

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
H.2.10	VC - Security Escort - Basic, Per Half Hour	Half Hour		\$33.15	\$20.44	97-01262 (P)
H.2.11	VC -Security Escort - Overtime, Per Half Hour	Half Hour		\$41.50	\$25.61	97-01262 (P)
H.2.12	VC -Security Escort - Premium, Per Half Hour	Half Hour		\$49.86	\$30.79	97-01262 (P)
H.2.13	VC-2-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	97-01262 (P)
H.2.14	VC-4-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	97-01262 (P)
H.2.15	VC-DS1/DS3 Cross Connects-Incrm. Cost-Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	97-01262 (P)
H.2.16	VC - 2-fiber Cross Connects - Electronic Ordering	Cross Connect	\$3.03	\$41.56	\$29.82	99-00430 (P)
H.2.16	VC - 2-fiber Cross Connects - Manual Ordering	Cross Connect	\$3.03	\$44.25	\$32.51	99-00430 (P)
H.2.17	VC - 4-fiber Cross Connects - Electronic Ordering	Cross Connect	\$6.06	\$50.53	\$38.78	99-00430 (P)
H.2.17	VC - 4-fiber Cross Connects - Manual Ordering	Cross Connect	\$6.06	\$53.22	\$41.47	99-00430 (P)
H.3	Assembly Point					
H.3.1	Assembly Point: 2-Wire Cross Connects	Cross Connect	\$1.29	\$11.03	\$10.09	00-00544 (P)
H.3.2	Assembly Point: 4-Wire Cross Connects	Cross Connect	\$2.22	\$11.21	\$10.22	00-00544 (P)
H.3.3	Assembly Point: DS-1 Cross Connects	Cross Connect	\$12.77	\$28.30	\$16.79	00-00544 (P)
H.3.4	Assembly Point 2-Wire Cross Connect Incremental Cost Manual vs. Electronic Service Order	Cross Connect		\$1.87	\$1.87	00-00544 (P)
H.3.5	Assembly Point 4-Wire Cross Connect Incremental Cost Manual vs. Electronic Service Order	Cross Connect		\$1.87	\$1.87	00-00544 (P)
H.3.6	Assembly Point DS1 Cross Connect Incremental Cost Manual vs. Electronic Service Order	Cross Connect		\$1.87	\$1.87	00-00544 (P)
H.4	Adjacent Collocation					
H.4.1	Adjacent Collocation - Space Cost per Sq. Ft.	Square Foot	\$0.0656			00-00544 (I)
H.4.2	Adjacent Collocation - Electrical Facility Cost per Linear Ft.	Linear Foot	\$5.53			00-00544 (I)
H.4.3	Adjacent Collocation - 2-Wire Cross-Connects	Cross Connect	\$0.34	\$11.12	\$10.18	00-00544 (I)
H.4.4	Adjacent Collocation - 4-Wire Cross-Connects	Cross Connect	\$0.33	\$11.30	\$10.31	00-00544 (I)
H.4.5	Adjacent Collocation - DS1 Cross-Connects	Cross Connect	\$1.70	\$28.39	\$16.88	00-00544 (I)
H.4.6	Adjacent Collocation - DS3 Cross-Connects	Cross Connect	\$19.03	\$26.23	\$15.51	00-00544 (I)
H.4.7	Adjacent Collocation - 2-Fiber Cross-Connect	Cross Connect	\$3.49	\$26.23	\$15.51	00-00544 (I)
H.4.8	Adjacent Collocation - 4-Fiber Cross-Connect	Cross Connect	\$6.50	\$29.75	\$19.02	00-00544 (I)
	Adjacent Collocation - Cross-Connects - Manual Svc. Order vs. Electronic Svc. Order	Cross Connect		\$1.77	\$1.77	00-00544 (I)
H.4.9	Adjacent Collocation - Application Cost	Application		\$2,973		00-00544 (I)
H.4.16	Adjacent Collocation - 120V, Single Phase Standby Power Cost per AC Breaker Amp	Per AC Breaker Amp	\$5.81			00-00544 (I)
H.4.17	Adjacent Collocation - 240V, Single Phase Standby Power Cost per AC Breaker Amp	Per AC Breaker Amp	\$11.64			00-00544 (I)
H.4.18	Adjacent Collocation - 120V, Three Phase Standby Power Cost per AC Breaker Amp	Per AC Breaker Amp	\$17.45			00-00544 (I)
H.4.19	Adjacent Collocation - 277V, Three Phase Standby Power Cost per AC Breaker Amp	Per AC Breaker Amp	\$40.30			00-00544 (I)
H.6	Collocation in the Remote Terminal (RT) - Physical/Virtual					

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

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SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

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				First	Additional	
H.6.1	Collocation In The Remote Terminal - Application Fee	Application, per RT		\$580.20		00-00544 (P)
H.6.2	Collocation In The Remote Terminal - Per Rack/Bay	Per Rack/Bay	\$220.41			00-00544 (P)
H.6.3	Collocation In The Remote Terminal - Security Access Key	Per Key		\$24.69		00-00544 (P)
H.6.4	Collocation in the RT - Space Availability Report per premises requested	Per Report/Per Premises		\$218.49		00-00544 (P)
H.6.5	Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested	Per CLLI Code Requested		\$70.81		00-00544 (P)
I.0	SERVICE PROVIDER NUMBER PORTABILITY					
I.1	Service Provider Number Portability - RCF					
I.1.1	SPNP - RCF, Per number ported	Number Ported	\$1.24	\$0.46		97-01262 (P)
I.1.2	SPNP - RCF, Per additional path	Path	\$0.15			97-01262 (P)
I.1.3	SPNP - RCF, Per Service Order, Per Location	Service Order, per Location		\$0.74		97-01262 (P)
						97-01262 (P)
I.2	Service Provider Number Portability - DID					97-01262 (P)
I.2.1	SPNP - DID, Per Number Ported, Residence	Number Ported		\$0.94		97-01262 (P)
I.2.2	SPNP - DID, Per Number Ported, Business	Number Ported		\$0.94		97-01262 (P)
I.2.3	SPNP - DID, Per Service Order, Per Location	Service Order, per Location		\$0.74		97-01262 (P)
I.2.4	SPNP - DID, per trunk termination, initial	Trunk	\$7.86	\$129.66		97-01262 (P)
I.2.5	SPNP - DID, per trunk termination, subsequent	Trunk	\$7.69	\$37.32		97-01262 (P)
I.2.6	SPNP - Manual Svc Order vs Electronic	Trunk		\$20.35	\$21.09	97-01262 (P)
I.2.7	SPNP - Incremental Cost - Manual Svc Order vs Electronic	Trunk		\$20.35	\$21.09	97-01262 (P)
I.3	Service Provider Number Portability - Manual Svc Order vs. Electronic					
I.3.1	SPNP - Incremental Cost - Manual Svc Order vs. Electronic	Service Order, per Location		\$20.35	\$21.09	97-01262 (P)
I.4	Service Provider Number Portability RIPH					
I.4.1	SPNP - RIPH, Functionality, Per Central Office	Central Office		\$180.61		97-01262 (P)
I.4.2	SPNP - RIPH, Functionality, Per Rearrangement	Rearrangement		\$68.83		97-01262 (P)
I.5	Service Provider Number Portability RI-PH (SPNP-RI-PH)					
I.5.1	SPNP - RI-PH, per number ported	Number Ported	\$0.87	\$0.34		97-01262 (P)
I.5.2	SPNP - RI-PH, Per Service Order, Per Location	Service Order, per Location		\$0.74		97-01262 (P)
J.0	OTHER					
J.1	Dark Fiber					

