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Wholesale non-recurring cost study, revised pages

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THOMPSON
HINE & FLORY LLP

Attorneys at Law

In the Matter of the Application of Verizon North
Inc. to Determine Permanent Rates for Unbundled
Network Element Prices, PUCO Case No. 00-1186-
TP-UNC

61 pgs

Wholesale Non-Recurring Cost Study
Revised Pages

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Verizon North Inc.

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Case No. 00-1186-TP-UNC

Wholesale Non-Recurring Cost Study

Revised Pages

Confidential Version

GTE - Ohio

Wholesale Non-recurring Cost Study Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps) Summary of Cost

Description	Manual Order Processing									
	Initial Line					Additional Lines				
	Ordering	Provisioning	Field Work		Total Cost	Provisioning	Field Work		Total Cost	I=Sum(F..H)
			CO	Install.			CO	Install.		
	A	B	C	D	E=Sum(A..D)	F	G	H		
Unbundled Network Elements (UNEs)										
Exchange Products										
Line Sharing										
GTE CO Splitter										
New										
Disconnect										
Change CO Interconnection										
CLEC CO Splitter										
New	\$20.26	\$12.97	\$17.24	n/a	\$50.46	\$12.97	\$12.91	n/a	\$25.88	
Disconnect	\$9.90	\$12.97	\$13.73	n/a	\$36.60	\$12.97	\$9.41	n/a	\$22.37	
Change CO Interconnection	\$8.85	\$6.48	\$8.54	n/a	\$23.87	\$6.48	\$7.10	n/a	\$13.58	
Loop Conditioning										
Bridged Tap Removal	\$0.00	n/a	n/a	\$795.02	\$795.02	n/a	n/a	\$12.72	\$12.72	
* One Occurrence	\$0.00	n/a	n/a	\$987.49	\$987.49	n/a	n/a	\$31.80	\$31.80	
Multiple Occurrences										
Load Coil Removal										
Load Coil Removal Only	\$0.00	n/a	n/a	\$949.80	\$949.80	n/a	n/a	\$30.34	\$30.34	
Combinations										
Bridged Tap (One) and Load Coil	\$0.00	n/a	n/a	\$1,094.52	\$1,094.52	n/a	n/a	\$43.05	\$43.05	
Bridged Tap (Multiple) and Load Coil	\$0.00	n/a	n/a	\$1,286.98	\$1,286.98	n/a	n/a	\$62.14	\$62.14	

Not Included in This Filing

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Wholesale Non-recurring Cost Study Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps) Summary of Cost

Description	Semi-Mechanized Order Processing										
	Initial Line					Additional Lines					
	Ordering	Provisioning	Field Work		Total Cost	Provisioning	Field Work		Total Cost	Provisioning	Field Work
			CO	Install.			CO	Install.			
	J	K	L	M	N=Sum(J..M)	O	P	Q	R=Sum(O..Q)		
Unbundled Network Elements (UNEs)											
Exchange Products											
Line Sharing											
GTE CO Splitter											
New											
Disconnect											
Change CO Interconnection											
CLEC CO Splitter											
New	\$13.74	\$12.97	\$17.24	n/a	\$43.94	\$12.97	\$12.91	n/a	\$25.88		
Disconnect	\$6.98	\$12.97	\$13.73	n/a	\$33.68	\$12.97	\$9.41	n/a	\$22.37		
Change CO Interconnection	\$5.67	\$6.48	\$8.54	n/a	\$20.69	\$6.48	\$7.10	n/a	\$13.58		
Loop Conditioning											
Bridged Tap Removal											
One Occurrence	\$0.00	n/a	n/a	\$795.02	\$795.02	n/a	n/a	\$12.72	\$12.72		
Multiple Occurrences	\$0.00	n/a	n/a	\$987.49	\$987.49	n/a	n/a	\$31.80	\$31.80		
Load Coil Removal											
Load Coil Removal Only	\$0.00	n/a	n/a	\$949.80	\$949.80	n/a	n/a	\$30.34	\$30.34		
Combinations											
Bridged Tap (One) and Load Coil	\$0.00	n/a	n/a	\$1,094.52	\$1,094.52	n/a	n/a	\$43.05	\$43.05		
Bridged Tap (Multiple) and Load Coil	\$0.00	n/a	n/a	\$1,286.98	\$1,286.98	n/a	n/a	\$62.14	\$62.14		

Not Included in This Filing

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Wholesale Non-recurring Cost Study Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps) Summary of Cost

Description	Manual Order Processing										
	Initial Line					Additional Lines					
	Ordering	Provisioning	Field Work		Total Cost	Provisioning	Field Work		CO	Field	Total Cost
			Work	Install.			Work	Install.			
	A	B	C	D	E=Sum(A..D)	F	G	H	I=Sum(F..H)		
UNE-Platforms (UNE-Ps) Exchange Products Basic											
	\$16.98	\$5.21	\$4.14	\$21.87	\$48.20	\$5.21	\$3.23	\$19.88			\$28.32
	\$9.11	\$2.11	\$0.00	\$0.81	\$12.03	\$2.11	\$0.00	\$0.33			\$2.44
	\$13.37	\$1.47	\$0.00	\$0.00	\$14.84	\$1.47	\$0.00	\$0.00			\$1.47
	\$14.10	\$1.47	\$0.00	\$0.00	\$15.57	\$1.47	\$0.00	\$0.00			\$1.47
Change Line Feature	\$10.26	\$1.38	\$0.00	\$0.00	\$11.64	\$1.38	\$0.00	\$0.00			\$1.38
Complex Non-digital											
	\$27.72	\$28.44	\$6.57	\$50.25	\$112.98	\$12.28	\$5.13	\$26.17			\$43.59
	\$9.11	\$25.32	\$3.41	\$1.08	\$38.92	\$8.56	\$1.97	\$1.08			\$11.61
	\$16.19	\$3.83	\$0.00	\$0.00	\$20.02	\$3.83	\$0.00	\$0.00			\$3.83
	\$23.92	\$19.99	\$0.00	\$0.00	\$43.91	\$3.83	\$0.00	\$0.00			\$3.83
Change Line Feature	\$10.26	\$10.67	\$0.00	\$0.00	\$20.93	\$10.67	\$0.00	\$0.00			\$10.67
Change Switch Feature Group	\$14.64	\$22.64	\$0.00	\$0.00	\$37.28	\$22.64	\$0.00	\$0.00			\$22.64

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Wholesale Non-recurring Cost Study Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps) Summary of Cost

Semi-Mechanized Order Processing											
Description	Initial Line				Additional Lines						
	Ordering	Provisioning	Field Work		Total Cost	Provisioning	Field Work		Total Cost	R=Sum(O..Q)	
			CO	Field Install.			CO	Field Install.			
	J	K	L	M	N=Sum(J..M)	O	P	Q	R=Sum(O..Q)		
UNE-Platforms (UNE-Ps)											
Exchange Products											
Basic											
New	\$10.46	\$5.21	\$4.14	\$21.87	\$41.68	\$5.21	\$3.23	\$19.88	\$28.32		
Disconnect	\$6.19	\$2.11	\$0.00	\$0.81	\$9.11	\$2.11	\$0.00	\$0.33	\$2.44		
Migration As Is	\$8.98	\$1.47	\$0.00	\$0.00	\$10.45	\$1.47	\$0.00	\$0.00	\$1.47		
Migration As Is +/-	\$9.71	\$1.47	\$0.00	\$0.00	\$11.18	\$1.47	\$0.00	\$0.00	\$1.47		
Change Line Feature	\$7.08	\$1.38	\$0.00	\$0.00	\$8.46	\$1.38	\$0.00	\$0.00	\$1.38		
Complex Non-digital											
New	\$16.82	\$28.44	\$6.57	\$50.25	\$102.08	\$12.28	\$5.13	\$26.17	\$43.59		
Disconnect	\$6.19	\$25.32	\$3.41	\$1.08	\$36.00	\$8.56	\$1.97	\$1.08	\$11.61		
Migration As Is	\$11.80	\$3.83	\$0.00	\$0.00	\$15.63	\$3.83	\$0.00	\$0.00	\$3.83		
Migration As Specified	\$15.15	\$19.99	\$0.00	\$0.00	\$35.14	\$3.83	\$0.00	\$0.00	\$3.83		
Change Line Feature	\$7.08	\$10.67	\$0.00	\$0.00	\$17.75	\$10.67	\$0.00	\$0.00	\$10.67		
Change Switch Feature Group	\$7.08	\$22.64	\$0.00	\$0.00	\$29.72	\$22.64	\$0.00	\$0.00	\$22.64		

