0	14
5601	WORKITEM	Administration - sw2	30	0.34	0	0	0	14
5602	WORKITEM	Maintenance - sw2	75	0.34	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	TIME OF DAY NCOS UPDATED, PER MAIN STATION						
0	SERVICE	TIME OF DAY NCOS UPDATED, PER MAIN STATION						
6500	ADD							
5600	GROUP	RCMAC						
2	COMMENT	1st probability is % by switch type						
5601	WORKITEM	Translations - SW1	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is times per system divided by 200 lines in system						
2	COMMENT	2nd probability is % by switch type						
5601	WORKITEM	Administration - SW2	60	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - SW2	60	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	TIME OF DAY ROUTING, per line						
0	SERVICE	TIME OF DAY ROUTING, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st proability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is times per system divided by 200 lines in system						
2	COMMENT	2nd probability is % by switch type						
5601	WORKITEM	Administration - sw2	30	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	75	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED						
0	SERVICE	TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
5600	GROUP	NROC						
1	COMMENT	1st probability is times per system divided by 200 lines in system						
2	COMMENT	2nd probability is % by switch type						
5601	WORKITEM	Administration - sw2	15	0.005	0.34	0	0	14
5602	WORKITEM	Maintenance - sw2	15	0.005	0.34	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line						
0	SERVICE	UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line						
6500	ADD							
5600	GROUP	RCMAC						
1	COMMENT	1st probability is % by switch type						
5602	WORKITEM	Translations - SW1	1	0.66	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION						
0	SERVICE	CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION						
6500	ADD							
5600	GROUP	CUSTOMER COMMUNICATIONS TECHNICIAN						
1	COMMENT	1st column = time						
2	COMMENT	2nd column = occurrence						
5601	WORKITEM	Initial training	240	1	0	0	0	09
5602	WORKITEM	Follow up training - Clarify & cover features	120	1	0	0	0	09
5603	WORKITEM	Cover enhance to software package	120	1	0	0	0	09
5604	WORKITEM	Loading CCRS database - Initial system	480	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION						
0	SERVICE	CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION						
6500	ADD							
5600	GROUP	CUSTOMER COMMUNICATIONS TECH						
1	COMMENT	1st column = time for system establishment						
2	COMMENT	2nd column = occurrence						
5601	WORKITEM	Loading CCRS database	480	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	CMS - PACKET CONTROL CAPABILITY, PER SYSTEM						
0	SERVICE	CMS - PACKET CONTROL CAPABILITY, PER SYSTEM						
6500	ADD							
5600	GROUP	CUSTOMER COMMUNICATIONS TECH						
1	COMMENT	1st column = time for system establishment						
2	COMMENT	2nd column = occurrence						
5601	WORKITEM	System installation	480	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION						
0	SERVICE	SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION						
6500	ADD							
5600	GROUP	BUS/GOV SERVICE CENTER						
1	COMMENT	Additional time required to establish SMDR-P per centrex System						
2	COMMENT	Interface with customer, gather required information, negotiate due dates						
2	COMMENT	Prob #1 = Probability of occurrence						
5601	WORKITEM	Negotiate feature establishment	30	1	0	0	0	01
0	COMMENT							
1	COMMENT	Issue form RG41-0057 to complex translations to provision service and						
1	COMMENT	to BGS carrier service delivery system to validate numbers and build						
1	COMMENT	SMDR tables						
2	COMMENT	Prob #1 = Probability of occurrence						
5602	WORKITEM	Comp & issue Form RG41-0057	30	1	0	0	0	01
0	COMMENT							
1	COMMENT	Additional service order time to establish billing						
2	COMMENT	Prob #1 = Probability of occurrence						
5603	WORKITEM	Issue service order	5	1	0	0	0	01
0	COMMENT							
5700	GROUP	UNIQUE PRODUCT & SERVICE GROUP						
1	COMMENT	Carrier service delivery system - Customer Communications Tech						
2	COMMENT	Time required to build SMDR table from Form RG41-0057						
3	COMMENT	Prob #1 = Probability of occurrence						
5701	WORKITEM	Build Table	240	1	0	0	0	07
0	COMMENT							
6500	GROUP	COMPLEX TRANSLATIONS - NROC - ADMINISTRATION						
1	COMMENT	Prob #1 = Probability of occurrence						
6501	WORKITEM	Administrative	15	1	0	0	0	14
0	COMMENT							
6500	GROUP	COMPLEX TRANSLATIONS - NROC - MAINTENANCE						
1	COMMENT	Prob #1 = Probability of occurrence						
6502	WORKITEM	Maintenance	45	1	0	0	0	14
0	COMMENT							
2400	GROUP	SERVICE ORDER ENTRY CENTER						
1	COMMENT	Additional order entry time						
2	COMMENT	Prob #1 = % of time additional order entry time is required						
3	COMMENT	Prob #2 = % of time manual order entry is required						
2401	WORKITEM	Cent Sys Feature per feature	5	1	1	0	0	01
0	COMMENT							
1000	DISCONNECT							

5600	GROUP	BGS/GOV CENTER						
1	COMMENT	Additional service order time to change billing						
2	COMMENT	Prob #1 = Probability of occurrence						
5610	WORKITEM	Issue Disconnect service order	5	1	0	0	0	01
0	COMMENT							
2400	GROUP	SERVICE ORDER ENTRY CENTER						
1	COMMENT	Additional order entry time						
2	COMMENT	Prob #1 = % of time additional order entry time is required						
3	COMMENT	Prob #2 = % of time manual order entry is required						
2411	WORKITEM	Disc Cent Sys Feature per feature	5	1	0	0	0	01

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	SMDR-P - ARCHIVED DATA						
0	SERVICE	SMDR-P - ARCHIVED DATA						
6500	ADD							
5600	GROUP	CCT - COMM CUST TECH						
1	COMMENT	Rep takes the request and prepares paperwork						
2	COMMENT	Prob #1 = Probability of occurrence						
5601	WORKITEM	SMDR-P paperwork per request	45	1	0	0	0	09
0	COMMENT							
1	COMMENT	MANAGER						
2	COMMENT	Grade 4 manager coordinates work flow & delivery						
2	COMMENT	Prob #1 = Probability of occurrence						
5602	WORKITEM	SMDR work flow	60	1	0	0	0	43
0	COMMENT							
1	COMMENT	CSA - Computer Systems Administrator						
2	COMMENT	Prob #1 = Probability of occurrence						
5603	WORKITEM	Tape Transfers	60	1	0	0	0	35

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	SUBSEQUENT ORDER CHARGE						
0	SERVICE	SUBSEQUENT ORDER CHARGE						
6500	ADD							
100	GROUP	ISC - INTERCONNECT SERVICE CENTER						
101	WORKITEM	PROVISION SUBSEQUESNT ORDER	15	1	0	0	0	01