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

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				First	Additional	
J.1.1	Dark fiber, per 4 fiber strands, per route mile or fraction thereof	4 Fiber Strands, per Route Mile or Fraction Thereof	\$53.23	\$1,219.22	\$169.75	97-01262 (P)
J.1.2	Dark Fiber, Per Four Fiber Strands, Per Route Mile or Fraction Thereof - Local Channel/Loop	4 Fiber Strands, per Route Mile or Fraction Thereof	\$58.83	\$1,121	\$153.19	00-00544 (I)
J.1.3	Dark Fiber, Per Four Fiber Strands, Per Route Mile or Fraction Thereof - Interoffice	4 Fiber Strands, per Route Mile or Fraction Thereof	\$28.74	\$1,121	\$153.19	00-00544 (I)
J.3	LOOP MAKE-UP					
J.3.1	Mechanized Loop Make-up	Per Query	\$0.76			00-00544 (I)
J.3.3	Manual Loop Make-up w/o Facility Reservation Number	Per Request		\$0.76		00-00544 (I)
J.3.4	Manual Loop Make-up w/ Facility Reservation Number	Per Request		\$0.76		00-00544 (I)
J.4	LINE SHARING SPLITTER IN THE CENTRAL OFFICE					
J.4.1	Line Sharing Splitter - per Splitter System 96-Line Capacity in the Central Office	Per Splitter System	\$100.00	\$150.00		00-00544 (I)
J.4.2	Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office	Per Splitter System	\$25.00	\$150.00		00-00544 (I)
J.4.3	Line Sharing Splitter - per Line Activation in the Central Office	Per Line	\$0.61	\$40.00	\$31.39	00-00544 (Rec. is Permanent; NRC is Interim)
J.4.4	Line Sharing Splitter - per Subsequent Activity per Line Arrangement	Per Line		\$30.00	\$15.00	00-00544 (I)
J.4.6	Line Sharing - per CLEC/DLEC Owned Splitter in the Central Office (per LSOD)	Per LSOD		\$108.66		00-00544 (I)
J.4.7	Line Sharing - per CLEC/DLEC Owned Splitter in the Central Office (per order)	Per Order		\$54.40		00-00544 (I)
J.4.8	Line Sharing - per CLEC/DLEC Owned Splitter in the Central Office (per occurrence of each group of 24 lines (48 pairs))	Per Occurrence			(S) \$15.63	00-00544 (I)
J.5	ACCESS TO THE DCS					
J.5.1	Customer Reconfiguration Establishment	Per Request		\$2.78		00-00544 (I)
J.5.2	DS1 DCS Termination with DS0 Switching	Per Termination	\$23.35	\$41.14	\$34.25	00-00544 (I)
J.5.3	DS1 DCS Termination with DS1 Switching	Per Termination	\$13.46	\$27.79	\$20.90	00-00544 (I)
J.5.4	DS3 DCS Termination with DS1 Switching	Per Termination	\$150.88	\$41.14	\$34.25	00-00544 (I)
K.0	ADVANCED INTELLIGENT NETWORK (AIN) SERVICES					
K.1	BellSouth AIN SMS Access Service					
K.1.1	AIN SMS Access Service-Service Establishment, Per State, Initial Setup	State		\$135.56		97-01262 (P)
K.1.2	AIN SMS Access Service - Port Connection - Dial/Shared Access	Port Connection		\$41.75		97-01262 (P)
K.1.3	AIN SMS Access Service - Port Connection - ISDN Access	Port Connection		\$41.75		97-01262 (P)
K.1.4	AIN SMS Access Service - User Identification Codes - Per User ID Code	User ID Code		\$96.63		97-01262 (P)
K.1.5	AIN SMS Access Service - Security Card, Per User ID Code, Initial or Replacement	User ID Code		\$113.67		97-01262 (P)
K.1.6	AIN SMS Access Svc - Storage, per unit (100 kilobytes)	100 Kilobytes	\$0.0024			97-01262 (P)
K.1.7	AIN SMS Access Service - Session, per minute	Minute	\$0.0820123			97-01262 (P)
K.1.8	AIN SMS Access Svc-Company performed session, per minute	Minute	\$2.27			97-01262 (P)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

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				First	Additional	
K.2	BellSouth AIN Toolkit Service (AIN TS)					
K.2.1	AIN TS - Service Establishment Charge, Per State, Initial Setup	State		\$132.04		97-01262 (P)
K.2.2	AIN TS - Training Session, Per Customer	Customer		\$7,915.00		97-01262 (P)
K.2.3	AIN TS - Trigger Access Charge, Per Trigger, per DN,Term. Attempt	Trigger, per DN		\$31.21		97-01262 (P)
K.2.4	AIN TS - Trigger Access Charge, Per Trigger, per DN, Off Hook Delay	Trigger, per DN		\$31.21		97-01262 (P)
K.2.5	AIN TS - Trigger Access Charge, Per Trigger, per DN,Off-Hook Immediate	Trigger, per DN		\$31.21		97-01262 (P)
K.2.6	AIN TS - Trigger Access Charge, Per Trigger, per DN, 10-Digit PODP	Trigger, per DN		\$85.24		97-01262 (P)
K.2.7	AIN TS - Trigger Access Charge, Per Trigger, per DN, CDP	Trigger, per DN		\$85.24		97-01262 (P)
K.2.8	AIN TS - Trigger Access Charge, Per Trigger, per DN,Feature Code	Trigger, per DN		\$85.24		97-01262 (P)
K.2.9	AIN TS - Query Charge, Per Query	Query	\$0.0211882			97-01262 (P)
K.2.10	AIN TS - Type 1 Node Charge, per AIN Toolkit subscription, per Node, per query	AIN Subscription, per Node, per Query	\$0.0054774			97-01262 (P)
K.2.11	AIN TS - SCP Storage charge, per SMS access account, per 100 kilobytes	100 Kilobytes	\$1.50			97-01262 (P)
K.2.12	AIN TS - Monthly report - per AIN TS Subscription	AIN Subscription	\$17.43	\$33.52		97-01262 (P)
K.2.13	AIN TS - Special study - per AIN TS Subscription	AIN Subscription	\$0.1321116	\$36.23		97-01262 (P)
K.2.14	AIN TS - Call event report - per AIN TS Subscription	AIN Subscription	\$17.35	\$33.52		97-01262 (P)
K.2.15	AIN TS - Call event special study - per AIN TS Subscription	AIN Subscription	\$0.0511435	\$36.23		97-01262 (P)
L.0	ACCESS DAILY USAGE FILE (ADUF)					
L.1	Access Daily Usage File (ADUF)					
L.1.1	ADUF, Message Processing, per message	Message	\$0.0158054			00-00544 (I)
L.1.3	ADUF, Data Transmission (CONNECT:DIRECT), per message	Message	\$0.0001387			00-00544 (I)
M.0	DAILY USAGE FILES					
M.1	Enhanced Optional Daily Usage File					
M.1.1	Enhanced Optional Daily usage File: Message Processing, Per Message	Message	\$0.2921174			00-00544 (I)
P.0	UNBUNDLED LOOP COMBINATIONS					
	<i>Note: Pursuant to the Authority decision in Docket No. 97-01262, decided September 25, 2001, the non-recurring rates for all "new" combinations are interim rates that are subject to true-up. Permanent rates shall be established in the Generic Docket to Consider Technology Advances and Geographic Deaveraging (Docket No. 01-00339).</i>					
P.1	2-Wire Voice Grade Loop with 2-Wire Line Port	Combination				
	Zone 1		\$14.18			97-01262 (P)
	Zone 2		\$18.01			97-01262 (P)
	Zone 3		\$23.02			97-01262 (P)
P.1.3	2-Wire Voice Grade Loop/Line Port Combo - Switch-as-is	Combination		\$1.03	\$0.29	97-01262 (P)
	2-Wire Voice Grade Loop/Line Port Combo - NEW	Combination		\$22.14	\$15.25	97-01262 (P)
P.1.4	2-Wire Voice Grade Loop/Line Port Combo - Incremental Cost Manual Svc. Order vs Electronic	Combination		\$30.89	\$7.03	97-01262 (P)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

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SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

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P.1.5	2-Wire Voice Grade Loop/Line Port Combo - Subsequent Database Update	Combination		\$0.76		97-01262 (P)
P.1.6	2-Wire Voice Grade Loop/Line Port Combo -Subsequent Database Update - Incremental Manual Svc Order vs. Electronic	Combination		\$7.97		97-01262 (P)
P.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port	Combination				
	Zone 1		\$18.38			97-01262 (P)
	Zone 2		\$19.87			97-01262 (P)
	Zone 3		\$25.52			97-01262 (P)
P.3.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Switch-as-is	Combination		\$8.76	\$5.75	97-01262 (P)
	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - NEW	Combination		\$45.44	\$29.94	97-01262 (P)
P.3.4	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Incremental Cost Manual Svc Order vs. Electronic	Combination		\$41.43	\$9.80	97-01262 (P)
P.4	2-Wire ISDN Digital Grade Loop with 2-Wire ISDN Digital Line Side Port	Combination				
	Zone 1		\$32.27			97-01262 (P)
	Zone 2		\$34.78			97-01262 (P)
	Zone 3		\$44.32			97-01262 (P)
P.4.3	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Switch-as-is	Combination		\$117.23	\$117.23	97-01262 (P)
	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - NEW	Combination		\$141.75	\$118.37	97-01262 (P)
P.4.5	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Non Feature Subsequent Activity	Combination		\$212.88		97-01262 (P)
						97-01262 (P)
P.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port	Combination				97-01262 (P)
	Zone 1		\$132.58			97-01262 (P)
	Zone 2		\$150.25			97-01262 (P)
	Zone 3		\$173.44			97-01262 (P)
P.5.3	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo- Switch-as-is	Combination		\$328.53	\$328.53	97-01262 (P)
	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo- NEW			\$415.53	\$366.90	97-01262 (P)
P.5.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Channel Activation - Per Channel	Channel		\$28.39		97-01262 (P)
P.5.6	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward/2way Telephone Numbers	Group of Numbers		\$0.94		97-01262 (P)
P.5.7	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Outward Telephone Numbers	Group of Numbers		\$22.36		97-01262 (P)
P.5.8	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward Telephone Numbers	Group of Numbers		\$44.71		97-01262 (P)

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SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