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Wholesale Non-recurring Cost Study
Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps)
Summary of Cost

Description	Manual Order Processing										
	Initial Line					Additional Lines					
	Ordering	Provisioning	Field Work		Total Cost	Provisioning	Field Work			Total Cost	I=Sum(F..H)
			CO	Install.			CO	Work	Install.		
	A	B	C	D	E=Sum(A..D)	F	G	H			
UNE-Platforms (UNE-Ps)											
Exchange Products											
Complex Digital											
New	\$27.72	\$62.62	\$6.57	\$74.76	\$171.67	\$12.52	\$5.13	\$38.94		\$56.59	
Disconnect	\$9.11	\$24.61	\$3.41	\$43.76	\$80.89	\$7.86	\$1.97	\$43.76		\$53.58	
Migration As Is	\$16.19	\$4.67	\$0.00	\$0.00	\$20.86	\$4.67	\$0.00	\$0.00		\$4.67	
Migration As Specified	\$23.92	\$54.77	\$0.00	\$0.00	\$78.69	\$4.67	\$0.00	\$0.00		\$4.67	
Change Line Feature	\$10.26	\$9.85	\$0.00	\$0.00	\$20.11	\$9.85	\$0.00	\$0.00		\$9.85	
Change Switch Feature Group	\$14.64	\$22.64	\$0.00	\$0.00	\$37.28	\$22.64	\$0.00	\$0.00		\$22.64	
Advanced/Special Products											
Complex											
New	\$39.06	\$182.24	\$14.79	\$74.87	\$310.96	\$142.31	\$13.35	\$0.36		\$156.02	
Disconnect	\$9.11	\$66.79	\$3.41	\$87.36	\$166.67	\$37.92	\$1.97	\$87.36		\$127.25	
Migration As Is	\$17.90	\$62.80	\$0.00	\$0.00	\$80.70	\$33.93	\$0.00	\$0.00		\$33.93	
Migration As Specified	\$30.92	\$81.52	\$0.00	\$0.00	\$112.44	\$52.65	\$0.00	\$0.00		\$52.65	
Change	\$14.64	\$64.94	\$0.00	\$0.00	\$79.58	\$36.07	\$0.00	\$0.00		\$36.07	
Record Order (All UNE-Ps)	\$8.26	\$0.00	\$0.00	\$0.00	\$8.26	\$0.00	\$0.00	\$0.00		\$0.00	

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Wholesale Non-recurring Cost Study

Unbundled Network Elements (UNEs) and UNE-Platforms (UNE-Ps)

Summary of Cost

Semi-Mechanized Order Processing											
Description	Initial Line				Provisioning	Total Cost N=Sum(J..M)	O	Additional Lines			Total Cost R=Sum(O..Q)
	Ordering	J	Field Work					CO Work	P	Q	
			K	L							
UNE-Platforms (UNE-Ps) Exchange Products Complex Digital											
Advanced/Special Products Complex											
Record Order (All UNE-Ps)											

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 Wholesale Non-recurring Cost Study
 Non-volume Sensitive Costs
 Summary of Cost

Description	Annual Total Cost	National Total Costs
Ordering		
NOMC Shared/Fixed Costs	\$18,742,158.08	
OSS		
Transaction Specific Costs		\$10,637,293.36
Transition Costs		
Incurred Transition Costs 1996 - 1998		\$43,466,087.00
1999 Capitalized OSS Transition Costs		\$13,268,956.00

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Wholesale Non-recurring Cost Study
CLEC Virtual Splitter Installation
Summary of Costs

Description	Non-recurring Costs
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CLEC Virtual Splitter - 96 Unit
CLEC Splitter Installation

Not Included In This Filing

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Wholesale Non-recurring Cost Study
Ordering
Summary of Costs

Description	Source	Semi-			Destination
		Manual Order	Mechanized Order	Mechanized Order	
		A=Source	B=Source	C=Source	
Not Included In This Filing					
Unbundled Network Elements (UNEs)					
Exchange Products					
Line Sharing					
GTE CO Splitter					
New					
Disconnect					
Change CO Interconnection					
CLEC CO Splitter					
New	ORD-18	\$20.26	\$13.74	n/a	SUM-10..12
Disconnect	ORD-18	\$9.90	\$6.98	n/a	SUM-10..12
Change CO Interconnection	ORD-18	\$8.85	\$5.67	n/a	SUM-10..12
Loop Conditioning					
Bridged Tap Removal					
One Occurrence	ORD-19	\$0.00	\$0.00	n/a	SUM-10..12
Multiple Occurrences	ORD-19	\$0.00	\$0.00	n/a	SUM-10..12
Load Coil Removal					
Load Coil Removal Only	ORD-19	\$0.00	\$0.00	n/a	SUM-10..12
Combinations					
Bridged Tap (One) and Load Coil	ORD-19	\$0.00	\$0.00	n/a	SUM-10..12
Bridged Tap (Multiple) and Load Coil	ORD-19	\$0.00	\$0.00	n/a	SUM-10..12

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Wholesale Non-recurring Cost Study
Ordering
Summary of Costs

Description	Source	Semi-			Destination
		Manual Order	Mechanized Order	Mechanized Order	
		A=Source	B=Source	C=Source	
UNE-Platforms (UNE-Ps)					
Exchange Products					
Basic					
New	ORD-24	\$16.98	\$10.46	n/a	SUM-16..18
Disconnect	ORD-24	\$9.11	\$6.19	n/a	SUM-16..18
Migration As Is	ORD-24	\$13.37	\$8.98	n/a	SUM-16..18
Migration As Is +/-	ORD-25	\$14.10	\$9.71	n/a	SUM-16..18
Change Line Feature	ORD-25	\$10.26	\$7.08	n/a	SUM-16..18
Complex Non-digital					
New	ORD-26	\$27.72	\$16.82	n/a	SUM-16..18
Disconnect	ORD-26	\$9.11	\$6.19	n/a	SUM-16..18
Migration As Is	ORD-26	\$16.19	\$11.80	n/a	SUM-16..18
Migration As Specified	ORD-27	\$23.92	\$15.15	n/a	SUM-16..18
Change Line Feature	ORD-27	\$10.26	\$7.08	n/a	SUM-16..18
Change Switch Feature Group	ORD-28	\$14.64	\$7.08	n/a	SUM-16..18
Complex Digital					
New	ORD-29	\$27.72	\$16.82	n/a	SUM-19..21
Disconnect	ORD-29	\$9.11	\$6.19	n/a	SUM-19..21
Migration As Is	ORD-29	\$16.19	\$11.80	n/a	SUM-19..21
Migration As Specified	ORD-30	\$23.92	\$15.15	n/a	SUM-19..21
Change Line Feature	ORD-30	\$10.26	\$7.08	n/a	SUM-19..21
Change Switch Feature Group	ORD-31	\$14.64	\$7.08	n/a	SUM-19..21

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Wholesale Non-recurring Cost Study
Ordering
Summary of Costs

Description	Source	Semi-Mechanized			Destination
		Manual Order	Order	Order	
		A=Source	B=Source	C=Source	
UNE-Platforms (UNE-Ps) Advanced/Special Products Complex	ORD-32	\$39.06	\$28.16	n/a	SUM-19..21
	ORD-32	\$9.11	\$6.19	n/a	SUM-19..21
	ORD-32	\$17.90	\$13.51	n/a	SUM-19..21
	ORD-33	\$30.92	\$22.15	n/a	SUM-19..21
	ORD-33	\$14.64	\$7.08	n/a	SUM-19..21
Record Order (All UNE-Ps)	ORD-33	\$8.26	\$6.01	n/a	SUM-19..21