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	BRI ISDN DIGITAL LINE PORT						
0	SERVICE	BRI ISDN DIGITAL LINE PORT						
6500	ADD							
100	GROUP	**INTERCONNECTION SERVICE CENTER**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = 50% of the accounts will have directory advertising						
101	WORKITEM	Review LSR for completeness & accuracy	0.5	1	0	0	0	01
102	WORKITEM	Verifies CFA in TIRKS	2.5	1	0	0	0	01
103	WORKITEM	Type order & installation option	2.5	1	0	0	0	01
104	WORKITEM	Verify if USW svc is to be disconnect	1	1	0	0	0	01
105	WORKITEM	Determine if end user has USW Directory Ad	1	1	0	0	0	01
106	WORKITEM	Determine if end user has USW retail contract	1	1	0	0	0	01
107	WORKITEM	Validate switch location & port available	5	1	0	0	0	01
108	WORKITEM	Obtain telephone numbers	5	1	0	0	0	01
109	WORKITEM	Determine critical dates	2	1	0	0	0	01
110	WORKITEM	Remove DA from account	3	0.5	0	0	0	01
111	WORKITEM	Review Firm Order Commitment	1	1	0	0	0	01
112	WORKITEM	Input Unbundled port order so process	10	1	0	0	0	01
0	COMMENT							
6000	GROUP	**LOOP PROVISIONING CENTER**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = % of orders manually assigned includes orders not assigned in FACS.						
2402	WORKITEM	Clearing time per RMA	11.25	0.4	0	0	0	07
0	COMMENT							
2600	GROUP	**RCMAC**						
1	COMMENT	Prob #1 = times						
2	COMMENT	prob #2 = % by switch type						
2602	WORKITEM	Translations - SW1	10	0.66	0	0	0	09
2603	WORKITEM	Translations - SW2	7	0.34	0	0	0	09
0	COMMENT							
1000	GROUP	**DESIGNED SERVICE CENTER - DESIGN**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = % of order items that require manual processing						
1001	WORKITEM	Order handling/screening	5	0.2	0	0	0	05
1002	WORKITEM	GOC order log	6	0.2	0	0	0	05
1003	WORKITEM	Enter WA mask	5	0.8	0	0	0	05
1004	WORKITEM	Circuit design	30	1	0	0	0	05
1006	WORKITEM	Distribute WORD doc	2	0.9	0	0	0	05
0	COMMENT							
400	GROUP	**CENTRAL OFFICE TECHNICIAN - LNO/CO**						

1	COMMENT	Prob #1 = times						
401	WORKITEM	Analyze Order	5	1	0	0	0	09
403	WORKITEM	Complete Cross-Connect	4	1	0	0	0	09
404	WORKITEM	Perform Comformance testing	7	1	0	0	0	09
405	WORKITEM	Complete DD work status with CCT-I	3	1	0	0	0	09
406	WORKITEM	Post DVA work complete in WFA-DI	2	1	0	0	0	09
0	COMMENT							
500	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
1	COMMENT	Prob #1 = times						
501	WORKITEM	Screen Work Force Administration for Circuit	5	1	0	0	0	09
502	WORKITEM	Verify LNO completion	5	1	0	0	0	09
503	WORKITEM	Monitor Performance testing	15	1	0	0	0	09
504	WORKITEM	Notify Co-Provider of work completion	5	1	0	0	0	09
505	WORKITEM	Post Order Complete in Work Force Administration- Control Module	10	1	0	0	0	09
0	COMMENT							
300	GROUP	**CORAC/DISPATCH CENTER**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = CRON'd fallout (manual load)						
301	WORKITEM	Screen Order	2	0.15	0	0	0	07
302	WORKITEM	Load work request to Technician	5	0.15	0	0	0	07
303	WORKITEM	Closeout work request with Technician	3	0.15	0	0	0	07
0	COMMENT							
2600	GROUP	**RCMAC**						
1	COMMENT	1st probability is % by switch type						
2601	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - 5E	8	0.66	0	0	0	09
2602	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - DMS	8	0.34	0	0	0	09
2603	WORKITEM	CALL APPEARANCE - 5E	1	0.66	0	0	0	09
2604	WORKITEM	CALL APPEARANCE - DMS	1	0.34	0	0	0	09
2605	WORKITEM	CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.66	0	0	0	09
2606	WORKITEM	CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.34	0	0	0	09
2607	WORKITEM	D CHANNEL PACKET SWITCHED DATA - 5E	8	0.66	0	0	0	09
2608	WORKITEM	D CHANNEL PACKET SWITCHED DATA - DMS	8	0.34	0	0	0	09
2609	WORKITEM	ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.66	0	0	0	09
2610	WORKITEM	ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.66	0	0	0	09
2611	WORKITEM	RINGING NORMAL - DMS	1	0.34	0	0	0	09
2612	WORKITEM	X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.66	0	0	0	09
2613	WORKITEM	X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.34	0	0	0	09
2614	WORKITEM	X.25 LOGICAL CHANNELS - 5E	1	0.66	0	0	0	09
2615	WORKITEM	X.25 LOGICAL CHANNELS - DMS	1	0.34	0	0	0	09
2616	WORKITEM	X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E	1	0.66	0	0	0	09
2617	WORKITEM	X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.34	0	0	0	09
0	COMMENT							

2400	GROUP	**COMPLEX TRANSLATIONS**						
1	COMMENT	1st probability is % by switch type						
2	COMMENT	2nd probability weighting of SLS line counts to ISDN equipped Central Offices						
2	COMMENT	(137,938 lines to 382 central offices)						
2401	WORKITEM	COMMON BLOCK - 5E	10	0.66	0.003	0	0	14
2402	WORKITEM	COMMON BLOCK - 5E	10	0.66	0.003	0	0	14
2403	WORKITEM	COMMON BLOCK - DMS	335	0.34	0.003	0	0	14
2404	WORKITEM	COMMON BLOCK - DMS	580	0.34	0.003	0	0	14
2405	WORKITEM	D CHANNEL PACKET SWITCHED DATA - DMS	15	0.34	0.003	0	0	14
2406	WORKITEM	D CHANNEL PACKET SWITCHED DATA - DMS	10	0.34	0.003	0	0	14
2407	WORKITEM	CALLER ID BLOCKING, PER BRS - DMS	10	0.34	0.003	0	0	14
2408	WORKITEM	CALLER ID BLOCKING, PER BRS - DMS	5	0.34	0.003	0	0	14
0	COMMENT							
1	COMMENT	1st probability is % of time this product requires complex translations work						
2	COMMENT	2nd probability average numbe of buttons per configuration group						
3	COMMENT	3rd probability weighting of SLS line counts to ISDN equipped Central Offices						
3	COMMENT	(137,938 lines to 382 central offices)						
5619	WORKITEM	CONFIGURATION GROUP - ADMINISTRATION	30	1	0.06	0.003	0	14
5618	WORKITEM	PER BUTTON - ADMINISTRATION	7	1	0	0.003	0	14
5617	WORKITEM	CONFIGURATION GROUP - MAINTENANCE	30	1	0.06	0.003	0	14
5616	WORKITEM	PER BUTTON - MAINTENANCE	5	1	0	0.003	0	14
0	COMMENT							
6500	DISCONNECT							
100	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = times						
150	WORKITEM	Review LSR for completeness & accuracy	1	1	0	0	0	01
151	WORKITEM	Verify existing account and close bill	2	1	0	0	0	01
152	WORKITEM	Input disconnect of port	8	1	0	0	0	01
0	COMMENT							
2400	GROUP	**LOOP PROVISIONING CENTER**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = % of orders manually assigned includes orders not assigned in FACS.						
2402	WORKITEM	Clearing time per RMA	11.25	0.4	0	0	0	07
0	COMMENT							
2600	GROUP	**RCMAC**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = % by switch type						
2603	WORKITEM	Translations - SW1	1	0.66	0	0	0	09
2604	WORKITEM	Translations - SW2	1	0.34	0	0	0	09
0	COMMENT							
1000	GROUP	**DESIGNED SERVICE CENTER - DESIGN**						
1	COMMENT	Prob #1 = times						