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P.5.9	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Service Order Per Order	Order		\$189.76		97-01262 (P)
P.6	2-Wire Voice Grade Extended Loop With DS1 Dedicated Interoffice Transport					
	First 2-Wire Voice Grade with DS1 (excluding mileage)	Combination				
	Zone 1		\$176.10			97-01262 (P)
	Zone 2		\$181.17			97-01262 (P)
	Zone 3		\$187.82			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 2-Wire VG Loop and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
	Additional 2-Wire Voice Grade Loop in Same DS1 (excluding mileage)	Loop		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$17.47			97-01262 (P)
	Zone 2		\$22.54			97-01262 (P)
	Zone 3		\$29.19			97-01262 (P)
P.7	4-Wire Voice Grade Extended Loop With DS1 Dedicated Interoffice Transport					
	First 4-Wire Voice Grade Loop with DS1 (excluding mileage)	Combination				
	Zone 1		\$184.24			97-01262 (P)
	Zone 2		\$191.80			97-01262 (P)
	Zone 3		\$201.72			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 4-Wire VG Loop and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
	Additional 4-Wire Voice Grade in Same DS1 (excluding mileage)	Loop		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$25.61			97-01262 (P)
	Zone 2		\$33.17			97-01262 (P)
	Zone 3		\$43.09			97-01262 (P)

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SGAT
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April 26, 2002

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				First	Additional	
P.8	4-Wire 56 or 64 kbps Extended Digital Loop With Dedicated DS1 Interoffice Transport					
	First 4-Wire 56 or 64 kbps Digital Grade Loop with DS1 (excluding mileage)	Combination				
	Zone 1		\$190.64			97-01262 (P)
	Zone 2		\$200.16			97-01262 (P)
	Zone 3		\$212.65			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 4-Wire 56 or 64 kbps Digital Loop and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
	Additional 4-Wire 56 or 64 kbps in Same DS1 (excluding mileage)	Loop		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$32.01			97-01262 (P)
	Zone 2		\$41.52			97-01262 (P)
	Zone 3		\$54.02			97-01262 (P)
P.9	Extended 2-Wire Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport					
	First 2-Wire Local Channel with DS1 (excluding mileage)	Combination				
	Zone 1		\$176.72			97-01262 (P)
	Zone 2		\$181.98			97-01262 (P)
	Zone 3		\$188.88			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 2-Wire VG Dedicated Local Channel and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
	Additional 2-Wire Voice Grade Channel in Same DS1 (excluding mileage)	Channel		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$18.09			97-01262 (P)
	Zone 2		\$23.35			97-01262 (P)
	Zone 3		\$30.25			97-01262 (P)
P.10	Extended 4-Wire Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport					
	First 4-Wire Local Channel with DS1 (excluding mileage)	Combination				
	Zone 1		\$177.73			97-01262 (P)

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Rates
April 26, 2002

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				First	Additional	
	Zone 2		\$183.29			97-01262 (P)
	Zone 3		\$190.59			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 4-Wire VG Dedicated Local Channel and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
						97-01262 (P)
	Additional 4-Wire Voice Grade Channel in Same DS1 (excluding mileage)	Channel		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$19.09			97-01262 (P)
	Zone 2		\$24.66			97-01262 (P)
	Zone 3		\$31.96			97-01262 (P)
P.11	Extended 4-Wire DS1 Digital Loop With Dedicated DS1 Interoffice Transport					
	First 4-Wire DS1 Digital Loop with DS1 (excluding mileage)	Combination				
	Zone 1		\$135.59			97-01262 (P)
	Zone 2		\$153.26			97-01262 (P)
	Zone 3		\$176.45			97-01262 (P)
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	97-01262 (P)
	Non-Recurring Cost for Extended 4-Wire DS1 Digital Loop and DS1 Interoffice Transport Combination - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			97-01262 (P)
	Additional 4-Wire DS1 Loop in Same DS1 (excluding mileage)	Loop				
	Zone 1		\$57.73			97-01262 (P)
	Zone 2		\$75.40			97-01262 (P)
	Zone 3		\$98.59			97-01262 (P)
P.13	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT					
P.13-1	First DS1 in DS3	Combination				
	Zone 1		\$1,153.26			97-01262 (P)
	Zone 2		\$1,170.93			97-01262 (P)
	Zone 3		\$1,194.12			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
	Nonrecurring - EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT- NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.13-2	D.6.1 Interoffice Transport - Dedicated - DS3 - Per Mile	Per Mile	\$2.34			97-01262 (P)
P.13-3	Additional DS1 in same DS3	Loop		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$75.45			97-01262 (P)
	Zone 2		\$93.12			97-01262 (P)
	Zone 3		\$116.31			97-01262 (P)
P.15	4-Wire DS1 Digital Loop With 4-Wire DID Trunk Port	Combination				
	Zone 1		\$93.28			97-01262 (P)
	Zone 2		\$110.95			97-01262 (P)
	Zone 3		\$134.14			97-01262 (P)
P.15.3	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Switch-as-is	Combination		\$312.91	\$312.91	97-01262 (P)
	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - NEW	Combination		\$342.80	\$257.87	97-01262 (P)
P.15.5	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Channel Activation - Per Channel	Channel		\$108.67		97-01262 (P)
P.15.6	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Telephone Numbers	Group of Numbers		\$88.68		97-01262 (P)
P.15.7	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Signaling Charges	Signaling Change		\$22.92		97-01262 (P)
P.15.8	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Service Order Per Order	Service Order		\$94.88		97-01262 (P)
P.17	NONRECURRING COST FOR <u>NEW</u> EXTENDED LOOP OR LOCAL CHANNEL AND INTEROFFICE COMBINATIONS					
P.17.4	Nonrecurring Cost - New DS1 Interoffice Facility for Combination Use Only			\$171.24	\$113.12	00-00544(I)
P.17.5	Nonrecurring Cost - New DS1 Interoffice Facility w/ 1/0 MUXing for Combination Use Only			\$277.00	\$127.60	00-00544(I)
P.17.7	Nonrecurring Cost - New DS3 or STS-1 Interoffice Facility for Combination Use Only			\$482.01	\$153.81	00-00544(I)
P.17.8	Nonrecurring Cost - New DS3 or STS-1 w/ 3/1 MUXing Interoffice Facility for Combination Use Only			\$638.03	\$203.22	00-00544(I)
P.17.10	Nonrecurring Cost - New VG Local Loop for Combination Use Only			\$108.76	\$35.47	00-00544(I)
P.17.11	Nonrecurring Cost - New DS1 Local Loop for Combination Use Only			\$228.40	\$161.74	00-00544(I)
P.17.12	Nonrecurring Cost - New DS3 or STS-1 Local Loop for Combination Use Only			\$240.23	\$180.87	00-00544(I)
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only			\$5.70	\$4.42	00-00544(I)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
P.17.17	Nonrecurring Cost - New DS0 IOF for Combination Use Only			\$79.83	\$44.08	00-00544(I)
P.17.x3	Nonrecurring Cost - For New Combination Use Only - Service Order Manual			\$31.26	\$10.42	00-00544(I)
P.23	EXTENDED 2-WIRE VOICE GRADE LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT					
P.23-1	Fixed	Combination				
	Zone 1		\$38.35			97-01262 (P)
	Zone 2		\$43.42			97-01262 (P)
	Zone 3		\$50.07			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED 2-WIRE VOICE GRADE LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.23-2	D.2.1 Interoffice Transport - Dedicated - 2-Wire Voice Grade - Per Mile	Per Mile	\$0.0174			97-01262 (P)
P.24	EXTENDED 4-WIRE VOICE GRADE LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT					
P.24-1	Fixed	Combination				97-01262 (P)
	Zone 1		\$52.00			97-01262 (P)
	Zone 2		\$59.56			97-01262 (P)
	Zone 3		\$69.48			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED 4-WIRE VOICE GRADE LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.24-2	D.12.1 Interoffice Transport - Dedicated - 4-Wire Voice Grade - Per Mile	Per Mile	\$0.0054			97-01262 (P)
P.25	EXTENDED DS3 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT					
P.25-1	Fixed	Combination	\$1,228.44			97-01262 (P)
						97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED DS3 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.25-2	D.6.1 Interoffice Transport - Dedicated - DS3 - Per Mile	Per Mile	\$2.34			97-01262 (P)
P.25-3	A.16.2 High Capacity Unbundled Local Loop - DS3 - Per Mile	Per Mile	\$9.19			97-01262 (P)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
P.26	EXTENDED STS1 DIGITAL LOOP WITH DEDICATED STS1 INTEROFFICE TRANSPORT					
P.26-1	Fixed	Combination	\$1,243.86			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED STS1 DIGITAL LOOP WITH DEDICATED STS1 INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P-26-2	D.10.1 Interoffice Transport - Dedicated - STS-1 - Per Mile	Per Mile	\$2.34			97-01262 (P)
P.26-3	A.16.16 High Capacity Unbundled Local Loop - STS-1 - Per Mile	Per Mile	\$9.19			97-01262 (P)
P.51	EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT					
P.51-1	First 2-Wire ISDN in DS1	Combination				
	Zone 1		\$188.66			97-01262 (P)
	Zone 2		\$195.46			97-01262 (P)
	Zone 3		\$204.39			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT NEW	Combination		See Section P.17 for rate elements		97-01262 (I)
P.51-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Per Mile	\$0.3562			97-01262 (P)
P.51-3	Additional 2-wire ISDN in same DS1	Loop	\$25.46	See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$32.26			97-01262 (P)
	Zone 2		\$41.19			97-01262 (P)
	Zone 3					
P.52	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT					
P.52-1	First DS1 in STS1	Combination				
	Zone 1		\$1,147.59			97-01262 (P)
	Zone 2		\$1,165.26			97-01262 (P)
	Zone 3		\$1,188.45			97-01262 (P)
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
	Nonrecurring - EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.52-2	D.10.1 Interoffice Transport - Dedicated - STS-1 - Per Mile	Per Mile	\$2.34			97-01262 (P)
P.52-3	Additional DS1 in same STS1	Loop		See Section P.17 for rate elements		97-01262 (P)
	Zone 1		\$75.31			97-01262 (P)
	Zone 2		\$92.98			97-01262 (P)
	Zone 3		\$116.17			97-01262 (P)
P.53	EXTENDED 2-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
P.53-1	First 2-Wire VG in First DS1 in DS3	Combination				
	Zone 1		\$416.86			00-00544 (I)
	Zone 2		\$421.93			00-00544 (I)
	Zone 3		\$428.58			00-00544 (I)
						00-00544 (I)
	P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	00-00544 (I)
	Nonrecurring - EXTENDED 2-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX - NEW	Combination		See Section P.17 for rate elements		00-00544 (I)
P.53-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Mile	\$0.3562			00-00544 (I)
P.53-3	Additional 2-Wire VG in same DS1	Loop		See Section P.17 for rate elements		00-00544 (I)
	Zone 1		\$17.61			00-00544 (I)
	Zone 2		\$22.68			00-00544 (I)
	Zone 3		\$29.33			00-00544 (I)
P.53-4	Additional DS1 in same DS3	Loop	\$176.35	See Section P.17 for rate elements		00-00544 (I)
P.54	EXTENDED 4-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
P.54-1	First 4-Wire VG in First DS1 in DS3	Combination				
	Zone 1		\$429.71			00-00544 (I)
	Zone 2		\$437.27			00-00544 (I)
	Zone 3		\$447.19			00-00544 (I)
						00-00544
	P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	00-00544 (I)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
	Nonrecurring - EXTENDED 4-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX - NEW	Combination		See Section P.17 for rate elements		00-00544 (I)
P.54-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Mile	\$0.3562			00-00544 (I)
P.54-3	Additional 4-Wire VG in same DS1	Loop		See Section P.17 for rate elements		00-00544 (I)
	Zone 1		\$25.75			00-00544 (I)
	Zone 2		\$33.31			00-00544 (I)
	Zone 3		\$43.23			00-00544 (I)
P.54-4	Additional DS1 in same DS3	Loop	\$176.35	See Section P.17 for rate elements		00-00544 (I)
Hide	P.17.163 Nonrecurring Cost - New Feature Activation for Combination Use Only - Service			\$31.26	\$10.42	
P.55	EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
P.55-1	First 4-Wire 56 or 64 Kbps loop in First DS1 in DS3	Combination				
	Zone 1		\$436.82			00-00544 (I)
	Zone 2		\$446.33			00-00544 (I)
	Zone 3		\$458.83			00-00544 (I)
						00-00544 (I)
	P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	00-00544 (I)
	Nonrecurring - EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX - NEW	Combination		See Section P.17 for rate elements		00-00544 (I)
P.55-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Mile	\$0.3562			00-00544 (I)
P.55-3	Additional 4-Wire 56 or 64 Kbps loop in same DS1	Loop		See Section P.17 for rate elements		00-00544 (I)
	Zone 1		\$33.06			00-00544 (I)
	Zone 2		\$42.57			00-00544 (I)
	Zone 3		\$55.07			00-00544 (I)
P.55-4	Additional DS1 in same DS3	Loop	\$176.35	See Section P.17 for rate elements		00-00544 (I)
P.56	EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
P.56-1	First 2-Wire ISDN loop in First DS1 in DS3	Combination				
	Zone 1		\$429.22			00-00544 (I)
	Zone 2		\$436.02			00-00544 (I)
	Zone 3		\$444.95			00-00544 (I)