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Wholesale Non-recurring Cost Study
Ordering
Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F	
Unbundled Network Elements (UNEs)									
Exchange Products									
Line Sharing									
GTE CO Splitter									
New									
Manual LSR Receipt									
Manual LSR Entry									
Manual LSR Edit									
Order Processing									
Off-line Processing									
Total									
Disconnect									
Manual LSR Receipt									
Manual LSR Entry									
Manual LSR Edit									
Order Processing									
Off-line Processing									
Total									
Change CO Interconnection									
Manual LSR Receipt									
Manual LSR Entry									
Manual LSR Edit									
Order Processing									
Off-line Processing									
Total									

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Wholesale Non-recurring Cost Study Ordering Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F	
UNE-Platforms (UNE-Ps) Exchange Products Basic New	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	14.51	\$4.64					
	AOIS-1	\$0.32	3.75	\$1.20					
	AOIS-8	\$0.36	24.01	\$8.64	24.01	\$8.64	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$16.98		\$10.46			
Disconnect	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	5.07	\$1.62					
	AOIS-1	\$0.32	1.95	\$0.62					
	AOIS-8	\$0.36	12.14	\$4.37	12.14	\$4.37	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$9.11		\$6.19			
Migration As Is	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	8.64	\$2.76					
	AOIS-1	\$0.32	2.98	\$0.95					
	AOIS-8	\$0.36	19.88	\$7.16	19.88	\$7.16	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$13.37		\$8.98			

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Wholesale Non-recurring Cost Study

Ordering

Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order	
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F
UNE-Platforms (UNE-Ps) Exchange Products Basic Migration As Is +/- Manual LSR Receipt Manual LSR Entry Manual LSR Edit Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63				
	AOIS-1	\$0.32	8.64	\$2.76				
	AOIS-1	\$0.32	2.98	\$0.95				
	AOIS-8	\$0.36	21.92	\$7.89	21.92	\$7.89	n/a	n/a
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a
	Total			\$14.10		\$9.71		ORS-7
Change Line Feature Manual LSR Receipt Manual LSR Entry Manual LSR Edit Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63				
	AOIS-1	\$0.32	5.46	\$1.75				
	AOIS-1	\$0.32	2.34	\$0.75				
	AOIS-8	\$0.36	14.60	\$5.26	14.60	\$5.26	n/a	n/a
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a
	Total			\$10.26		\$7.08		ORS-7

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering

Cost Calculations

Description	Source	LLR per Minute A=Source	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order B=Source	Cost per Order C=A*B	Minutes per Order D=Source	Cost per Order E=A*D	Minutes per Order F=Source	Cost per Order G=A*F	
UNE-Platforms (UNE-Ps) Exchange Products Complex Non-digital New	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	14.51	\$4.64					
	AOIS-1	\$0.32	3.75	\$1.20					
	AOIS-1	\$0.32	13.68	\$4.38					
	AOIS-8	\$0.36	41.66	\$15.00	41.66	\$15.00	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$27.72		\$16.82			
Disconnect	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	5.07	\$1.62					
	AOIS-1	\$0.32	1.95	\$0.62					
	AOIS-8	\$0.36	12.14	\$4.37	12.14	\$4.37	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$9.11		\$6.19			
Migration As Is	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	8.64	\$2.76					
	AOIS-1	\$0.32	2.98	\$0.95					
	AOIS-8	\$0.36	27.72	\$9.98	27.72	\$9.98	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$16.19		\$11.80			

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F	
UNE-Platforms (UNE-Fs) Exchange Products Complex Non-digital Migration As Specified	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	8.64	\$2.76					
	AOIS-1	\$0.32	2.98	\$0.95					
	AOIS-1	\$0.32	13.68	\$4.38					
	AOIS-8	\$0.36	37.03	\$13.33	37.03	\$13.33	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-7
	Total			\$23.92		\$15.15			
Change Line Feature Manual LSR Receipt Manual LSR Entry Manual LSR Edit Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	5.46	\$1.75					
	AOIS-1	\$0.32	2.34	\$0.75					
	AOIS-8	\$0.36	14.60	\$5.26	14.60	\$5.26	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	
	Total			\$10.26		\$7.08			

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering

Cost Calculations

Description	Source	LLR per Minute A=Source	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order B=Source	Cost per Order C=A*B	Minutes per Order D=Source	Cost per Order E=A*D	Minutes per Order F=Source	Cost per Order G=A*F	
UNE-Platforms (UNE-Ps) Exchange Products Complex Non-digital Change Switch Feature Group Manual LSR Receipt Manual LSR Entry Manual LSR Edit Manual DGF Processing Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	5.46	\$1.75					
	AOIS-1	\$0.32	2.34	\$0.75					
	AOIS-1	\$0.32	13.68	\$4.38					
	AOIS-8	\$0.36	14.60	\$5.26	14.60	\$5.26	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	
				\$14.64		\$7.08			ORS-7

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering

Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order	
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F
UNE-Platforms (UNE-Ps)								
Exchange Products								
Complex Digital								
New								
Manual LSR Receipt	AOIS-1	\$0.32	1.97	\$0.63				
Manual LSR Entry	AOIS-1	\$0.32	14.51	\$4.64				
Manual LSR Edit	AOIS-1	\$0.32	3.75	\$1.20				
Manual DGF Processing	AOIS-1	\$0.32	13.68	\$4.38				
Order Processing	AOIS-8	\$0.36	41.66	\$15.00	41.66	\$15.00	n/a	n/a
Off-line Processing	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a
Total				\$27.72		\$16.82		ORS-7
Disconnect								
Manual LSR Receipt	AOIS-1	\$0.32	1.97	\$0.63				
Manual LSR Entry	AOIS-1	\$0.32	5.07	\$1.62				
Manual LSR Edit	AOIS-1	\$0.32	1.95	\$0.62				
Order Processing	AOIS-8	\$0.36	12.14	\$4.37	12.14	\$4.37	n/a	n/a
Off-line Processing	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a
Total				\$9.11		\$6.19		ORS-7
Migration As Is								
Manual LSR Receipt	AOIS-1	\$0.32	1.97	\$0.63				
Manual LSR Entry	AOIS-1	\$0.32	8.64	\$2.76				
Manual LSR Edit	AOIS-1	\$0.32	2.98	\$0.95				
Order Processing	AOIS-8	\$0.36	27.72	\$9.98	27.72	\$9.98	n/a	n/a
Off-line Processing	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a
Total				\$16.19		\$11.80		ORS-7

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Cost Calculations

Description	Source	LLR per Minute		Manual Order		Semi-Mechanized Order		Mechanized Order	
		A=Source	B=Source	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order
					C=A*B	D=Source	E=A*D	F=Source	G=A*F
UNE-Platforms (UNE-Ps) Exchange Products Complex Digital Migration As Specified	AOIS-1	\$0.32	1.97		\$0.63				
	AOIS-1	\$0.32	8.64		\$2.76				
	AOIS-1	\$0.32	2.98		\$0.95				
	AOIS-1	\$0.32	13.68		\$4.38				
	AOIS-8	\$0.36	37.03		\$13.33	37.03	\$13.33	n/a	n/a
	AOIS-1	\$0.36	5.18		\$1.87	5.05	\$1.82	n/a	n/a
	Total				\$23.92		\$15.15		ORS-7
Change Line Feature Manual LSR Receipt Manual LSR Entry Manual LSR Edit Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97		\$0.63				
	AOIS-1	\$0.32	5.46		\$1.75				
	AOIS-1	\$0.32	2.34		\$0.75				
	AOIS-8	\$0.36	14.60		\$5.26	14.60	\$5.26	n/a	n/a
	AOIS-1	\$0.36	5.18		\$1.87	5.05	\$1.82	n/a	n/a
	Total				\$10.26		\$7.08		ORS-7

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Cost Calculations

Description	Source	LLR per Minute		Manual Order		Semi-Mechanized Order		Mechanized Order	
		A=Source	B=Source	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order
					C=A*B	D=Source	E=A*D	F=Source	G=A*F
UNE-Platforms (UNE-Ps)									
Exchange Products									
Complex Digital									
Change Switch Feature Group									
Manual LSR Receipt	AOIS-1	\$0.32	1.97		\$0.63				
Manual LSR Entry	AOIS-1	\$0.32	5.46		\$1.75				
Manual LSR Edit	AOIS-1	\$0.32	2.34		\$0.75				
Manual DGF Processing	AOIS-1	\$0.32	13.68		\$4.38				
Order Processing	AOIS-8	\$0.36	14.60		\$5.26	14.60	\$5.26	n/a	n/a
Off-line Processing	AOIS-1	\$0.36	5.18		\$1.87	5.05	\$1.82	n/a	n/a
Total					\$14.64		\$7.08		ORS-7