2	COMMENT	Prob #2 = % of orders requiring manual processing						
1001	WORKITEM	ORDER HANDLING/SCREENING	5	0.1	0	0	0	05
1002	WORKITEM	GOC ORDER LOG	6	0.1	0	0	0	05
1003	WORKITEM	ENTER WA MASK	5	0.1	0	0	0	05
1004	WORKITEM	DISCONNECT CIRCUIT	5	0.1	0	0	0	05
1005	WORKITEM	DISTRIBUTE WORD DOC	2	0.1	0	0	0	05
0	COMMENT							
500	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
1	COMMENT	Prob #1 = times						
501	WORKITEM	Screen Work Force Administration for Circuit for order accuracy	5	1	0	0	0	09
502	WORKITEM	Contact Co-Provider	5	1	0	0	0	09
503	WORKITEM	Complete order in Work Force Administration - Control Module	5	1	0	0	0	09
0	COMMENT							
400	GROUP	**CENTRAL OFFICE TECHNICIAN - LNO/CO**						
1	COMMENT	Prob #1 = times						
401	WORKITEM	Analyze Order	5	1	0	0	0	09
402	WORKITEM	Remove Cross - connect	2.3	1	0	0	0	09
403	WORKITEM	Complete work request in Work Force Administration - Dispatch In Module	2	1	0	0	0	09
	COMMENT							
2600	GROUP	**RCMAC**						
1	COMMENT	1st probability is % by switch type						
2610	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.66	0	0	0	09
2611	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.34	0	0	0	09
2612	WORKITEM	CALL APPEARANCE - 5E	1	0.66	0	0	0	09
2613	WORKITEM	CALL APPEARANCE - DMS	1	0.34	0	0	0	09
2614	WORKITEM	CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.66	0	0	0	09
2615	WORKITEM	CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.34	0	0	0	09
2617	WORKITEM	D CHANNEL PACKET SWITCHED DATA - 5E	1	0.66	0	0	0	09
2618	WORKITEM	D CHANNEL PACKET SWITCHED DATA - DMS	1	0.34	0	0	0	09
2619	WORKITEM	ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.66	0	0	0	09
2620	WORKITEM	ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.66	0	0	0	09
2621	WORKITEM	RINGING NORMAL - DMS	1	0.34	0	0	0	09
2622	WORKITEM	X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.66	0	0	0	09
2624	WORKITEM	X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.34	0	0	0	09
2626	WORKITEM	X.25 LOGICAL CHANNELS - 5E	1	0.66	0	0	0	09
2628	WORKITEM	X.25 LOGICAL CHANNELS - DMS	1	0.34	0	0	0	09
2629	WORKITEM	X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E	1	0.66	0	0	0	09
2630	WORKITEM	X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**MESSAGE TRUNK GROUP, FIRST TRUNK**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrences						
1001	WORKITEM	Analysis of request	5	1	0	0	0	01
1002	WORKITEM	Validate Connecting Facilities Arrangement / Network Channel-Network Channel Interface	2	1	0	0	0	01
1003	WORKITEM	Validate switch location	10	1	0	0	0	01
1004	WORKITEM	Obtain Trunk Group Number and Route Index	20	1	0	0	0	01
1005	WORKITEM	Obtain Tele # / DID # Blocks	10	1	0	0	0	01
1006	WORKITEM	Determine Critical Dates	5	1	0	0	0	01
1007	WORKITEM	Confirm (Firm Order Confirmation) Local Service Request	5	1	0	0	0	01
1008	WORKITEM	Check for Service Order Analysis and Control errors	5	1	0	0	0	01
1009	WORKITEM	Order completion	5	1	0	0	0	01
1010	WORKITEM	Issue service order	15	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order handling/screening	5	0.2	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.2	0.042	0	0	05
6007	WORKITEM	Enter Work Authorization Mask	5	0.1	0.042	0	0	05
6003	WORKITEM	Circuit Design	20	0.1	0.042	0	0	05
6004	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
6010	WORKITEM	Screen Work Force Administration-Control Module for order accuracy	10	1	0	0	0	09
6011	WORKITEM	Complete Performance Testing	45	1	0	0	0	09
6012	WORKITEM	Notify co-provider of work completion	5	1	0	0	0	09
6013	WORKITEM	Post order complete in Work Force Administration - Control Module	10	1	0	0	0	09
0	COMMENT							
6500	GROUP	**NROC - COMPLEX TRANSLATIONS - TRUNK GROUP**						
1	COMMENT	Prob #1 = .50 probability is % of orders establishing a new trunk group						
6501	WORKITEM	Assign Trunk Group Number	10	0.5	0	0	0	14
6502	WORKITEM	Analyze Access Service Request/Translations Questionnaire	10	0.5	0	0	0	14
6503	WORKITEM	Build New Trunk Group	20	0.5	0	0	0	14
0	COMMENT							
6500	GROUP	**NROC - COMPLEX TRANSLATIONS - ROUTE INDEX**						
1	COMMENT	Prob #1 = .50 probability is % of orders establishing a new trunk group						
6505	WORKITEM	Assign Route Index	10	0.5	0	0	0	14
0	COMMENT							

6500	GROUP	**NROC - COMPLEX TRANSLATIONS - TESTING**						
1	COMMENT	Prob #1 = .50 probability is % of orders establishing a new trunk group						
6506	WORKITEM	Perform test call	5	0.5	0	0	0	14
6507	WORKITEM	Complete work item in Work Force Administration - Dispatch Module	5	0.5	0	0	0	14
0	COMMENT							
1	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrence						
1021	WORKITEM	Analysis of request	5	1	0	0	0	01
1022	WORKITEM	Verify existing account activity	2	1	0	0	0	01
1023	WORKITEM	Check for Service Order Analysis and Control errors	5	1	0	0	0	01
1024	WORKITEM	Order completion	5	1	0	0	0	01
1025	WORKITEM	Issue service order	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order screening/handling	5	0.1	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.1	0.042	0	0	05
6003	WORKITEM	Enter Work Authorization Mask	5	0.1	0.042	0	0	05
6004	WORKITEM	Disconnect Circuit	5	0.1	0.042	0	0	05
6005	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
6010	WORKITEM	Screen Work Force Administration-Control Module for order accuracy	5	1	0	0	0	09
6011	WORKITEM	Contact Co-Provider	5	1	0	0	0	09
6012	WORKITEM	Complete Circuit in Work Force Adminstration - Control Module	5	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**MESSAGE TRUNK GROUP, EACH ADDITIONAL**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	PROB #1 = occurrences						
1001	WORKITEM	Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	0.25	1	0	0	0	01
1002	WORKITEM	Obtain Telephone #/DID number blocks	10	0.5	0	0	0	01
1003	WORKITEM	Order completion	5	1	0	0	0	01
1004	WORKITEM	Check for Service Order Analysis and Control	5	1	0	0	0	01
1005	WORKITEM	Issue Service order	3	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order handling/screening	5	0.2	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.2	0.042	0	0	05
6007	WORKITEM	Enter Work Authorization maask	5	0.1	0.042	0	0	05
6003	WORKITEM	Circuit Design	20	0.1	0.042	0	0	05
6004	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
6010	WORKITEM	Screen Work Force Administration for circuit	5	1	0	0	0	09
6011	WORKITEM	Complete perfomance testing	6	1	0	0	0	09
6013	WORKITEM	Post order complete in Work Force Administration - Control Module	1	1	0	0	0	09
1	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	PROB #1 = occurrences						
1020	WORKITEM	Check for Service Order Analysis and Control for errors	5	1	0	0	0	01
1021	WORKITEM	Order completion	5	1	0	0	0	01
1022	WORKITEM	Issue Service order	3	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order screening/handling	5	0.1	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.1	0.042	0	0	05
6003	WORKITEM	Enter Work Authorization maask	5	0.1	0.042	0	0	05
6004	WORKITEM	Disconnect Circuit	5	0.1	0.042	0	0	05
6005	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						