BellSouth/CLEC-1 Tennessee Rates Network Elements and Other Services

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
						00-00544 (I)
	P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	00-00544 (I)
	Nonrecurring - EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX - NEW	Combination		See Section P.17 for rate elements		00-00544 (I)
P.56-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Mile	\$0.3562			00-00544 (I)
P.56-3	Additional 2-Wire ISDN loop in same DS1	Loop		See Section P.17 for rate elements		
	Zone 1		\$25.46			00-00544 (I)
	Zone 2		\$32.26			00-00544 (I)
	Zone 3		\$41.19			00-00544 (I)
P.56-4	Additional DS1 in same DS3	Loop	\$176.35	See Section P.17 for rate elements		00-00544 (I)
P.57	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX					
P.57-1	First 4-Wire DS1 in DS3	Combination				
	Zone 1		\$380.86			00-00544 (I)
	Zone 2		\$398.53			00-00544 (I)
	Zone 3		\$421.72			00-00544 (I)
						00-00544 (I)
	P.17.1 Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	00-00544 (I)
	Nonrecurring - EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT W/ 3/1 MUX - NEW	Combination		See Section P.17 for rate elements		00-00544 (I)
P.57-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Mile	\$0.3562			00-00544 (I)
P.57-3	Additional 4-Wire DS1 in same DS3	Loop		See Section P.17 for rate elements		00-00544 (I)
	Zone 1		\$153.31			00-00544 (I)
	Zone 2		\$170.98			00-00544 (I)
	Zone 3		\$194.17			00-00544 (I)
P.58	EXTENDED 4-WIRE 56 OR 64 Kbps DIGITAL LOOP WITH DS0 INTEROFFICE TRANSPORT					
P.58-1	Fixed	Combination				
	Zone 1		\$52.29			97-01262 (P)
	Zone 2		\$61.80			97-01262 (P)
	Zone 3		\$74.30			97-01262 (P)

**BellSouth/CLEC-1 Tennessee Rates
Network Elements and Other Services**

BellSouthTelecommunications, Inc.
SGAT
Attachment 2, Exhibit B
Rates
April 26, 2002

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Source of Rate (Docket No.)(P=Permanent; I=Interim)
				First	Additional	
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	97-01262 (P)
	Nonrecurring - EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DS0 INTEROFFICE TRANSPORT - NEW	Combination		See Section P.17 for rate elements		97-01262 (P)
P.58-2	D.3.1 Interoffice Transport - Dedicated - DS0 - Per Mile	Mile	\$0.0174			97-01262 (P)

ATTACHMENT 3
NETWORK INTERCONNECTION

TABLE OF CONTENTS

1. GENERAL	3
2. DEFINITIONS: (FOR THE PURPOSE OF THIS ATTACHMENT).....	3
3. NETWORK INTERCONNECTION.....	4
4. INTERCONNECTION TRUNK GROUP ARCHITECTURES	6
5. NETWORK DESIGN AND MANAGEMENT FOR INTERCONNECTION	13
6. LOCAL DIALING PARITY	17
7. INTERCONNECTION COMPENSATION.....	17
8. FRAME RELAY SERVICE INTERCONNECTION.....	23
9. OPERATIONAL SUPPORT SYSTEMS (OSS).....	26
 Basic Architecture	 Exhibit B
One Way Architecture	Exhibit C
Two Way Architecture	Exhibit D
Supergroup Architecture	Exhibit E

NETWORK INTERCONNECTION

1. GENERAL

- 1.1 The Parties shall provide interconnection with each other's networks for the transmission and routing of telephone exchange service (local) and exchange access on the following terms:

2. DEFINITIONS: (FOR THE PURPOSE OF THIS ATTACHMENT)

- 2.1 For purposes of this attachment only, the following terms shall have the definitions set forth below:

- 2.1.1 **Call Termination** has the meaning set forth for "termination" in 47CFR § 51.701(d).

- 2.1.2 **Call Transport** has the meaning set forth for "transport" in 47 CFR § 51.701(c).

- 2.1.3 **Call Transport and Termination** is used collectively to mean the switching and transport functions from the Interconnection Point to the last point of switching.

- 2.1.4 **Common (Shared) Transport** is defined as the transport of the originating Party's traffic by the terminating Party over the terminating Party's common (shared) facilities between (1) the terminating Party's tandem switch and end office switch, (2) between the terminating Party's tandem switches, and/or (3) between the terminating Party's host and remote end office switches. All switches referred herein must be entered into the Local Exchange Routing Guide ("LERG").