GTE - Ohio

Wholesale Non-recurring Cost Study Ordering Cost Calculations

Description	Source	LLR per Minute		Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
		A=Source	B=Source	Minutes per Order	Cost per Order	C=A*B	D=Source	E=A*D	F=Source	
UNE-Platforms (UNE-Ps) Advanced/Special Products Complex New	AOIS-1	\$0.32		1.97	\$0.63					
	AOIS-1	\$0.32		14.51	\$4.64					
	AOIS-1	\$0.32		3.75	\$1.20					
	AOIS-1	\$0.32		13.68	\$4.38					
	AOIS-9	\$0.36		73.18	\$26.34		73.18	\$26.34	n/a	n/a
	AOIS-1	\$0.36		5.18	\$1.87		5.05	\$1.82	n/a	n/a
	Total				\$39.06			\$28.16		ORS-8
Disconnect	AOIS-1	\$0.32		1.97	\$0.63					
	AOIS-1	\$0.32		5.07	\$1.62					
	AOIS-1	\$0.32		1.95	\$0.62					
	AOIS-9	\$0.36		12.14	\$4.37		12.14	\$4.37	n/a	n/a
	AOIS-1	\$0.36		5.18	\$1.87		5.05	\$1.82	n/a	n/a
	Total				\$9.11			\$6.19		ORS-8
Migration As Is	AOIS-1	\$0.32		1.97	\$0.63					
	AOIS-1	\$0.32		8.64	\$2.76					
	AOIS-1	\$0.32		2.98	\$0.95					
	AOIS-9	\$0.36		32.46	\$11.69		32.46	\$11.69	n/a	n/a
	AOIS-1	\$0.36		5.18	\$1.87		5.05	\$1.82	n/a	n/a
	Total				\$17.90			\$13.51		ORS-8

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Cost Calculations

Description	Source	LLR per Minute	Manual Order		Semi-Mechanized Order		Mechanized Order		Destination
			Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	Minutes per Order	Cost per Order	
		A=Source	B=Source	C=A*B	D=Source	E=A*D	F=Source	G=A*F	
UNE-Platforms (UNE-Ps) Advanced/Special Products Complex Migration As Specified	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	8.64	\$2.76					
	AOIS-1	\$0.32	2.98	\$0.95					
	AOIS-1	\$0.32	13.68	\$4.38					
	AOIS-9	\$0.36	56.48	\$20.33	56.48	\$20.33	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-8
	Total			\$30.92		\$22.15		n/a	
Change Manual LSR Receipt Manual LSR Entry Manual LSR Edit Manual DGF Processing Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	5.46	\$1.75					
	AOIS-1	\$0.32	2.34	\$0.75					
	AOIS-1	\$0.32	13.68	\$4.38					
	AOIS-9	\$0.36	14.60	\$5.26	14.60	\$5.26	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	ORS-8
	Total			\$14.64		\$7.08		n/a	
Record Order (All UNE-Ps) Manual LSR Receipt Manual LSR Entry Manual LSR Edit Order Processing Off-line Processing Total	AOIS-1	\$0.32	1.97	\$0.63					
	AOIS-1	\$0.32	3.11	\$1.00					
	AOIS-1	\$0.32	1.78	\$0.57					
	AOIS-9	\$0.36	11.63	\$4.19	11.63	\$4.19	n/a	n/a	
	AOIS-1	\$0.36	5.18	\$1.87	5.05	\$1.82	n/a	n/a	
				\$8.26		\$6.01		n/a	ORS-8
	Total								

GTE - Ohio
Wholesale Non-recurring Cost Study
Provisioning
Provisioning Group Summary - UNEs and UNE-Ps

Description	Source	Initial Line / Circuit										Total Cost		Destination
		Additional Lines / Circuits										Initial Line/ Circuit	Addtl Lines/ Circuits	
		SOE A	Facility Assign B	DBM C	VIVID D	Admin Group E	Facility Assign F	Design Group G	Switch Update H	Testing I				
Unbundled Network Elements (UNEs) Exchange Products Interim Number Portability New Disconnect Change	PRC-3	n/a	n/a	n/a	n/a	n/a	\$6.91	n/a	n/a	n/a	\$6.91	\$6.91	SUM-7..9	
	PRC-3	n/a	n/a	n/a	n/a	n/a	\$6.80	n/a	n/a	n/a	\$6.80	\$6.80	SUM-7..9	
	PRC-3	n/a	n/a	n/a	n/a	n/a	\$5.84	n/a	n/a	n/a	\$5.84	\$5.84	SUM-7..9	
Sub-loop Unbundling MDF Interconnection New Disconnect Change CO Interconnection	PRC-4	n/a	n/a	n/a	n/a	n/a	\$9.72	n/a	n/a	n/a	\$9.72	\$9.72	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
FDI - Feeder Interconnection New Disconnect Change CO Interconnection	PRC-4	n/a	n/a	n/a	n/a	n/a	\$9.72	n/a	n/a	n/a	\$9.72	\$9.72	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
FDI - Distribution New Disconnect Change CO Interconnection	PRC-4	n/a	n/a	n/a	n/a	n/a	\$9.72	n/a	n/a	n/a	\$9.72	\$9.72	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
	PRC-4	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
Serving Terminal Interconnection New Disconnect Change CO Interconnection	PRC-5	n/a	n/a	n/a	n/a	n/a	\$9.72	n/a	n/a	n/a	\$9.72	\$9.72	SUM-7..9	
	PRC-5	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
	PRC-5	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
Line Sharing GTE CO Splitter New Disconnect Change CO Interconnection	PRC-5	n/a	n/a	n/a	n/a	n/a	\$9.72	n/a	n/a	n/a	\$9.72	\$9.72	SUM-7..9	
	PRC-5	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
	PRC-5	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-7..9	
CLEC CO Splitter New Disconnect Change CO Interconnection	PRC-6	n/a	n/a	n/a	n/a	n/a	\$12.97	n/a	n/a	n/a	\$12.97	\$12.97	SUM-10..12	
	PRC-6	n/a	n/a	n/a	n/a	n/a	\$12.97	n/a	n/a	n/a	\$12.97	\$12.97	SUM-10..12	
	PRC-6	n/a	n/a	n/a	n/a	n/a	\$6.48	n/a	n/a	n/a	\$6.48	\$6.48	SUM-10..12	

Not Included In
This Filing

GTE-Ohio
Wholesale Non-recurring Cost Study
Provisioning- Exchange Products
Calculation of Costs- UNEs

Description	Weighted Minutes per Occurrence	Probability of Occurrence	Minutes per Line	LLR per Minute	Cost per Line	Destination
	A= AINP- 1.8	B= AINP- 1.8	C= A*B	D= AINP-1	E= C*D	
Not Included In This Filing						
Unbundled Network Elements (UNEs)						
Exchange Products						
Line Sharing						
GTE CO Splitter						
Complex Digital						
New						
FAC						
Disconnect						
FAC						
Change C.O. Interconnection						
FAC						
CLEC CO Splitter						
Complex Digital						
New	39.62	100.00%	39.62	\$0.33	\$12.97	PRO-2
FAC						
Disconnect						
FAC	39.62	100.00%	39.62	\$0.33	\$12.97	PRO-2
Change C.O. Interconnection						
FAC	19.81	100.00%	19.81	\$0.33	\$6.48	PRO-2

GTE - Ohio
Wholesale Non-recurring Cost Study
Field Work
Line Sharing Summary

Description	Initial Line		Additional Lines				Destination
	Field Installation		Field Installation		Total		
	CO Work	Field Installation	CO Work	Field Installation	CO Work	Field Installation	
	CO Work	Field Installation	CO Work	Field Installation	CO Work	Field Installation	
	CO Work	Field Installation	CO Work	Field Installation	CO Work	Field Installation	
A=LSC-1	B=LSC-1	D=LSC-1	E=LSC-1	C=A + B	F=D + E		
Unbundled Network Elements (UNEs)							
Exchange Products							
Line Sharing							
GTE CO Splitter							
New							
Disconnect							
Change CO Interconnection							
CLEC CO Splitter							
New	\$17.24	n/a	\$12.91	n/a	\$17.24	\$12.91	
Disconnect	\$13.73	n/a	\$9.41	n/a	\$13.73	\$9.41	
Change CO Interconnection	\$8.54	n/a	\$7.10	n/a	\$8.54	\$7.10	