6010	WORKITEM	Screen Work Force Administration - Control Module for order accuracy	5	1	0	0	0	09
6012	WORKITEM	Complete circuit in Work Force Administration - Control Module	5	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**DS1 PRI ISDN TRUNK PORT**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrences						
1001	WORKITEM	Analysis of request for accuracy	5	1	0	0	0	01
1002	WORKITEM	Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	2	1	0	0	0	01
1003	WORKITEM	Name Common Language Facility & establish Facility Equipment Planning system Model	10	1	0	0	0	01
1004	WORKITEM	Determine critical dates	5	1	0	0	0	01
1005	WORKITEM	Confirm (Firm Order Confirmation) Local Service Request	5	1	0	0	0	01
1006	WORKITEM	Check for Service Order Analysis and Control errors	15	1	0	0	0	01
1007	WORKITEM	Order Completion	5	1	0	0	0	01
1008	WORKITEM	Complete complex translations form	15	1	0	0	0	01
1009	WORKITEM	Issue Service order	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
6002	WORKITEM	Order Handling/screening	5	0.2	0	0	0	05
6003	WORKITEM	Generic Order Control order log	6	0.2	0	0	0	05
6005	WORKITEM	Enter Work Authorization mask	5	0.8	0	0	0	05
6006	WORKITEM	Circuit Design	30	1	0	0	0	05
6007	WORKITEM	Distribute Word Doc	2	0.9	0	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
2	COMMENT	Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6010	WORKITEM	Screen Work Force Administration for circuit	5	0.042	0	0	0	09
6011	WORKITEM	Verify LNO completion	5	0.042	0	0	0	09
6012	WORKITEM	Set DS1 Trans. Opts in Switch and add TG members	20	0.042	0	0	0	09
6013	WORKITEM	Monitor performance testing	15	0.042	0	0	0	09
6014	WORKITEM	Notify co-provider of work completion	5	0.042	0	0	0	09
6015	WORKITEM	Post order complet in Work Force Administration - Control Module	10	0.042	0	0	0	09
0	COMMENT							
4000	GROUP	**CENTRAL OFFICE TECHNICIAN**						
1	COMMENT	Prob #1 = occurrences						
4001	WORKITEM	Analyze order	5	1	0	0	0	09
4002	WORKITEM	Complete cross connect	10	1	0	0	0	09
4003	WORKITEM	Perform conformance testing	15	1	0	0	0	09
4004	WORKITEM	Complete DD work status with CCT-I	3	1	0	0	0	09
4005	WORKITEM	Post DVA work complete in WFA-DI	2	1	0	0	0	09
0	COMMENT							
300	GROUP	**CORAC/DISPATCH CENTER**						

1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = CRON'd fallout (manual load)						
301	WORKITEM	Screen Order	2	0.15	0	0	0	07
302	WORKITEM	Load work request to Technician	5	0.15	0	0	0	07
303	WORKITEM	Closeout work request with Technician	3	0.15	0	0	0	07
0	COMMENT							
6501	GROUP	**NROC - COMPLEX TRANSLATIONS**						
1	COMMENT	Translations for building PRI Trunk Groups						
2	COMMENT	Prob #1 = % of time this product requires complex translation work						
3	COMMENT	Prob #2 = % DMS switch type						
1	WORKITEM	TABLE LTDEF	20	1	0.34	0	0	14
2	WORKITEM	TABLE LTMAP	15	1	0.34	0	0	14
3	WORKITEM	TABLE LTDATA	20	1	0.34	0	0	14
4	WORKITEM	TABLE LTCALLS	25	1	0.34	0	0	14
5	WORKITEM	TABLE IBNRTE	30	1	0.34	0	0	14
6	WORKITEM	TABLE CIRTGRPS	25	1	0.34	0	0	14
7	WORKITEM	TABLE OFRT	20	1	0.34	0	0	14
8	WORKITEM	TABLE DNROUTE	20	1	0.34	0	0	14
0	COMMENT							
6501	GROUP	**COMPLEX TRANSLATIONS**						
1	COMMENT	Translations for building PRI Trunk Groups						
2	COMMENT	Prob #1 = % of time this product requires complex translation work						
3	COMMENT	Prob #2 = % DMS switch type						
1	WORKITEM	TABLE TRKGRP	35	1	0.34	0	0	14
2	WORKITEM	TABLE TRKSGRP	30	1	0.34	0	0	14
0	COMMENT							
6501	GROUP	**COMPLEX TRANSLATIONS**						
1	COMMENT	Prob #1 = % of time this product requires complex translations for a						
1	COMMENT	DEDICATED PRI - 23B+D CONFIGURATION - 5E						
2	COMMENT	Prob #2 = % 5E switch type						
6501	WORKITEM	PRI interface group per D Channel	10	1	0.66	0	0	14
6502	WORKITEM	D Channel Trunk Group	35	1	0.66	0	0	14
6503	WORKITEM	Per B Channel Trunk Group	140	1	0.66	0	0	14
6504	WORKITEM	Per Route Index	45	1	0.66	0	0	14
6505	WORKITEM	Alernate RI for data	45	1	0.66	0	0	14
0	COMMENT							
110	GROUP	**COMPLEX TRANSLATIONS - INPUT**						
1	COMMENT	Prob #1 = % of time this product requires complex translations for a						
1	COMMENT	DEDICATED PRI - 23B+D CONFIGURATION - 5E						
2	COMMENT	Prob #2 = % 5E switch type						
6506	WORKITEM	PRI interface group per D Channel	5	1	0.66	0	0	14
6507	WORKITEM	D Channel Trunk Group	25	1	0.66	0	0	14