- 2.1.5 **Dedicated Interoffice Facility** is defined as a switch transport facility between a Party's Serving Wire Center and the first point of switching on the other Party's common (shared) network.

- 2.1.6 **End Office Switching** is defined as the function that establishes a communications path between the trunk side and line side of the End Office switch.

- 2.1.7 **Fiber Meet** is an interconnection arrangement whereby the Parties physically interconnect their networks via an optical fiber interface at which one Party's facilities, provisioning, and maintenance responsibility begins and the other Party's responsibility ends.

- 2.1.8 **Interconnection Point ("IP")** is the physical telecommunications equipment interface that performs the interconnection function for BellSouth and <<customer_name>>.

- 2.1.9 **ISP-bound Traffic** is as defined in Section 7 of this Attachment.
- 2.1.10 **Local Channel** is defined as a switched transport facility between a Party's Interconnection Point and the IP's Serving Wire Center.
- 2.1.11 **Local Traffic** is as defined in Section 7 of this Attachment.
- 2.1.12 **Serving Wire Center** is defined as the wire center owned by one Party from which the other Party would normally obtain dial tone for its IP.
- 2.1.13 **Tandem Switching** is defined as the function that establishes a communications path between two switching offices through a third switching office through the provision of trunk side to trunk side switching.
- 2.1.14 **Transit Traffic** is traffic originating on <<customer_name>>'s network that is switched and/or transported by BellSouth and delivered to a third party's network, or traffic originating on a third Party's network that is switched and/or transported by BellSouth and delivered to <<customer_name>>'s network.

3. NETWORK INTERCONNECTION

- 3.1 This Attachment pertains only to the provision of network interconnection where <<customer_name>> owns and provides its switch(es).
- 3.2 Network interconnection may be provided by the Parties at any technically feasible point within BellSouth's network. Requests to BellSouth for interconnection at points other than as set forth in this Attachment may be made through the Bona Fide Request/New Business Request process set out in this Agreement.
 - 3.2.1 Each Party is responsible for providing, engineering and maintaining the network on its side of the IP. The IP must be located within BellSouth's serving territory in the LATA in which local traffic is originating. The IP determines the point at which the originating Party shall pay the terminating Party for the Call Transport and Termination of that traffic.
 - 3.2.1.1 When first establishing the interconnection arrangement in each LATA, the location of the IP shall be established by mutual agreement of the Parties. In selecting the IP, both Parties will act in good faith and select the point that is most efficient for both Parties. If the Parties are unable to agree on the location of the IP, each Party will designate IPs for its originated traffic. Additional IP(s) in a particular LATA may be established by mutual agreement of the Parties. If the Parties are unable to agree to additional IPs, each Party will designate the IP for its originated traffic. When the Parties agree to utilize two-way interconnection trunk groups for the exchange of Local Traffic, the Parties must agree to the location of the IP(s).

3.3 **Interconnection via Dedicated Facilities**

3.3.1 **Local Channel Facilities.** As part of network interconnection, the originating Party may obtain Local Channel facilities from the terminating Party. The portion of Local Channel facilities utilized for Local Traffic shall be determined based upon the application of the Percent Local Facility (PLF) Factor. The charges applied to the portion of the Local Channel used for Local Traffic as determined by the PLF are as set forth in Exhibit B of Attachment 2 of this Agreement.

3.3.2 **Dedicated Interoffice Facilities.** As a part of network interconnection, the originating Party may obtain Dedicated Interoffice Facilities. The portion of Dedicated Interoffice Facilities utilized for Local Traffic shall be determined based upon the application of the Percent Local Facility (PLF) Factor. The charges applied to the portion of the Dedicated Interoffice Facility used for Local Traffic as determined by the PLF are as set forth in Exhibit B of Attachment 2 of this Agreement.

3.4 **Fiber Meet**

3.4.1 If <<customer_name>> elects to interconnect with BellSouth pursuant to a Fiber Meet, <<customer_name>> and BellSouth shall jointly engineer, operate and maintain a Synchronous Optical Network ("SONET") transmission system by which they shall interconnect their transmission and routing of Local Traffic via a Local Channel at either the DS1 or DS3 level. The Parties shall work jointly to determine the specific transmission system. However, <<customer_name>>'s SONET transmission system must be compatible with BellSouth's equipment, and the Data Communications Channel (DCC) must be turned off.

3.4.2 Each Party, at its own expense, shall procure, install and maintain the agreed upon SONET transmission system in its network .

3.4.3 The Parties shall agree to a Fiber Meet point between the BellSouth Serving Wire Center and the <<customer_name>> Serving Wire Center. The Parties shall deliver their fiber optic facilities to the Fiber Meet point with sufficient spare length to reach the fusion splice point for the Fiber Meet Point. BellSouth shall, at its own expense, provide and maintain the fusion splice point for the Fiber Meet. A building type Common Language Location Identification ("CLLI") code will be established for each Fiber Meet point. All orders for interconnection facilities from the Fiber Meet point shall indicate the Fiber Meet point as the originating point for the facility .

3.4.4 Upon verbal request by <<customer_name>>, BellSouth shall allow <<customer_name>> access to the fusion splice point for the Fiber Meet point for maintenance purposes on <<customer_name>>'s side of the Fiber Meet point.

- 3.4.5 Neither Party shall charge the other for the Local Channel portion of the Fiber Meet facility used exclusively for Local Traffic . All the appropriate charges will apply. Charges for switched and special access services shall be billed in accordance with the applicable access service tariff.

4. INTERCONNECTION TRUNK GROUP ARCHITECTURES

- 4.1 BellSouth and <<customer_name>> shall establish interconnecting trunk groups and trunk group configurations between networks, including the use of one-way or two-way trunks in accordance with the following provisions set forth in this Attachment. For trunking purposes, traffic will be routed based on the digits dialed by the originating end user and in accordance with the LERG.
- 4.2 <<customer_name>> shall establish an interconnection trunk group(s) to at least one BellSouth access tandem within the LATA for the delivery of <<customer_name>>'s originated Local Traffic and for the receipt and delivery of Transit Traffic. To the extent <<customer_name>> desires to deliver Local Traffic and/or Transit Traffic BellSouth access tandems within the LATA, other than the tandems(s) to which <<customer_name>> has established interconnection trunk groups , <<customer_name>> shall order Multiple Tandem Access, as described in this Attachment, to such other BellSouth access tandems.
- 4.2.1 Notwithstanding the forgoing, <<customer_name>> shall establish an interconnection trunk group(s) to all BellSouth access and local tandems in the LATA where <<customer_name>> has homed (i.e. assigned) its NPA/NXXs. <<customer_name>> shall home its NPA/NXXs on the BellSouth tandems that serve the exchange rate center areas to which the NPA/NXXs are assigned. The specified exchange rate center assigned to each BellSouth tandem is defined in the LERG. <<customer_name>> shall enter its NPA/NXX access and/or local tandem homing arrangements into the LERG.
- 4.3 Switched access traffic will be delivered to and from Interexchange Carriers (IXCs) based on <<customer_name>>'s NXX access tandem homing arrangement as specified by <<customer_name>> in the LERG.
- 4.4 Any <<customer_name>> interconnection request that (1) deviates from the interconnection trunk group architectures as described in this Agreement, (2) affects traffic delivered to <<customer_name>> from a BellSouth switch, and (3) requires special BellSouth switch translations and other network modifications will require <<customer_name>> to submit a Bona Fide Request/New Business Request (BFR/NBR) via the BFR/NBR Process as set forth in this Agreement.
- 4.5 Recurring and non-recurring rates associated with interconnecting trunk groups between BellSouth and <<customer_name>> are for installation trunk side service per DSO is \$334.29 initial/\$57.01 additional. To the extent a rate associated with

the interconnecting trunk group is not set forth in Exhibit A, the rate shall be as set forth in the appropriate BellSouth tariff for switched access services.