Not Included In
This Filing

GTE - Ohio
Wholesale Non-recurring Cost Study
Line Sharing
Central Office - Jumper Summary

Description	Number of Jumper Run/Break	Probability of Occurrence	Jumper Minutes per Ln/Ckt	Loaded Labor Rate	C.O. Jumper Wire 25' Increment	Cost	Destination
	A=AINS-17	B=AINS-17	C=AINS-17	D=AINS-17	E = AINS-17	F=A*B*C*D*E	
Unbundled Network Element							
Line Sharing							
Initial Line							
GTE C. O. Splitter							
Install							
Break							
Run							
Total							
Change CO Interconnection							
Disconnect							
Break							
Run							
Total							
CLEC C. O. Splitter							
Install							
Break	1	100.00%	5.42	\$0.63		\$3.41	
Run	2	100.00%	10.46	\$0.63		\$13.15	
Run Jumpers - 25'	2				\$0.34	\$0.68	
Total						\$17.24	0
Change CO Interconnection						\$8.54	FWS-5
Disconnect							
Break	2	100.00%	5.42	\$0.63		\$6.82	
Run	1	100.00%	10.46	\$0.63		\$6.57	
Run Jumper - 25'	1				\$0.34	\$0.34	
Total						\$13.73	0

Not Included In
This Filing

GTE - Ohio
Wholesale Non-recurring Cost Study
Line Sharing
Central Office - Jumper Summary

Description	Number of Jumper Run/Break	Probability of Occurrence	Jumper Minutes per Ln/Ckt	Loaded Labor Rate	C.O. Jumper Wire 25' Increment	Cost	Destination
	A=AINS-17	B=AINS-17	C=AINS-17	D=AINS-17	E = AINS-17	F=A*B*C*D*E	
Unbundled Network Element							
Line Sharing							
Additional Line							
GTE C. O. Splitter							
Install							
Break							
Run							
Total							
Change CO Interconnection							
Disconnect							
Break							
Run							
Total							
CLEC C. O. Splitter							
Install							
Break							
Run							
Run Jumpers - 25'							
Total							
Change CO Interconnection							
Disconnect							
Break							
Run							
Run Jumper - 25'							
Total							

Not Included In
This Filing

1	100.00%	3.13	\$0.63	\$1.97		
2	100.00%	8.17	\$0.63	\$10.27		
2	0.00%			\$0.34	\$0.68	0
					\$12.91	FWS-5
	100.00%	11.30	\$0.63	\$7.10		
2	100.00%	3.13	\$0.63	\$3.93		
1	100.00%	8.17	\$0.63	\$5.13		
1	0.00%			\$0.34	\$0.34	0
					\$9.41	

GTE - Ohio
Wholesale Non-recurring Cost Study
Expanded Interconnection Services (Collocation)
CLEC Virtual Splitter Installation Costs

INSTALLATION NON-RECURRING COST (NRC)

STATE: OHIO
BNF: Line Sharing for CLP provided ADSL
DESCRIPTION: VIRTUAL COLLOCATION CLP PROVIDED SPLITTER UNIT

**Not Included In
This Filing**

Not Included In This Filing

GTE - Ohio
Wholesale Non-recurring Cost Study
Expanded Interconnection Services (Collocation)
CLEC Virtual Splitter Input Sheet

Not Included In This Filing

GTE - Ohio
Wholesale Non-recurring Cost Study
CLEC Virtual Splitter Installation
Labor, ACFs, & Material Factors

Not Included In This Filing

GTE - Ohio

OSS Cost Summary

OSS Transition Costs

Source	GTE Total Company
CTRI-1	\$43,466,089
Incurred OSS Transition Costs - 1996-1998	

1999 Capitalized OSS Transition Costs							
		National Annual License Fees					
		1999	2000	2001	2002	2003	2004
<u>GTE Total OSS D&E</u>							
<u>Amount Capitalized</u>							
Source							
CTRI-4		\$0	\$2,653,787	\$2,653,787	\$2,653,787	\$2,653,787	\$2,653,787

OSS Transaction-Specific Costs

Source	1999 National Wholesale Transaction-Specific Costs
CTRA-1	Total \$10,637,293

GTE - Ohio
Wholesale Non-recurring Cost Study
OSS Transaction Costs
1999 Wholesale II/DP Costs

Systems	Total A	Retail/ Wholesale/Access		Wholesale Only Costs C	Retail Only Costs D	Access Only Costs E	PIC Only Costs F
		Shared Costs B					
1 NOCV	\$50,615,909.00	\$50,615,909.00					
2 SORCES	\$2,853,138.00	\$2,853,138.00					
3 SUBSCRIPT. SVCS.	\$6,791,517.00					\$2,484,911.00	\$6,791,517.00
4 ACG	\$2,484,911.00						
5 BUSINESS EXPRESS	\$1,612,053.00				\$1,612,053.00		
6 AWAS	\$1,234,771.31	\$1,234,771.31					
7 CALIFORNIA SUPPORT SYSTEMS	\$6,496,140.00	\$6,496,140.00					
8 CMSS	\$4,307,477.00				\$4,307,477.00		
9 CNAS	\$997,404.00	\$997,404.00					
10 COFEE-NETWORK SVCS	\$965,257.00				\$965,257.00		
11 ELECTRONIC BONDING	\$2,952,078.00						
12 RECOUP	\$1,564,974.00				\$1,564,974.00		
13 SIGS GATEWAY	\$6,982,125.00		\$6,982,125.00				
14 SODA	\$5,184,100.00	\$5,184,100.00					
15 SOP	\$1,240,333.00	\$1,240,333.00					
16 TCAL	\$377,853.00				\$377,853.00		
17 LSR ORDERING	\$188,262.00		\$188,262.00				
18 TBS	\$2,243,241.00						
19 OMT	\$1,223,051.00		\$1,223,051.00				
20 NEDAS	\$28,323.00		\$28,323.00				
21 EXACT/TUF	\$2,408,312.00					\$2,408,312.00	
22 Sub-total Non-recurring Shared Costs (Note 1)	\$102,751,229.31	\$70,893,359.31	\$8,393,438.00	\$8,827,614.00	\$6,369,262.00	\$8,267,556.00	
23 Wholesale/Retail/ Access Percent (Note 2)			3.17%	96.00%	0.84%		
24 Wholesale/Retail/ Access Shared Costs (Percentage * B22)			\$2,243,855.36	\$68,055,201.90	\$594,302.04		
25 Ordering & Provisioning Shared Costs			\$10,637,293.36	\$76,882,815.90	\$6,963,564.04	\$8,267,556.00	
26 Wholesale Ordering & Provisioning Shared Costs	\$10,637,293.36						

Notes:

- 1) The national cost data consists of the actual Non-recurring system II/DP costs from the GTE SIR database (CTRA-2). These are system maintenance expenses and do not include development or enhancement costs.
- 2) These national percentages were derived from the actual 1999 order volumes (CTRA-3).