6508	WORKITEM	Per B Channel Trunk Group	100	1	0.66	0	0	14
6509	WORKITEM	Per Route Index	30	1	0.66	0	0	14
6510	WORKITEM	Alternate RI for data	30	1	0.66	0	0	14
0	COMMENT							
2400	GROUP	**RCMAC**						
2	COMMENT	1st probability is % by switch type						
2401	WORKITEM	CALLING NUMBER IDENTIFICATION - 5E	1	0.66	0	0	0	09
2402	WORKITEM	CALLING NUMBER IDENTIFICAITON - DMS	1	0.34	0	0	0	09
2403	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.66	0	0	0	09
2404	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.34	0	0	0	09
2405	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - INPUT - DMS	10	0.34	0	0	0	09
2406	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - DESIGN - DMS	5	0.34	0	0	0	09
2407	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - 5E	8	0.66	0	0	0	09
2408	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - DMS	8	0.34	0	0	0	09
0	COMMENT							
6500	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrences						
1020	COMMENT	Analysis of request for accuracy	5	1	0	0	0	01
1021	WORKITEM	Verify existing account and close bill	2	1	0	0	0	01
1022	WORKITEM	Check for Service Order Analysis and Control errors	5	1	0	0	0	01
1023	WORKITEM	Order Completion	5	1	0	0	0	01
1012	WORKITEM	Issue Service order	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
6001	WORKITEM	Order handling/screening	5	0.1	0	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.1	0	0	0	05
6003	WORKITEM	Enter Work Authorization mask	5	0.1	0	0	0	05
6004	WORKITEM	Disconnect Circuit	5	0.1	0	0	0	05
6005	WORKITEM	Distribute Word Doc	2	0.1	0	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
2	COMMENT	Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6010	WORKITEM	Screen Work Force Administration for circuit	5	0.042	0	0	0	09
6011	WORKITEM	Contact co-provider	5	0.042	0	0	0	09
6012	WORKITEM	Complete circuit in Work Force Administration - Control Module	5	0.042	0	0	0	09
0	COMMENT							
4000	GROUP	**CENTRAL OFFICE TECHNICIAN**						
1	COMMENT	Prob #1 = occurrences						
4001	WORKITEM	Analyze order	5	1	0	0	0	09
4002	WORKITEM	Remove Cross Connect	2.3	1	0	0	0	09

4004	WORKITEM	Complete order in Work Force Administration - Dispatch In Module	2	1	0	0	0	09
0	COMMENT							
100	GROUP	**COMPLEX TRANSLATIONS**						
1	COMMENT	Prob #1 = % of time this product requires complex translations for a						
1	COMMENT	DEDICATED PRI - 23B+D CONFIGURATION - 5E						
2	COMMENT	2nd probability is % by switch type						
6511	WORKITEM	PRI interface group per D Channel	5	1	0.66	0	0	14
6512	WORKITEM	D Channel Trunk Group	10	1	0.66	0	0	14
6513	WORKITEM	Per B Channel Trunk Group	40	1	0.66	0	0	14
6514	WORKITEM	Per Route Index	15	1	0.66	0	0	14
6515	WORKITEM	Alternate RI for data	15	1	0.66	0	0	14
0	COMMENT							
110	GROUP	**COMPLEX TRANSLATIONS - INPUT**						
1	COMMENT	Prob #1 = % of time this product requires complex translations for a						
1	COMMENT	DEDICATED PRI - 23B+D CONFIGURATION - 5E						
2	COMMENT	2nd probability is % by switch type						
6516	WORKITEM	PRI interface group per D Channel	5	1	0.66	0	0	14
6517	WORKITEM	D Channel Trunk Group	5	1	0.66	0	0	14
6518	WORKITEM	Per B Channel Trunk Group	20	1	0.66	0	0	14
6519	WORKITEM	Per Route Index	15	1	0.66	0	0	14
6520	WORKITEM	Alternate RI for data	15	1	0.66	0	0	14
0	COMMENT							
2400	GROUP	**RCMAC**						
1	COMMENT	1st probability is % by switch type						
2420	WORKITEM	CALLING NUMBER IDENTIFICATION - 5E	1	0.66	0	0	0	09
2421	WORKITEM	CALLING NUMBER IDENTIFICAITON - DMS	1	0.34	0	0	0	09
2422	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.66	0	0	0	09
2423	WORKITEM	CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.34	0	0	0	09
2424	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.66	0	0	0	09
2425	WORKITEM	B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.34	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**DS1 / DID TRUNK PORT**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = Occurrences						
1001	WORKITEM	Analysis of request for accuracy	5	1	0	0	0	01
1002	WORKITEM	Validate Connecting Facilities Arrangement, Network Conections	2	1	0	0	0	01
1003	WORKITEM	Name Common Language Facility & establish Facility Equipment Planning System	10	1	0	0	0	01
1004	WORKITEM	Determine Critical Dates	5	1	0	0	0	01
1005	WORKITEM	Confirm (Firm Order Confirmation) Local Service Request	5	1	0	0	0	01
1006	WORKITEM	Issue service order	15	1	0	0	0	01
1007	WORKITEM	Check for Service Order Analysis and Control	5	1	0	0	0	01
1008	WORKITEM	Order Completion	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
6002	WORKITEM	Order handling/screening	5	0.2	0	0	0	05
6003	WORKITEM	Generic Order Control log order	6	0.2	0	0	0	05
6005	WORKITEM	Enter Work Authorization mask	5	0.8	0	0	0	05
6006	WORKITEM	Circuit design	30	1	0	0	0	05
6007	WORKITEM	Distribute Word documents	2	0.9	0	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
1	COMMENT	Prob #1 = occurrences						
6010	WORKITEM	Screen Work Force Authorization for circuit	5	1	0	0	0	09
6011	WORKITEM	Verify Local Network Operations for completion	5	1	0	0	0	09
6013	WORKITEM	Monitor performance testing	15	1	0	0	0	09
6014	WORKITEM	Nortify co-provider of work completion	5	1	0	0	0	09
6015	WORKITEM	Post order complete in Work Force Administration - control Module	10	1	0	0	0	09
0	COMMENT							
300	GROUP	**CORAC/DISPATCH CENTER**						
1	COMMENT	Prob #1 = times						
2	COMMENT	Prob #2 = CRON'd fallout (manual load)						
301	WORKITEM	Screen Order	2	0.15	0	0	0	07
302	WORKITEM	Load work request to Technician	5	0.15	0	0	0	07
303	WORKITEM	Closeout work request with Technician	3	0.15	0	0	0	07
0	COMMENT							
4000	GROUP	**CENTRAL OFFICE TECH**						
1	COMMENT	Prob #1 = occurrences						
4001	WORKITEM	Analyze order	5	1	0	0	0	09
4002	WORKITEM	Complete cross connect	10	1	0	0	0	09