- 4.6 For two-way trunk groups that carry only both Parties' Local Traffic, the Parties shall be compensated at 50% of the nonrecurring and recurring rates for dedicated trunks and facilities. <<customer_name>> shall be responsible for ordering and paying for any two-way trunks carrying Transit Traffic.
- 4.7 All trunk groups will be provisioned as Signaling System 7 (SS7) capable where technically feasible. If SS7 is not technically feasible, multi-frequency (MF) protocol signaling shall be used.
- 4.8 In cases where <<customer_name>> is also an IXC, the IXC's Feature Group D (FG D) trunk group(s) must remain separate from the local interconnection trunk group(s).
- 4.9 Each Party shall order interconnection trunks and trunk group, including trunk and trunk group augmentations via the ASR process. A Firm Order Confirmation (FOC) shall be returned to the ordering Party, after receipt of a valid, error free ASR, within the timeframes set forth in Attachment 9 to this Agreement. Notwithstanding the foregoing, blocking situations and projects shall be managed through BellSouth's Local Interconnection Switching Center (LISC) Project Management Group and <<customer_name>>'s equivalent trunking group, and FOCs for such orders shall be returned in the timeframes applicable to the project. A project is defined as (1) a new trunk group or (2) a request for more than 96 trunks on a single or multiple group(s) in a given BellSouth local calling area.
- 4.10 **Interconnection Trunk Groups for Exchange of Local Traffic and Transit Traffic**
- 4.10.1 Upon mutual agreement of the Parties in a joint planning meeting, the Parties' shall exchange Local Traffic on two-way interconnection trunk group(s) with the quantity of trunks being mutually determined and the provisioning being jointly coordinated. Furthermore, the Parties shall agree upon the IP(s) for two-way interconnection trunk groups transporting both Parties Local Traffic. <<customer_name>> shall order such two-way trunks via the Access Service Request (ASR) process. BellSouth will use the Trunk Group Service Request (TGSR) to request changes in trunking. Furthermore, the Parties shall jointly review trunk performance and forecasts on a periodic basis. The Parties use of two-way interconnection trunk groups for the transport of Local Traffic between the Parties does not preclude either Party from establishing additional one-way interconnection trunks for the delivery of its originated Local Traffic to the other Party.
- 4.10.2 **BellSouth Access Tandem Interconnection**

4.10.2.1 BellSouth access tandem interconnection at a single access tandem provides access to those end offices subtending that access tandem (“Intratandem Access”). Access tandem interconnection is available for any of the following access tandem architectures

4.10.2.2 **Basic Architecture**

4.10.2.2.1 In the basic architecture, <<customer_name>>’s originating Local Traffic and originating and terminating Transit Traffic is transported on a single two-way trunk group between <<customer_name>> and BellSouth access tandem(s) within a LATA to provide Intratandem Access. This trunk group carries Transit Traffic between <<customer_name>> and Independent Companies, Interexchange Carriers, other CLECs, CMRS providers that have a Meet Point Billing arrangement with BellSouth, and other network providers with which <<customer_name>> desires to exchange traffic. This trunk group also carries <<customer_name>> originated Transit Traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local Traffic is transported on a separate single one-way trunk group terminating to <<customer_name>>. Other trunk groups for operator services, directory assistance, emergency services and intercept must be established if service is requested. The LERG contains current routing and tandem serving arrangements. The basic Architecture is illustrated in Exhibit B.

4.10.2.3 **One-Way Trunk Group Architecture**

4.10.2.3.1 In one-way trunk group architecture, the Parties interconnect using three separate trunk groups. A one-way trunk group provides Intratandem Access for <<customer_name>>-originated Local Traffic destined for BellSouth end-users. A second one-way trunk group carries BellSouth-originated Local Traffic destined for <<customer_name>> end-users. A two-way trunk group provides Intratandem Access for <<customer_name>>’s originating and terminating Transit Traffic. This trunk group carries Transit Traffic between <<customer_name>> and Independent Companies, Interexchange Carriers, other CLECs, CMRS providers that have a Meet Point Billing arrangement with BellSouth, and other network providers with which <<customer_name>> desires to exchange traffic. This trunk group also carries <<customer_name>> originated Transit Traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local Traffic is transported on a separate single one-way trunk group terminating to <<customer_name>>. Other trunk groups for operator services, directory assistance, emergency services and intercept must be established if service is requested. The LERG contains current routing and tandem serving arrangements. The one-way trunk group architecture is illustrated in Exhibit C.

4.10.2.4 **Two-Way Trunk Group Architecture**

4.10.2.4.1 Upon agreement of the Parties as set forth in Section 4.10.1 above, the two-way trunk group Architecture establishes one two-way trunk group to provide Intratandem Access for the exchange of Local Traffic between <<customer_name>> and BellSouth. In addition, a separate two-way transit trunk group must be established for <<customer_name>>'s originating and terminating Transit Traffic. This trunk group carries Transit Traffic between <<customer_name>> and Independent Companies, Interexchange Carriers, other CLECs, CMRS providers that have a Meet Point Billing arrangement with BellSouth, and other network providers with which <<customer_name>> desires to exchange traffic. This trunk group also carries <<customer_name>> originated Transit Traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local Traffic is transported on a separate single one-way trunk group terminating to <<customer_name>>. Other trunk groups for operator services, directory assistance, emergency services and intercept must be established if service is requested. The LERG contains current routing and tandem serving arrangements. The two-way trunk group architecture is illustrated in Exhibit D.

4.10.2.5 **Supergroup Architecture**

4.10.2.5.1 Upon agreement of the Parties as set forth in Section 4.10.1 above, the Parties may establish a supergroup architecture. In the supergroup architecture, the Parties' Local Traffic and <<customer_name>>'s Transit Traffic are exchanged on a single two-way trunk group between <<customer_name>> and BellSouth to provide Intratandem Access to <<customer_name>>. This trunk group carries Transit Traffic between <<customer_name>> and Independent Companies, Interexchange Carriers, other CLECs, CMRS providers that have a Meet Point Billing arrangement with BellSouth, and other network providers with which <<customer_name>> desires to exchange traffic. This trunk group also carries <<customer_name>> originated Transit Traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local Traffic is transported on a separate single one-way trunk group terminating to <<customer_name>>. Other trunk groups for operator services, directory assistance, emergency services and intercept must be established if service is requested. The LERG contains current routing and tandem serving arrangements. The supergroup architecture is illustrated in Exhibit D..

4.10.3 **Multiple Tandem Access Interconnection**

4.10.3.1 Where <<customer_name>> does not choose access tandem interconnection at every BellSouth access tandem within a LATA, <<customer_name>> may utilize BellSouth multiple tandem access interconnection (MTA). To utilize MTA <<customer_name>> must establish an interconnection trunk group(s) at a

BellSouth access tandem through multiple BellSouth access tandems within the LATA as required. BellSouth will route <<customer_name>>'s originated Local Traffic for LATA wide transport and termination. <<customer_name>> must also establish an interconnection trunk group(s) at all BellSouth access tandems where <<customer_name>> NXXs are homed as described in Section 4.2.1 above. If <<customer_name>> does not have NXXs homed at any particular BellSouth access tandem within a LATA and elects not to establish an interconnection trunk group(s) at such BellSouth access tandem, <<customer_name>> can order MTA in each BellSouth access tandem within the LATA where it does have an interconnection trunk group(s) and BellSouth will terminate <<customer_name>>'s Local Traffic to end-users served through those BellSouth access tandems where <<customer_name>> does not have an interconnection trunk group(s). MTA shall be provisioned in accordance with BellSouth's Ordering Guidelines.

4.10.3.2 <<customer_name>> may also utilize MTA to route its originated Transit Traffic; provided, however, that MTA may not be utilized to route switched access traffic that transits the BellSouth network to an Interexchange Carrier (IXC). Switched access traffic originated by or terminated to <<customer_name>> will be delivered to and from IXCs based on <<customer_name>>'s NXX access tandem homing arrangement as specified by <<customer_name>> in the LERG.

4.10.3.3 Compensation for MTA shall be at the applicable tandem switching and transport charges specified in Exhibit B of Attachment 2 of this Agreement and shall be billed in addition to any Call Transport and Termination charges.

4.10.3.4 To the extent <<customer_name>> does not purchase MTA in a LATA served by multiple access tandems, <<customer_name>> must establish an interconnection trunk group(s) to every access tandem in the LATA to serve the entire LATA. To the extent <<customer_name>> routes its traffic in such a way that utilizes BellSouth's MTA service without properly ordering MTA service, <<customer_name>> agrees to pay BellSouth the associated transport and termination charges.

4.10.4 **Local Tandem Interconnection**

4.10.4.1 Local Tandem Interconnection arrangement allows <<customer_name>> to establish an interconnection trunk group(s) at BellSouth local tandems for: (1) the delivery of <<customer_name>>-originated Local Traffic transported and terminated by BellSouth to BellSouth end offices within the local calling area as defined in BellSouth's General Subscriber Services Tariff (GSST), Section A3 served by those BellSouth local tandems, and (2) for local Transit Traffic transported by BellSouth for third party network providers who have also established an interconnection trunk group(s) at those BellSouth local tandems.