GTE Wholesale Non-Recurring Cost Study

Ohio

Table of Appendix Exhibits - Ordering by Page

	Exhibit Name	Page
Ordering Inputs -----	AOIS	A2-5
Weighted Loaded Labor Rates Calculation -----	AOLR	A2-26
Manual Order Processing - Work Sampling Summary -----	AMON	A2-27
Manual Order Editing - Work Sampling Summary -----	AMOE	A2-29
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Wholesale Non-recurring Cost Study
Ordering
Ordering Inputs

Description	Semi-						Annual Costs	Destination
	Source	Manual Minutes per Order	Mechanized Minutes per Order	Mechanized Minutes per Order	LLR per Minute			
		A=Source	B=Source	C=Source	D=AOLR-1			
Not Included In This Filing								
Unbundled Network Elements (UNEs) Line Sharing Order Processing GTE CO Splitter New Disconnect Change CO Interconnection	ALSO-1	33.10	33.10	n/a				ORD-18
	ALSO-1	14.33	14.33	n/a				ORD-18
	ALSO-1	10.70	10.70	n/a				ORD-18
Loop Conditioning Order Processing Bridged Tap Removal One Occurrence Multiple Occurrences	ALCO-1	n/a	n/a	n/a		\$0.36		ORD-19
	ALCO-1	n/a	n/a	n/a				ORD-19
	ALCO-1	n/a	n/a	n/a				ORD-19
Load Coil Removal Load Coil Removal Only Combinations Bridged Tap (One) and Load Coil Removal Bridged Tap (Multiple) and Load Coil Removal	ALCO-1	n/a	n/a	n/a				ORD-19
	ALCO-1	n/a	n/a	n/a				ORD-19
	ALCO-1	n/a	n/a	n/a				ORD-19

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AOIS-6

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Ordering Inputs

Description	Semi-					
	Source	Manual		Mechanized		LLR per Minute
		Order	Minutes per Order	Order	Minutes per Order	
		A=Source	B=Source	C=Source	D=AOLR-1	Annual Costs
UNE-Platforms (UNE-Ps) Order Processing Exchange Products Basic	AUNP-1	24.01	24.01	n/a		
	AUNP-1	12.14	12.14	n/a		
	AUNP-1	19.88	19.88	n/a		
	AUNP-1	21.92	21.92	n/a		
	AUNP-1	14.60	14.60	n/a		
Complex Non-digital New Disconnect Migration As Is Migration As Is +/- Change Line Feature	AUNP-1	41.66	41.66	n/a		
	AUNP-1	12.14	12.14	n/a		
	AUNP-1	27.72	27.72	n/a		
	AUNP-1	37.03	37.03	n/a		
	AUNP-1	14.60	14.60	n/a		
Complex Digital New Disconnect Migration As Is Migration As Specified Change Line Feature Change Switch Feature Group	AUNP-1	41.66	41.66	n/a		
	AUNP-1	12.14	12.14	n/a		
	AUNP-1	27.72	27.72	n/a		
	AUNP-1	37.03	37.03	n/a		
	AUNP-1	14.60	14.60	n/a		
Complex Digital New Disconnect Migration As Is Migration As Specified Change Line Feature Change Switch Feature Group	AUNP-1	41.66	41.66	n/a		
	AUNP-1	12.14	12.14	n/a		
	AUNP-1	27.72	27.72	n/a		
	AUNP-1	37.03	37.03	n/a		
	AUNP-1	14.60	14.60	n/a		

ORD-24..31
 \$0.36

ORD-24
 ORD-24
 ORD-24
 ORD-25
 ORD-25

ORD-26
 ORD-26
 ORD-26
 ORD-27
 ORD-27
 ORD-28

ORD-29
 ORD-29
 ORD-29
 ORD-30
 ORD-30
 ORD-31

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GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering
Ordering Inputs

Description	Semi-					
	Manual		Mechanized		LLR per	
	Source	Minutes per Order	Minutes per Order	Minutes per Order	Minute	Annual Costs
	A=Source	B=Source	C=Source	D=AOLR-1		Destination
UNE-Platforms (UNE-Ps) Order Processing Advanced/Special Products Complex New Disconnect Migration As Is Migration As Specified Change Record Order (All UNE-Ps)	AUNP-2	73.18	73.18	n/a		ORD-32
	AUNP-2	12.14	12.14	n/a		ORD-32
	AUNP-2	32.46	32.46	n/a		ORD-32
	AUNP-2	56.48	56.48	n/a		ORD-33
	AUNP-2	14.60	14.60	n/a		ORD-33
	AUNP-2	11.63	11.63	n/a		ORD-33
					\$0.36	ORD-32..33

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering - NOMC
Line Sharing Order Processing - Minutes per Order

Description	Manual and Semi-Mechanized		Destination
	Mechanized Minutes per Order	Mechanized Minutes per Order	
Unbundled Network Elements (UNEs) Line Sharing Order Processing GTE CO Splitter New Disconnect Change CO Interconnection CLEC CO Splitter New Disconnect Change CO Interconnection	A=Note 1	B=Note 1	
	33.10	n/a	AOIS-6
	14.33	n/a	AOIS-6
	10.70	n/a	AOIS-6

Not Included In
This Filing

Note 1: Provided by NOMC Staff Support personnel.

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Wholesale Non-recurring Cost Study Ordering - NOMC

UNE-Platforms (UNE-Ps) Order Processing - Minutes per Order

Description	Current				Manual and Semi-Mech Orders				Mechanized Orders			
	Source	Minutes per		A=Source	Adjustment		B=Note 1	C=A*(1-B)	Adjustment		D	E=A*(1-D)
		Order	Order		Percent	Minutes per			Percent	Minutes per		
UNE-Platforms (UNE-Ps) Order Processing Exchange Basic												
	New		28.25		15.00%	24.01			n/a	n/a		AOIS-8
	Disconnect		14.29		15.00%	12.14			n/a	n/a		AOIS-8
	Migration As Is		23.39		15.00%	19.88			n/a	n/a		AOIS-8
	Migration As Is +/-		25.79		15.00%	21.92			n/a	n/a		AOIS-8
Complex Non-digital	Change Line Feature		17.17		15.00%	14.60			n/a	n/a		AOIS-8
	New		49.01		15.00%	41.66			n/a	n/a		AOIS-8
	Disconnect		14.29		15.00%	12.14			n/a	n/a		AOIS-8
	Migration As Is		32.61		15.00%	27.72			n/a	n/a		AOIS-8
	Migration As Specified		43.57		15.00%	37.03			n/a	n/a		AOIS-8
Complex Digital	Change Line Feature		17.17		15.00%	14.60			n/a	n/a		AOIS-8
	Change Switch Feature Group		17.17		15.00%	14.60			n/a	n/a		AOIS-8
	New		49.01		15.00%	41.66			n/a	n/a		AOIS-8
	Disconnect		14.29		15.00%	12.14			n/a	n/a		AOIS-8
	Migration As Is		32.61		15.00%	27.72			n/a	n/a		AOIS-8
Change Line Feature	Migration As Specified		43.57		15.00%	37.03			n/a	n/a		AOIS-8
	Change Line Feature		17.17		15.00%	14.60			n/a	n/a		AOIS-8
	Change Switch Feature Group		17.17		15.00%	14.60			n/a	n/a		AOIS-8
	New		49.01		15.00%	41.66			n/a	n/a		AOIS-8
	Disconnect		14.29		15.00%	12.14			n/a	n/a		AOIS-8

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Wholesale Non-recurring Cost Study Ordering - NOMC

UNE-Platforms (UNE-Ps) Order Processing - Minutes per Order

Description	Current			Manual and Semi-Mech Orders			Mechanized Orders		
	Source	Minutes per Order	Adjustment Percent	Adjustment Percent	Minutes per Order	Adjustment Percent	Minutes per Order	Adjustment Percent	Destination
UNE-Platforms (UNE-Ps) Order Processing Advanced/Special Complex									
	AACD-1	86.10	15.00%		73.18	n/a	n/a		AOIS-9
	AEBD-3	14.29	15.00%		12.14	n/a	n/a		AOIS-9
	AACD-1	38.19	15.00%		32.46	n/a	n/a		AOIS-9
	AACD-2	66.45	15.00%		56.48	n/a	n/a		AOIS-9
	AEBD-3	17.17	15.00%		14.60	n/a	n/a		AOIS-9
Record (All UNE-Ps)	AEBD-3	13.68	15.00%		11.63	n/a	n/a		AOIS-9

Note 1: Provided by NOMC Staff Support personnel.