4003	WORKITEM	Perform conformance testing	15	1	0	0	0	09
4004	WORKITEM	Complete DD work status with CCT-I	3	1	0	0	0	09
4005	WORKITEM	Post DVA work complete in WFA-DI	2	1	0	0	0	09
0	COMMENT							
1	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = Occurrences						
1020	WORKITEM	Analysis of request for accuracy	5	1	0	0	0	01
1021	WORKITEM	Verify existing account & close bill	2	1	0	0	0	01
1022	WORKITEM	Check for Service Order Analysis and Control errors	5	1	0	0	0	01
1023	WORKITEM	Order completion	5	1	0	0	0	01
1012	WORKITEM	Issue service order	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
6001	WORKITEM	Order handling/screening	5	0.1	0	0	0	05
6002	WORKITEM	Generic Order Control log order	6	0.1	0	0	0	05
6003	WORKITEM	Enter Work Authorization mask	5	0.1	0	0	0	05
6004	WORKITEM	Disconnect circuit	5	0.1	0	0	0	05
6005	WORKITEM	Distribute Word documents	2	0.1	0	0	0	05
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - IMPLEMENTOR**						
1	COMMENT	Prob #1 = occurrences						
6010	WORKITEM	Screen Work Force Authorization for order accuracy	5	1	0	0	0	09
6011	WORKITEM	Contact Co-Provider	5	1	0	0	0	09
6012	WORKITEM	Complete circuit in Work Force Administration/control Module	5	1	0	0	0	09
0	COMMENT							
4000	GROUP	**CENTRAL OFFICE TECH**						
1	COMMENT	Prob #1 = occurrences						
4001	WORKITEM	Analyze order	5	1	0	0	0	09
4002	WORKITEM	Remove Cross connect	5	1	0	0	0	09
4005	WORKITEM	Complete Order in Work Force Administration - Dispatch In Module	2	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**DS0 ANALOG TRUNK PORT - FIRST PORT**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrence						
1001	WORKITEM	Analysis of request	5	1	0	0	0	01
1002	WORKITEM	Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	2	1	0	0	0	01
1003	WORKITEM	Validate Switch Location	10	1	0	0	0	01
1004	WORKITEM	Obtain Trunk group number and Route Index number	20	1	0	0	0	01
1005	WORKITEM	Obtain Tele # DID # Blocks	10	1	0	0	0	01
1006	WORKITEM	Determine Critical Dates	5	1	0	0	0	01
1007	WORKITEM	Confirm (Firm Order Confirmation) Local Service Request	5	1	0	0	0	01
1008	WORKITEM	Check for Service order Access Controller errors	5	1	0	0	0	01
1009	WORKITEM	Order completion	5	1	0	0	0	01
1010	WORKITEM	Issue Service Order	15	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order handling/screening	5	0.2	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.2	0.042	0	0	05
6007	WORKITEM	Enter Work Authorization mask	5	0.1	0.042	0	0	05
6003	WORKITEM	Circuit Design	20	0.1	0.042	0	0	05
6004	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
6500	GROUP	**NROC - COMPLEX TRANSLATIONS - TRUNK GROUP**						
1	COMMENT	Prob #1 = .50 probability is % orders establishing a new trunk group						
6501	WORKITEM	Assign Trunk Group number	10	0.5	0	0	0	14
6502	WORKITEM	Analyze ASR/TQ	10	0.5	0	0	0	14
6503	WORKITEM	Build New Trunk Group	20	0.5	0	0	0	14
0	COMMENT							
6500	GROUP	**NROC - COMPLEX TRANSLATIONS - ROUTE INDEX**						
1	COMMENT	Prob #1 = .50 probability is % orders establishing a new trunk group						
6505	WORKITEM	Assign Route Index	10	0.5	0	0	0	14
0	COMMENT							
6500	GROUP	**NROC - COMPLEX TRANSLATIONS - TESTING**						
1	COMMENT	Prob #1 = .50 probability is % orders establishing a new trunk group						
6506	WORKITEM	Perform Test Call	5	0.5	0	0	0	14
6507	WORKITEM	Complete work item in work Force Administration - Dispatch In	5	0.5	0	0	0	14
0	COMMENT							

1	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrence						
1021	WORKITEM	Analysis of request	5	1	0	0	0	01
1022	WORKITEM	Verify existing account activity	2	1	0	0	0	01
1023	WORKITEM	Check for Service order Access Controller errors	5	1	0	0	0	01
1024	WORKITEM	Order completion	5	1	0	0	0	01
1025	WORKITEM	Issue Service Order	5	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order screening/handling	5	0.1	0.042	0	0	05
6002	WORKITEM	Generic Order Control order log	6	0.1	0.042	0	0	05
6003	WORKITEM	Enter Work Authorization mask	5	0.1	0.042	0	0	05
6004	WORKITEM	Disconnect Circuit	5	0.1	0.042	0	0	05
6005	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	**DS0 ANALOG TRUNK PORT - EACH ADDITIONAL**						
0	ADD							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrences						
1001	WORKITEM	Validate connecting Facilities Arrangement	0.25	1	0	0	0	01
1002	WORKITEM	Obtain Tele#/DID number blocks	10	0.5	0	0	0	01
1003	WORKITEM	Order completion	5	1	0	0	0	01
1004	WORKITEM	Check for Service Order Analysis & Control errors	5	1	0	0	0	01
1005	WORKITEM	Issue Service Order	3	1	0	0	0	01
	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order handling/screening	5	0.2	0.042	0	0	05
6002	WORKITEM	Generic Order Control Order log	6	0.2	0.042	0	0	05
6007	WORKITEM	Enter Work Authorization Mask	5	0.1	0.042	0	0	05
6003	WORKITEM	Circuit Design	20	0.1	0.042	0	0	05
6004	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05
0	COMMENT							
1	DISCONNECT							
1000	GROUP	**INTERCONNECT SERVICE CENTER**						
1	COMMENT	Prob #1 = occurrences						
1020	WORKITEM	Check for Service Order Analysis & Control errors	5	1	0	0	0	01
1021	WORKITEM	Order completion	5	1	0	0	0	01
1022	WORKITEM	Issue Service Order	3	1	0	0	0	01
0	COMMENT							
6000	GROUP	**DESIGN SERVICE CENTER - DESIGNER**						
1	COMMENT	Prob #1 = % of time manual handling is required						
2	COMMENT	Prob #2 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
6001	WORKITEM	Order screening/handling	5	0.1	0.042	0	0	05
6002	WORKITEM	Generic Order Control Order log	6	0.1	0.042	0	0	05
6003	WORKITEM	Enter Work Authorization Mask	5	0.1	0.042	0	0	05
6004	WORKITEM	Disconnect Circuit	5	0.1	0.042	0	0	05
6005	WORKITEM	Distribute Word Doc	2	0.05	0.042	0	0	05