- 4.10.4.2 When a specified local calling area is served by more than one BellSouth local tandem, <<customer_name>> must designate a “home” local tandem for each of its assigned NPA/NXXs and establish trunk connections to such local tandems. Additionally, <<customer_name>> may choose to establish an interconnection trunk group(s) at the BellSouth local tandems where it has no codes homing but is not required to do so. <<customer_name>> may deliver Local Traffic to a “home” BellSouth local tandem that is destined for other BellSouth or third party network provider end offices subtending other BellSouth local tandems in the same local calling area where <<customer_name>> does not choose to establish an interconnection trunk group(s). It is <<customer_name>>’s responsibility to enter its own NPA/NXX local tandem homing arrangements into the LERG either directly or via a vendor in order for other third party network providers to determine appropriate traffic routing to <<customer_name>>’s codes. Likewise, <<customer_name>> shall obtain its routing information from the LERG.
- 4.10.4.3 Notwithstanding establishing an interconnection trunk group(s) to BellSouth’s local tandems, <<customer_name>> must also establish an interconnection trunk group(s) to BellSouth access tandems within the LATA on which <<customer_name>> has NPA/NXXs homed for the delivery of Interexchange Carrier Switched Access (SWA) and toll traffic, and traffic to Type 2A CMRS connections located at the access tandems. BellSouth shall not switch SWA traffic through more than one BellSouth access tandem. SWA, Type 2A CMRS or toll traffic routed to the local tandem in error will not be backhauled to the BellSouth access tandem for completion. (Type 2A CMRS interconnection is defined in BellSouth’s A35 General Subscriber Services Tariff).
- 4.10.4.4 BellSouth’s provisioning of local tandem interconnection assumes that <<customer_name>> has executed the necessary Local Interconnection Agreements with the other third party network providers subtending those local tandems as required by the Act.
- 4.10.5 **Direct End Office-to-End Office Interconnection**
- 4.10.5.1 Direct End Office-to-End Office one-way or two-way interconnection trunk groups allow for the delivery of a Party’s originating local or intraLATA toll traffic to the terminating Party on a direct end office-to-end office basis.
- 4.10.5.2 The Parties shall utilize direct end office-to-end office trunk groups under the following conditions:
- 4.10.5.2.1 (1) Tandem Exhaust - If a tandem through which the Parties are interconnected is unable to, or is forecasted to be unable to support additional traffic loads for any period of time, the Parties will mutually agree on an end office trunking plan that will alleviate the tandem capacity shortage and ensure completion of traffic between <<customer_name>> and BellSouth’s subscribers.

4.10.5.2.2 (2) Traffic Volume –To the extent either Party has the capability to measure the amount of traffic between a <<customer_name>> switching center and a BellSouth end office, either Party shall install and retain direct end office trunking sufficient to handle actual or reasonably forecasted traffic volumes, whichever is greater, between a <<customer_name>> switching center and a BellSouth end office where the traffic exceeds or is forecasted to exceed a single DS1 of traffic per month. Either Party will install additional capacity between such points when overflow traffic between <<customer_name>>'s switching center and BellSouth's end office exceeds or is forecasted to exceed a single DS1 of traffic per month. In the case of one way trunking, additional trunking shall only be required by the Party whose trunking has achieved the preceding usage threshold.

4.10.5.2.3 (3) Mutual Agreement - The Parties may install direct end office trunking upon mutual agreement in the absence of conditions (1) or (2) above, and agreement will not unreasonably be withheld.

4.10.6 **Transit Traffic Trunk Group**

4.10.6.1 Transit Traffic trunks can either be two-way trunks or two one-way trunks ordered by <<customer_name>> to deliver and receive local and intraLATA toll Transit Traffic from third parties, such as Independent Companies and other CLECs, via BellSouth access tandems (or BellSouth local tandems for Local Traffic), and Switched Access traffic to and from Interexchange Carriers via BellSouth access tandems pursuant to the Transit Traffic section of this Attachment. Establishing Transit Traffic trunks at BellSouth access and local tandems provides intratandem access to the third parties also interconnected at those tandems.

4.10.6.2 **Toll Free Traffic**

4.10.6.2.1 If <<customer_name>> chooses BellSouth to handle Toll Free database queries from its switches, all <<customer_name>> originating Toll Free traffic will be routed over the Transit Traffic Trunk Group.

4.10.6.2.2 All originating Toll Free Service (Toll Free) calls for which <<customer_name>> requests that BellSouth perform the Service Switching Point ("SSP") function (i.e., perform the database query) shall be delivered using GR-394 format over the Transit Traffic Trunk Group. Carrier Code "0110" and Circuit Code (to be determined for each LATA) shall be used for all such calls.

4.10.6.2.3 <<customer_name>> may handle its own Toll Free database queries from its switch. If so, <<customer_name>> will determine the nature (local/intraLATA/interLATA) of the Toll Free call based on the response from the database. If the query determines that the call is a BellSouth local or intraLATA Toll Free number, <<customer_name>> will route the post-query local or IntraLATA converted ten-digit local number to BellSouth over the local or intraLATA trunk group. If the query determines that the call is a third party (ICO

or other CLEC) local or intraLATA Toll Free number, <<customer_name>> will route the post-query local or intraLATA converted ten-digit local number to BellSouth over the Transit Traffic Trunk Group. In such case, <<customer_name>> is to provide a Toll Free billing record when appropriate. If the query reveals the call is an interLATA Toll Free number, <<customer_name>> will route the post-query interLATA call (Toll Free number) directly from its switch for carriers interconnected with its network or over the Transit Traffic Trunk Group to carriers not directly connected to its network but are connected to BellSouth's access tandem. Calls will be routed to BellSouth over the local/intraLATA and Transit Traffic Trunk Groups within the LATA in which the calls originate.

- 4.10.6.2.4 All post-query Toll Free Service (Toll Free) calls for which <<customer_name>> performs the SSP function, if delivered to BellSouth, shall be delivered using GR-394 format for calls destined to IXCs, and GR-317 format for calls destined to end offices that directly subtend the BellSouth access tandem.

5. NETWORK DESIGN AND MANAGEMENT FOR INTERCONNECTION

- 5.1 Network Management and Changes. Both Parties will work cooperatively with each other to install and maintain the most effective and reliable interconnected telecommunications networks, including but not limited to, the exchange of toll-free maintenance contact numbers and escalation procedures. Both Parties agree to provide public notice of changes in the information necessary for the transmission and routing of services using its local exchange facilities or networks, as well as of any other changes that would affect the interoperability of those facilities and networks.
- 5.2 Interconnection Technical Standards. The interconnection of all networks will be based upon accepted industry/national guidelines for transmission standards and traffic blocking criteria. Interconnecting facilities shall conform, at a minimum, to the telecommunications industry standard of DS-1 pursuant to Bellcore Standard No. TR-NWT-00499. Signal transfer point, Signaling System 7 ("SS7") connectivity is required at each interconnection point. BellSouth will provide out-of-band signaling using Common Channel Signaling Access Capability where technically and economically feasible, in accordance with the technical specifications set forth in the BellSouth Guidelines to Technical Publication, TR-TSV-000905. Facilities of each Party shall provide the necessary on-hook, off-hook answer and disconnect supervision and shall hand off calling number ID (Calling Party Number) when technically feasible.
- 5.3 Quality of Interconnection. The local interconnection for the transmission and routing of telephone exchange service and exchange access that each Party provides to each other will be at least equal in quality to what it provides to itself and any subsidiary or affiliate, where technically feasible, or to any other Party to which each Party provides local interconnection.

- 5.4 Network Management Controls. Both Parties will work cooperatively with each other to apply sound network management principles by invoking appropriate network management controls (e.g., call gapping) to alleviate or prevent network congestion.
- 5.5 Common Channel Signaling. Both Parties will provide LEC-to-LEC Common Channel Signaling (“CCS”) to each other, where available, in conjunction with all traffic in order to enable full interoperability of CLASS features and functions except for call return. All CCS signaling parameters will be provided, including automatic number identification (“ANI”), originating line information (“OLI”) calling company category, charge number, etc. All privacy indicators will be honored, and each Party will cooperate with each other on the exchange of Transactional Capabilities Application Part (“TCAP”) messages to facilitate full interoperability of CCS-based features between the respective networks. Neither Party shall alter the CCS parameters, or be a party to altering such parameters, or knowingly pass CCS parameters that have been altered in order to circumvent appropriate interconnection charges.
- 5.6 Signaling Call Information. BellSouth and <<customer_name>> will send and receive 10 digits for Local Traffic. Additionally, BellSouth and <<customer_name>> will exchange the proper call information, i.e. originated call company number and destination call company number, CIC, and OZZ, including all proper translations for routing between networks and any information necessary for billing.
- 5.7 **Forecasting for Trunk Provisioning**
- 5.7.1 Within six (6) months after execution of this agreement, <<customer_name>> shall provide an initial interconnection trunk group forecast for each LATA that it shall provide service within BellSouth’s region. Upon receipt of <<customer_name>>’s forecast, the Parties shall schedule and participate in a joint planning meeting to develop a joint interconnection trunk group forecast. Each forecast provided under this Section shall be deemed “Confidential Information” under the General Terms and Conditions of this Agreement.
- 5.7.1.1 At a minimum, the forecast shall include the projected quantity of Transit Trunks, <<customer_name>>-to-BellSouth one-way trunks (“<<customer_name>> Trunks”), BellSouth-to-<<customer_name>> one-way trunks (“Reciprocal Trunks”) and/or two-way interconnection trunks, if the Parties have agreed to interconnect using two-way trunking to transport the Parties’ local and intraLATA toll. The quantities shall be projected for a minimum of six months in advance and shall include the current year plus next two years total forecasted quantities. Considering <<customer_name>>’s provided forecast, the Parties shall mutually develop Reciprocal Trunk and/or two-way interconnection trunk forecast quantities for the time periods listed and to be included within the initial forecast.