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering - NOMC
NOMC Exchange Basic Order Work Sampling Summary

Ln	Description	Source	Observations	Direct Minutes	Total Minutes	Activity Volume	Current Minutes	Destination
A=Note 1 B=A*15 C=B*(1+Ln B43) D=Nnote 1 E=C/D								
UNE-Platforms (UNE-Ps)								
Exchange								
Basic								
New								
1	Review LSR		27					
2	LSR Reject		11					
3	Error Correction		6					
4	Review Account/Profile		2					
5	Directory Listing/Inquiry		1					
6	Order Entry		117					
7	Local Service Confirmation		41					
8	Telephone Call		94					
9	Total	Sum Lns (1..8)	299	4,485	6,581.88	233	28.25	AUNP-1
Migration As Is								
10	Review LSR		2					
11	LSR Reject		1					
12	Order Entry		6					
13	Local Service Confirmation		2					
14	Telephone Call		6					
15	Total	Sum Lns (10..14)	17	255	374.22	16	23.39	AUNP-1

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering - NOMC
NOMC Exchange Basic Order Work Sampling Summary

Ln	Description	Source	Observations	Direct Minutes	Total Minutes	Activity Volume	Current Minutes per Order	Destination
			A=Note 1	B=A*15	C=B*(1+Ln B43)	D=Note 1	E=C/D	
	UNE-Platforms (UNE-Ps)							
	Exchange							
	Basic							
	Migration As Is +/-							
16	Review LSR		27					
17	LSR Reject		11					
18	Error Correction		4					
19	Review Account/Profile		3					
20	Directory Listing/Inquiry		2					
21	Order Entry		100					
22	Local Service Confirmation		38					
23	Telephone Call		95					
24	Total	Sum Lns (16..23)	280	4,200	6,163.64	239	25.79	AUNP-1

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering - NOMC
NOMC Exchange Basic Order Work Sampling Summary

Ln	Description	Source	Observations	Direct Minutes	Total Minutes	Activity Volume	Current Minutes per Order	Destination
			A=Note 1 B=A*15 C=B*(1+Ln B43) D=Note 1 E=C/D					
UNE-Platforms (UNE-Ps)								
Exchange and Advanced/Special								
Disconnect								
25	Order Entry		89					
26	LSR Reject		3					
27	Local Service Confirmation		6					
28	Total	Sum Lns (25..27)	98	1,470	2,157.27	151	14.29	AUNP-1,2
29	Change		149	2,235	3,279.94	191	17.17	AUNP-1,2
30	Record		23	345	506.30	37	13.68	AUNP-2
31	Preordering		54	810	1,188.70	144	8.25	
32	Customer Record Search		129	1,935	2,839.68	243	11.69	
33	Miscellaneous		29	435				
34	Total Direct Productive Time	Ln9+Ln15+Ln24+Lns28..33	1,078	16,170				

GTE - Ohio
Wholesale Non-recurring Cost Study
Ordering - NOMC
NOMC Exchange Basic Order Work Sampling Summary

Ln	Description	Source	Observations	Direct Minutes	Total Minutes	Activity Volume	Current Minutes	Destination
			A=Note 1	B=A*15	C=B*(1+Ln B43)	D=Note 1	E=C/D	
35	Indirect Factor Calculation		45					
36	Indirect Productive Observations		258					
37	Meetings		46					
38	Telephone Inquiry		31					
39	Job Aids		4					
40	Coaching		29					
41	Table/Memo/Form		91					
42	NOCV / ADS Queues		504	7,560				
	Breaks							
	Total	Sum Lns (35..41)						
43	Indirect Factor	Ln42 / Ln34		46.75%				

Note 1: Source is the Work Sampling study conducted on Resale services at the Durham, NC NOMC. Resale services are used as a proxy for UNE-Ps.

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering - NOMC

NOMC Subject Matter Expert Work Time Development - Exchange Complex

Ln	Description	Minutes per Task A=Note 1	Probability of Occurrence B=Note 1	Weighted Minutes per Order C=A*B	Current Minutes per Order D=C*(1+Ln B28)	Destination
UNE-Platforms (UNE-Ps)						
Exchange Complex New						
1	Review LSR	6.00	100.0%	6.00		
2	LSR Reject	6.10	18.5%	1.13		
3	Error Correction	4.80	15.0%	0.72		
4	Directory Listing/Inquiry	3.00	5.0%	0.15		
5	Order Entry	23.50	100.0%	23.50		
6	Jeopardy Notification	5.00	10.9%	0.55		
7	Local Service Confirmation	3.90	100.0%	3.90		
8	Telephone Call	10.00	100.0%	10.00		
9	Total			45.94	49.01	AUNP-1
Migration As Is						
10	Review LSR	3.00	100.0%	3.00		
11	LSR Reject	5.00	18.5%	0.93		
12	Error Correction	4.00	15.0%	0.60		
13	Review Account/Profile	2.00	100.0%	2.00		
14	Directory Listing/Inquiry	5.00	5.0%	0.25		
15	Order Entry	14.90	100.0%	14.90		
16	Local Service Confirmation	3.90	100.0%	3.90		
17	Telephone Call	5.00	100.0%	5.00		
18	Total			30.58	32.61	AUNP-1

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering - NOMC

NOMC Subject Matter Expert Work Time Development - Exchange Complex

Ln	Description	Minutes per Task A=Note 1	Probability of Occurrence B=Note 1	Weighted Minutes per Order C=A*B	Current Minutes per Order D=C*(1+Ln B28)	Destination
UNE-Platforms (UNE-Ps)						
Exchange Complex						
Migration As Specified						
19	Review LSR	6.00	100.0%	6.00		
20	LSR Reject	5.90	18.5%	1.09		
21	Error Correction	4.00	15.0%	0.60		
22	Review Account/Profile	2.00	100.0%	2.00		
23	Directory Listing/Inquiry	5.00	5.0%	0.25		
24	Order Entry	22.00	100.0%	22.00		
25	Local Service Confirmation	3.90	100.0%	3.90		
26	Telephone Call	5.00	100.0%	5.00		
27	Total			40.84	43.57	AUNP-1
28	Indirect Factor					

6.67%

Note 1: Provided by NOMC Staff Support personnel for Resale services. Resale services are used as a proxy for UNE-Ps.

GTE - Ohio

Wholesale Non-recurring Cost Study Ordering - NOMC

NOMC Subject Matter Expert Work Time Development - Advanced/Special Complex

Ln	Description	Minutes per Task A=Note 1	Probability of Occurrence B=Note 1	Weighted Minutes per Order C=A*B	Current Minutes per Order D=C*(1+Ln B28)	Destination
UNE-Platforms (UNE-Ps) Advanced/Special Complex						
New						
1	Review LSR	7.00	100.0%	7.00		
2	LSR Reject	6.80	18.5%	1.26		
3	Error Correction	4.80	15.0%	0.72		
4	Directory Listing/Inquiry	5.80	5.0%	0.29		
5	Order Entry	63.50	100.0%	63.50		
6	Jeopardy Notification	5.00	10.9%	0.55		
7	Local Service Confirmation	3.90	100.0%	3.90		
8	Telephone Call	10.50	100.0%	10.50		
9	Total			80.71	86.10	AUNP-2
Migration As Is						
10	Review LSR	4.30	100.0%	4.30		
11	LSR Reject	5.80	18.5%	1.07		
12	Error Correction	5.20	15.0%	0.78		
13	Review Account/Profile	2.50	100.0%	2.50		
14	Directory Listing/Inquiry	5.00	5.0%	0.25		
15	Order Entry	18.00	100.0%	18.00		
16	Local Service Confirmation	3.90	100.0%	3.90		
17	Telephone Call	5.00	100.0%	5.00		
18	Total			35.80	38.19	AUNP-2

GTE - Ohio

Wholesale Non-recurring Cost Study

Ordering - NOMC

NOMC Subject Matter Expert Work Time Development - Advanced/Special Complex

Ln	Description	Minutes per Task	Probability of Occurrence	Weighted Minutes per Order	Current Minutes per Order	Destination
		A=Note 1	B=Note 1	C=A*B	D=C*(1+Ln B28)	
	UNE-Platforms (UNE-Ps)					
	Advanced/Special					
	Complex					
	Migration As Specified					
19	Review LSR	7.00	100.0%	7.00		
20	LSR Reject	5.90	18.5%	1.09		
21	Error Correction	5.00	15.0%	0.75		
22	Review Account/Profile	2.00	100.0%	2.00		
23	Directory Listing/Inquiry	5.00	5.0%	0.25		
24	Order Entry	42.30	100.0%	42.30		
25	Local Service Confirmation	3.90	100.0%	3.90		
26	Telephone Call	5.00	100.0%	5.00		
27	Total			62.29	66.45	AUNP-2
28	Indirect Factor					

6.67%

Note 1: Provided by NOMC Staff Support personnel for Resale services. Resale services are used as a proxy for UNE-Ps.