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
	HEADER	***UPS DS1/DS3 ATM SWITCH INTERFACE PORT***						
1001	ADD							
1200	GROUP	**SERVICE DELIVERY COORDINATOR**						
1	WORKITEM	ANALYSIS OF REQUEST TO DETERMINE TYPE OF SERVICE, DESIRED SERVICE LEVEL, DIRECTORY LISTINGS, CLEC SPECIFIC ENTRIES	5	1	0	0	0	02
2	WORKITEM	VALIDATE CONNECTING FACILITY ARRANGEMENT (CFA), NETWORK CHANNEL/NETWORK CHANNEL INTERFACE (NC/NCI)	2	1	0	0	0	02
3	WORKITEM	NAME COMMON LANGUAGE FACILITY (CLF) & ESTABLISH FACILITY EQUIPMENT PLANNING SYSTEM (FEPS) MODEL	10	1	0	0	0	02
4	WORKITEM	DETERMINE CRITICAL DATES	5	1	0	0	0	02
5	WORKITEM	CONFIRM FIRM ORDER CONFIRMATION (FOC) LOCAL SERVICE REQUEST (LSR)	5	1	0	0	0	02
6	WORKITEM	ISSUE SERVICE ORDER	15	1	0	0	0	02
7	WORKITEM	CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1	0	0	0	02
8	WORKITEM	ORDER COMPLETION	5	1	0	0	0	02
0	COMMENT							
2300	GROUP	**DESIGN**						
1	COMMENT	% manual handling						
2301	WORKITEM	Log/Verify Facility	45	0.05	0	0	0	05
2302	WORKITEM	Log/Verify Facility	25	0.95	0	0	0	05
2303	WORKITEM	Build/Validate DRI & WA	6	0.05	0	0	0	05
2304	WORKITEM	Build/Validate DRI & WA	3	0.95	0	0	0	05
2305	WORKITEM	Build/Verify CD	15	0.2	0	0	0	05
2306	WORKITEM	Build/Verify CD	5	0.8	0	0	0	05
2307	WORKITEM	Distribute Documents	4	1	0	0	0	05
0	COMMENT							
4100	GROUP	**CENTRAL OFFICE TECHNICIAN**						
1	WORKITEM	ANALYZE ORDER	5	1	0	0	0	09
2	WORKITEM	COMPLETE CROSS CONNECT	10	1	0	0	0	09
3	WORKITEM	PERFORM CONFORMANCE TESTING	20	1	0	0	0	09
4	WORKITEM	Complete DD work status with CCT-I	3	1	0	0	0	09
5	WORKITEM	Post DVA work complete in WFA-DI	2	1	0	0	0	09
0	COMMENT							

6100	GROUP	**SERVICE DELIVERY IMPLEMENTOR**						
6101	WORKITEM	SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1	0	0	0	09
6102	WORKITEM	VERIFY COMPLETION WITH LOCAL NETWORK ORGANIZATION (LNO)	5	1	0	0	0	09
6103	WORKITEM	MONITOR PERFORMANCE TESTING	15	1	0	0	0	09
6104	WORKITEM	NOTIFY CO-PROVIDER OF WORK COMPLETION	5	1	0	0	0	09
6105	WORKITEM	POST ORDER COMPLETE WORK FORCE ADMINISTRATION / CONTROL (WFA-C)	10	1	0	0	0	09
0	COMMENT							
1002	DISCONNECT							
1200	GROUP	**SERVICE DELIVERY COORDINATOR**						
1	WORKITEM	ANALYSIS OF REQUEST FOR ACCURACY	5	1	0	0	0	02
2	WORKITEM	VERIFY EXISTING ACCOUNT ACTIVITY AND OBTAIN CLOSING BILL INFORMATION	2	1	0	0	0	02
3	WORKITEM	CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1	0	0	0	02
4	WORKITEM	ORDER COMPLETION	5	1	0	0	0	02
5	WORKITEM	ISSUE SERVICE ORDER	5	1	0	0	0	02
0	COMMENT							
2100	GROUP	**DESIGN**						
1	COMMENT	Prob #1 = % manual handled						
2101	WORKITEM	Log/Verify Facility	8	0.05	0	0	0	05
2102	WORKITEM	Log/Verify Facility	3	0.95	0	0	0	05
2103	WORKITEM	Build/Validate WA	5	0.05	0	0	0	05
2104	WORKITEM	Build/Validate WA	2	0.95	0	0	0	05
2105	WORKITEM	Build/Verify CD	3	0.05	0	0	0	05
2106	WORKITEM	Build/Verify CD	2	0.95	0	0	0	05
2107	WORKITEM	Distribute Documents	2	1	0	0	0	05
0	COMMENT							
4100	GROUP	***CENTRAL OFFICE TECHNICIAN***						
1	WORKITEM	ANALYZE ORDER	5	1	0	0	0	09
2	WORKITEM	REMOVE CROSS CONNECT	5	1	0	0	0	09
3	WORKITEM	COMPLETE WORK REQUEST IN WORK FORCE ADMINISTRATION - DISPATCH IN MODULE	2	1	0	0	0	09
0	COMMENT							
6100	GROUP	**SERVICE DELIVERY IMPLEMENTOR**						
1	WORKITEM	SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1	0	0	0	09
2	WORKITEM	CONTACT CO-PROVIDER	5	1	0	0	0	09
3	WORKITEM	COMPELTE ORDER IN WORK FORCE ADMINISTRATION-CIRCUIT (WFA-C)	5	1	0	0	0	09

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
0	HEADER	***UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP***						
6500	ADD							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
1	COMMENT	**.15 probability is % manual work required. 85% IMA Flow-through**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.15	0	0	0	01
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	0.15	0	0	0	01
103	WORKITEM	Exchange Information - Obtain CO name, address, office type	2	0.15	0	0	0	01
104	WORKITEM	Look up billing USOC's for co-provider	5	0.15	0	0	0	01
105	WORKITEM	Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	0.15	0	0	0	01
106	WORKITEM	Using Swift/SOP, Issue orders	10	0.15	0	0	0	01
107	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	0.15	0	0	0	01
108	WORKITEM	CRM-Populate required fields	3	0.15	0	0	0	01
109	WORKITEM	SOAC ensure at least 2 successes	6	0.15	0	0	0	01
110	WORKITEM	SOP-Ensure PD or RL, File in drawer	2	0.15	0	0	0	01
111	WORKITEM	ESOI's-Generated from Loop Provisioning Center	5	0.15	0	0	0	01
112	WORKITEM	Call Handling, Follow up calls from Implementors, LPC, etc.	5	0.15	0	0	0	01
0	COMMENT							
3000	GROUP	**LRAC**						
0	COMMENT	Probabilities are % manual work required. Reciprocal is mechanization rate.						
3001	WORKITEM	Screen order	2	0.2	0	0	0	07
3002	WORKITEM	Load work request tech load system	2	0.2	0	0	0	07
3003	WORKITEM	Close out order with tech	3	0.05	0	0	0	07
0	COMMENT							
3150	GROUP	**INSTALLATION/FIELD TECHNICIAN**						
3151	WORKITEM	Travel time	21	1	0	0	0	11
3152	WORKITEM	Service Area Interface/field connection point work activity.	15	1	0	0	0	11
3153	WORKITEM	Testing and turn up.	5	1	0	0	0	11
3154	WORKITEM	Close order in field access system/ WFADO	3	1	0	0	0	11
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14
7002	WORKITEM	RADSL Service act and testing	10	0.1	0	0	0	14
0	COMMENT							
6510	DISCONNECT							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
1	COMMENT	**.15 probability is % manual work required. 85% IMA Flow-through**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.15	0	0	0	08
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	0.15	0	0	0	08
103	WORKITEM	Using Swift/SOP, Issue orders	10	0.15	0	0	0	08