GTE-Ohio
Wholesale Non-recurring Cost Study
Provisioning- Exchange Products
Input Sheet

Description	Source	Weighted Minutes per Occurrence	Probability of Occurrence	Weighted LLR per Minute	Destination
A= AWML- 1..9 B= APCT-1..9 C= Source					
Unbundled Network Elements (UNEs)					
Exchange Products					
Line Sharing					
GTE CO Splitter					
Complex Digital					
New					
FAC					
Disconnect					
FAC					
Change C.O. Interconnection					
FAC					
CLEC CO Splitter					
Complex Digital					
New					
FAC		39.62	100.00%		PRC-6
Disconnect					
FAC		39.62	100.00%		PRC-6
Change C.O. Interconnection					
FAC		19.81	100.00%		PRC-6

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Wholesale Non-recurring Cost Study
Provisioning- Exchange Products
Weighted Minutes per Line

	Description	Source	Minutes per Occurrence	Service Order Lines	Weighted Total	Weighted Minutes per Occurrence	Destination
			A=AMPUL				
			1..8	B= Source	C= A*B	D=C/B	
Not Included In This Filing							
46	Unbundled Network Elements (UNEs) Exchange Products Line Sharing GTE CO Splitter Complex Digital New FAC Disconnect						
47	FAC						
48	Change C.O. Interconnection FAC						
49	CLEC CO Splitter Complex Digital New FAC Disconnect	Note 1	39.62	N/A	39.62	39.62	AINP-7
50	FAC	Note 1	39.62	N/A	39.62	39.62	AINP-7
51	Change C.O. Interconnection FAC	Note 1	19.81	N/A	19.81	19.81	AINP-7

GTE-Ohio
Wholesale Non-recurring Cost Study
Provisioning- Exchange Products
Minutes Per Line Calculation

Description	Minutes per						Destination
	Touch	Touched Order	Minutes per Order	Lines per Order	Occurrence		
Unbundled Network Elements (UNEs) Exchange Products Line Sharing GTE CO Splitter Complex Digital New FAC Disconnect FAC Change C.O. Interconnection FAC CLEC CO Splitter Complex Digital New FAC Disconnect FAC Change C.O. Interconnection FAC	A = ACXI-1	B = ACXI-1..10	C = A*B	D = ACXI-1..10	E = C/D		
	19.81	2.000	39.62	N/A	39.62	AWML-6	
	19.81	2.000	39.62	N/A	39.62	AWML-6	
	19.81	1.000	19.81	N/A	19.81	AWML-6	

Not Included In
 This Filing

GTE-Ohio
Wholesale Non-recurring Cost Study
Provisioning- Exchange Products
Order/Touch Summary

Description	Touches per			
	Source	Lines per Order	Touched Order	Minutes per Touch Destination
Unbundled Network Elements (UNEs) Exchange Products Line Sharing GTE CO Splitter Complex Digital New FAC Disconnect FAC Change C.O. Interconnection FAC CLEC CO Splitter Complex Digital New FAC Disconnect FAC Change C.O. Interconnection FAC	A= ALNS- 1..3	B= ASME- 1..9	C= Source	
	Not Included In This Filing			
	N/A	2,000		AMPU-6
	N/A	2,000		AMPU-6
	N/A	1,000		AMPU-6

GTE-Ohio

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GTE - Ohio
Wholesale Non-recurring Cost Study
Field Work
Input Sheet

Description	Field		Central Office						
	Number of Jumper Run/Break	Minutes per Order	Probability of Occurrence	Number of Jumper Run/Break	Minutes per Ckt	Probability of Occurrence	Loaded Labor Rate	C.O Jumper Wire 25' Increment	Destination
	A=ALSH- 1	B=ALSH- 1	C=ALSH- 1	F=ALSH- 1	G=ALSH- 1	H=ALSH- 1	I=ALLR- 1		
Unbundled Network Elements (UNEs)									
Exchange Products									
Line Sharing									
Initial Line									
GTE CO Splitter									
New									
Break									
Run									
Change CO Interconnection									
Disconnect									
Break									
Run									
CLEC CO Splitter									
New									
Break									
Run									
Run Jumpers - 25'									
Change CO Interconnection									
Disconnect									
Break									
Run									
Run Jumpers - 25'									

Not Included In
This Filing

GTE - Ohio
Wholesale Non-recurring Cost Study
Field Work
Input Sheet

Description	Field		Central Office						
	Number of Jumper Run/Break	Minutes per Order	Probability of Occurrence	Number of Jumper Run/Break	Minutes per Ln/Ckt	Probability of Occurrence	Loaded Labor Rate Per Minute	C.O Jumper Wire 25' Increment	Destination
	1	1	1	1	1	1	1		n
A=ALSH- B=ALSH- C=ALSH- F=ALSH- G=ALSH- H=ALSH- I=ALLR-									
Unbundled Network Elements (UNEs)									
Exchange Products									
Line Sharing									
Additional Line									
GTE CO Splitter									
New									
Break									
Run									
Change CO Interconnection									
Disconnect									
Break									
Run									
CLEC CO Splitter									
New									
Break									
Run									
Run Jumpers - 25'									
Change CO Interconnection									
Disconnect									
Break									
Run									
Run Jumpers - 25'									

Not Included In
This Filing

n/a	n/a	1	3.13	100.00%	\$0.63		LSC-2
n/a	n/a	2	8.17	100.00%	\$0.63	\$0.34	LSC-2
n/a	n/a	2					LSC-2
n/a	n/a		11.30	100.00%	\$0.63		LSC-2
n/a	n/a	2	3.13	100.00%	\$0.63		LSC-2
n/a	n/a	1	8.17	100.00%	\$0.63		LSC-2
n/a	n/a	1				\$0.34	LSC-2

GTE - Ohio

Wholesale Non-recurring Cost Study

Field Work

Line Sharing (Central Office - Jumper Summary)

Description	Number of Jumper Run/Break per Ln/Ckt	Jumper Minutes	Probability of Occurrence	C.O. Jumper Wire Increment	Destination
A=Note 1 B=A/D/T C=Note 1 D = Note 3					
Unbundled Network Element					
Line Sharing					
Initial Line					
GTE C. O. Splitter					
Install					
Break					
Run					
Change CO Interconnection					
Disconnect					
Break					
Run					
CLEC C. O. Splitter					
Install					
Break	1	5.42	100.00%		AINS-16
Run	2	10.46	100.00%		AINS-16
Run Jumpers - 25'	2			\$0.34	AINS-16
Change CO Interconnection		13.59	100.00%		AINS-16
Disconnect					
Break	2	5.42	100.00%		AINS-16
Run	1	10.46	100.00%		AINS-16
Run Jumper - 25'	1			\$0.34	AINS-16

Not Included In
This Filing

GTE - Ohio

Wholesale Non-recurring Cost Study

Field Work

Line Sharing (Central Office - Jumper Summary)

Description	Number of Jumper Run/Break per Ln/Ckt	Jumper Minutes	Probability of Occurrence	C.O. Jumper Wire Increment	Destination
A=Note 1 B=A/JDT C=Note 1 D = Note 3					
Unbundled Network Element					
Line Sharing					
Additional					
GTE C. O. Splitter					
Install					
Break					
Run					
Change CO Interconnection					
Disconnect					
Break					
Run					
CLEC C. O. Splitter					
Install					
Break					
Run					
Run Jumpers - 25'					
Change CO Interconnection					
Disconnect					
Break					
Run					
Run Jumper - 25'					

Not Included In
This Filing

1	3.13	100.00%		AINS-17
2	8.17	100.00%	\$0.34	AINS-17
2	11.30	100.00%		AINS-17
2	3.13	100.00%		AINS-17
1	8.17	100.00%	\$0.34	AINS-17
1				AINS-17

Note 1: Number of Jumper for Install and Disconnect and Probability of Occurrence based on Headquarters staff support personnel.
 Note 2: Cost for jumper runs and breaks are not included in GTE EIS (Collocation) study. Line Sharing does not include Loop Conditioning.
 Note 3: Cost of jumper wire determined in ICM on a per jumper basis.