104	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	0.15	0	0	0	08
105	WORKITEM	CRM-Populate required fields	3	0.15	0	0	0	08
106	WORKITEM	SOAC ensure at least 2 successes	6	0.15	0	0	0	08
107	WORKITEM	SOP-Ensure PD or RL, File in drawer	2	0.15	0	0	0	08
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
0	HEADER	***UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP***						
6500	ADD							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	1	0	0	0	01
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	1	0	0	0	01
103	WORKITEM	Exchange Information - Obtain CO name, address, office type	2	1	0	0	0	01
104	WORKITEM	Look up billing USOC's for co-provider	5	1	0	0	0	01
105	WORKITEM	Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	1	0	0	0	01
106	WORKITEM	Using Swift/SOP, Issue orders	10	1	0	0	0	01
107	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	1	0	0	0	01
108	WORKITEM	CRM-Populate required fields	3	1	0	0	0	01
109	WORKITEM	SOAC ensure at least 2 successes	6	1	0	0	0	01
110	WORKITEM	SOP-Ensure PD or RL, File in drawer	2	1	0	0	0	01
111	WORKITEM	ESOI's-Generated from Loop Provisioning Center	5	1	0	0	0	01
112	WORKITEM	Call Handling, Follow up calls from Implementors, LPC, etc.	5	1	0	0	0	01
0	COMMENT							
3000	GROUP	**LRAC**						
0	COMMENT	Probabilities are % manual work required. Reciprocal is mechanization rate.						
3001	WORKITEM	Screen order	2	0.2	0	0	0	07
3002	WORKITEM	Load work request/tech load system	2	0.2	0	0	0	07
3003	WORKITEM	Close out order with tech	3	0.05	0	0	0	07
0	COMMENT							
3150	GROUP	**INSTALLATION/FIELD TECHNICIAN**						
3151	WORKITEM	Travel time	21	1	0	0	0	11
3152	WORKITEM	Service Area Interface/field connection point work activity.	13	1	0	0	0	11
1	COMMENT	0.3 PROBABILITY IS PERCENT OF TIME NEW SERVICE WILL BE ORDERED REQUIRING WORK AT PREMISES						
3153	WORKITEM	Perform premises work activities	35	0.3	0	0	0	11
3154	WORKITEM	Testing and turn up.	20	0.3	0	0	0	11
3155	WORKITEM	Close order in field access system/ WFADO	3	1	0	0	0	11
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14
7002	WORKITEM	RADSL Service act and testing	10	0.1	0	0	0	14
0	COMMENT							
6510	DISCONNECT							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	1	0	0	0	08
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	1	0	0	0	08
103	WORKITEM	Using Swift/SOP, Issue orders	10	1	0	0	0	08

104	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	1	0	0	0	08
105	WORKITEM	CRM-Populate required fields	3	1	0	0	0	08
106	WORKITEM	SOAC ensure at least 2 successes	6	1	0	0	0	08
107	WORKITEM	*SOP-Ensure PD or RL, File in drawer*	2	1	0	0	0	08
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
0	HEADER	***UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP***						
6500	ADD							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
1	COMMENT	**.15 probability is % manual work required. 85% IMA Flow-through**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.15	0	0	0	01
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	0.15	0	0	0	01
103	WORKITEM	Exchange Information - Obtain CO name, address, office type	2	0.15	0	0	0	01
104	WORKITEM	Look up billing USOC's for co-provider	5	0.15	0	0	0	01
105	WORKITEM	Resale Summary List - Look up billing telephone number, tax code, and BAPC	2	0.15	0	0	0	01
106	WORKITEM	Using Swift/SOP, Issue orders	10	0.15	0	0	0	01
107	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	0.15	0	0	0	01
108	WORKITEM	CRM-Populate required fields	3	0.15	0	0	0	01
109	WORKITEM	SOAC ensure at least 2 successes	6	0.15	0	0	0	01
110	WORKITEM	SOP-Ensure PD or RL, File in drawer	2	0.15	0	0	0	01
111	WORKITEM	ESOI's-Generated from Loop Provisioning Center	5	0.15	0	0	0	01
112	WORKITEM	Call Handling, Follow up calls from Implementors, LPC, etc.	5	0.15	0	0	0	01
0	COMMENT							
3000	GROUP	**LRAC**						
0	COMMENT	Probabilities are % manual work required. Reciprocal is mechanization rate.						
3001	WORKITEM	Screen order	2	0.2	0	0	0	07
3002	WORKITEM	Load work request tech load system	2	0.2	0	0	0	07
3003	WORKITEM	Close out order with tech	3	0.05	0	0	0	07
0	COMMENT							
3150	GROUP	**INSTALLATION/FIELD TECHNICIAN**						
3151	WORKITEM	Travel time	21	1	0	0	0	11
3152	WORKITEM	Service Area Interface/field connection point work activity.	15	1	0	0	0	11
3153	WORKITEM	Testing and turn up.	5	1	0	0	0	11
3154	WORKITEM	Close order in field access system/ WFADO	3	1	0	0	0	11
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14
7002	WORKITEM	RADSL Service act and testing	10	0.1	0	0	0	14
0	COMMENT							
6510	DISCONNECT							
100	GROUP	**INTERCONNECT SERVICE CENTER (ICS)**						
1	COMMENT	**.15 probability is % manual work required. 85% IMA Flow-through**						
101	WORKITEM	Verify all required fields are filled in and populated correctly for Local Service Request (LSR)	3	0.15	0	0	0	08
102	WORKITEM	Call CLEC, Inform LSR is in process of being worked	2	0.15	0	0	0	08
103	WORKITEM	Using Swift/SOP, Issue orders	10	0.15	0	0	0	08

104	WORKITEM	IMA-FOC (Firm Order Confirmation) to CLEC	2	0.15	0	0	0	08
105	WORKITEM	CRM-Populate required fields	3	0.15	0	0	0	08
106	WORKITEM	SOAC ensure at least 2 successes	6	0.15	0	0	0	08
107	WORKITEM	SOP-Ensure PD or RL, File in drawer	2	0.15	0	0	0	08
0	COMMENT							
7000	GROUP	**ENTERPRISE - NOC (NETWORK OPERATIONS CENTER)**						
1	COMMENT	Prob #1 = 10% of orders require translations						
7001	WORKITEM	Translations	25	0.1	0	0	0	14

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
0	HEADER	***CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC***						
6500	ADD							
100	GROUP	**ACCOUNT MANAGER**						
1	WORKITEM	ISSUE FORMS/TECH SUPPORT	120	1	0	0	0	43
200	GROUP	**CT TECHNICAL SUPPORT**						
1	WORKITEM	PROVISION FORMS	120	1	0	0	0	43

Line Num	Line Type	Line Description	Time Estimate	Prob #1	Prob #2	Prob #3	Prob #4	Labor Code
0	HEADER	***CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH***						
6500	ADD							
100	GROUP	**ACCOUNT MANAGER**						
1	WORKITEM	ISSUE FORMS/COMPLEX TRANS	30	1	0	0	0	43
200	GROUP	**COMPLEX TRANSLATIONS**						
3300	COMMENT	Probability weightings are the percent by switch type.						
1	WORKITEM	PROV/TEST LCC DMS100	240	0.34	0	0	0	14
2	WORKITEM	PROV/TEST LCC 5E,DMS10	180	0.66	0	0	0	14