- 5.7.1.2 Additionally all forecasts shall include, at a minimum, Access Carrier Terminal Location (“ACTL”), trunk group type (local/intraLATA toll, Transit, Operator Services, 911, etc.), A location/Z location (CLLI codes for <<customer_name>> location and BellSouth location where the trunks shall terminate), interface type (e.g., DS1), Direction of Signaling, Trunk Group Number, if known, (commonly referred to as the 2-6 code) and forecasted trunks in service each year (cumulative).
- 5.7.2 Each Party shall exercise its best efforts to provide the quantity of interconnection trunks mutually forecasted. However, the provision of the forecasted quantity of interconnection trunks is subject to trunk terminations and facility capacity existing at the time the trunk order is submitted. Furthermore, the receipt and development of trunk forecasts does not imply any liability for failure to perform if capacity (trunk terminations or facilities) is not available for use at the forecasted time.
- 5.7.3 The submitting and development of interconnection trunk forecasts shall not replace the ordering process in place for local interconnection trunks.
- 5.7.4 Once initial interconnection trunk forecasts have been developed, <<customer_name>> shall continue to provide interconnection trunk forecasts on a semiannual basis or at otherwise mutually agreeable intervals. <<customer_name>> shall use its best efforts to make the forecasts as accurate as possible based on reasonable engineering criteria. Interconnection trunk forecasts shall be updated and provided to BellSouth on an as needed basis, but no less frequently than semiannually and no more frequently than monthly. Upon receipt of <<customer_name>>’s forecast, including forecast updates, the Parties shall confer to mutually develop BellSouth Reciprocal Trunk and/or two-way interconnection trunk forecasted quantities for the listed time periods within such subsequent forecasts.
- 5.7.5 Binding Forecast
- 5.7.5.1 In addition to, and not in lieu of, non-binding forecasts, <<customer name>> may provide to BellSouth a binding forecast of the trunks and switch ports that BellSouth will need to interconnect with <<customer name>> in order to terminate traffic to <<customer name>>. <<customer name>> shall provide to BellSouth the quantity of trunks contained within the binding forecast. The due date contained in the binding forecast shall be three months, unless otherwise agreed to, from the date the binding forecast is submitted to BellSouth.
- 5.7.5.2 BellSouth shall provide the total amount of requested trunks from either tandem or end offices depending on trunk and facilities availability.
- 5.7.5.3 A binding forecast shall not replace the ASR process of ordering trunks and BellSouth shall order the quantity of trunks for <<customer name>> set forth in

the binding forecast. BellSouth shall request due dates on the trunk orders to coincide with the due dates specified in the binding forecast, and the Parties shall provision the ordered trunks by the due date.

- 5.7.5.4 To recover the cost associated with assuring that the quantity of trunk port terminations needed to meet the binding forecast are available on the agreed upon due date, <<customer name>> shall pay to BellSouth \$305.00 for the first DS1 trunk port and \$152.50 for each additional DS1 trunk port forecasted in a trunk group (i.e. between an A to Z location or BellSouth switch location to a <<customer name>> switch location).
- 5.7.5.5 If, within 180 days of the installation of the trunks, 60 percent of the capacity of the trunks is not being utilized, <<customer name>> will pay BellSouth a percentage of the total monthly recurring trunk and facility charges as set forth in BellSouth's tariffs for the percentage of the trunks' capacity that is not being utilized.
- 5.7.5.6 If, within 360 days of the installation of the trunks, 75 percent of the capacity of the trunks is not being utilized, <<customer name>> will pay BellSouth a percentage of the total monthly recurring trunk and facility charges as set forth in BellSouth's tariffs for the percentage of the trunks' capacity that is not being utilized.
- 5.7.5.7 If, within 405 days of the installation of the trunks, the trunks are not being utilized to 70 percent of the capacity of the trunks, the excess of the trunks may be disconnected by BellSouth.
- 5.7.5.8 Utilization on BellSouth reciprocal interconnection trunk groups associated with a binding forecast shall be measured monthly and shall be measured at the time consistent busy hour. The charges as a result of under-utilization as described in the preceding section shall apply monthly.
- 5.7.5.9 Except in the instance of underutilization by <<customer name>> in sections 5.7.5.5, 5.7.5.6, and 5.7.5.7, neither Party shall charge the other for nonrecurring trunk and recurring, if applicable, trunk charges associated with a binding forecast.

5.8 **Trunk Utilization**

- 5.8.1 BellSouth and <<customer_name>> shall monitor traffic on each interconnection trunk group that is installed pursuant to the initial interconnection trunk requirements and subsequent forecasts. At any time after the end of a calendar quarter, based on a review of the capacity utilization during such quarter for installed reciprocal trunk groups and/or two-way interconnection trunk groups, subject to the provisions of the section following, BellSouth may disconnect any non-utilized or under-utilized reciprocal trunk(s) and <<customer_name>> shall

refund to BellSouth any associated trunk and facility charges paid by BellSouth. BellSouth may request <<customer_name>> to disconnect any under-utilized two-way interconnection trunk(s), if BellSouth has determined that the trunk group is not being utilized at eighty-five percent (85%) of the time consistent busy hour utilization level, provided that the Parties have not otherwise agreed.

<<customer_name>> shall comply with all such requests, subject to Section 5.8.1.1 below. Under-utilized trunks are defined as the trunks being utilized at less than 85% as a result of a time consistent busy hour utilization.

5.8.1.1 BellSouth's LISC will notify the <<customer_name>> of any under-utilized reciprocal trunk groups and the number of trunks that BellSouth wishes to disconnect. BellSouth will provide supporting information either by email or facsimile to the designated <<customer_name>> interface. <<customer_name>> will provide concurrence with the disconnection in seven (7) business days or will provide specific information supporting why the trunks should not be disconnected. Such supporting information should include expected Local Number Ported (LNP) and traffic volumes and the timeframes within which <<customer_name>> expects to need such trunks. BellSouth's LISC Project Manager and Circuit Capacity Manager will discuss the information with <<customer_name>> to determine if agreement can be reached on the number of trunks to be removed. If no agreement can be reached, BellSouth will issue disconnect orders to <<customer_name>>. The due date of these orders will be four weeks after <<customer_name>> was first notified in writing of the underutilization of the trunk groups.

5.8.1.2 <<customer_name>> monitors all direct trunks from <<customer_name>> to BellSouth. If <<customer_name>> wishes to disconnect any such trunks, <<customer_name>> shall issue an ASR to do so.

5.8.2 To the extent that any interconnection trunk group is utilized at a time-consistent busy hour of eighty-five percent (85%) or greater, the Parties shall negotiate in good faith for the installation of augmented facilities.

6. LOCAL DIALING PARITY

6.1 BellSouth and <<customer_name>> shall provide local and toll dialing parity to each other with no unreasonable dialing delays. Dialing parity shall be provided for all originating telecommunications services that require dialing to route a call. BellSouth and <<customer_name>> shall permit similarly situated telephone exchange service end users to dial the same number of digits to make a local telephone call notwithstanding the identity of the end user's or the called party's telecommunications service provider.

7. INTERCARRIER COMPENSATION

- 7.1 If CLEC-1 is operating under interconnection agreements with reciprocal compensation provisions that have been approved by the Authority, has not expired, and are compliant with the FCC's Reciprocal Compensation Remand Order, as to the payment of reciprocal compensation, those provisions shall apply. If the interconnection agreement does not address the payment of reciprocal compensation the Parties shall negotiate an arrangement that is consistent with the FCC's Reciprocal Compensation Remand Order.
- 7.1.1
- 7.2 Neither Party shall represent Switched Access Traffic as Local Traffic for purposes of payment of Intercarrier Compensation.
- 7.2.1
- 7.3 If <<customer_name>> assigns NPA/NXXs to specific BellSouth rate centers within the LATA and assigns numbers from those NPA/NXXs to <<customer_name>> end users physically located outside of that LATA, BellSouth traffic originating from within the LATA where the NPA/NXXs are assigned and delivered to a <<customer_name>> customer physically located outside of such LATA, shall not be deemed Local Traffic, and no compensation from BellSouth to <<customer_name>> shall be due therefor. Further, <<customer_name>> agrees to identify such interLATA traffic to BellSouth and to compensate BellSouth for originating and transporting such interLATA traffic to <<customer_name>> at BellSouth's switched access tariff rates.
- 7.4 If <<customer_name>> does not identify such interLATA traffic to BellSouth, to the best of BellSouth's ability BellSouth will determine which whole <<customer_name>> NPA/NXXs on which to charge the applicable rates for originating network access service as reflected in BellSouth's Access Service Tariff. BellSouth shall make appropriate billing adjustments if <<customer_name>> can provide sufficient information for BellSouth to determine whether or not said traffic is Local Traffic.
- 7.5 **Percent Local Use.** Each Party shall report to the other a Percent Local Usage ("PLU"). The application of the PLU will determine the amount of local minutes to be billed to the other Party. For purposes of developing the PLU, each Party shall consider every local call and every long distance call, excluding Transit Traffic. Each Party shall update its PLU on the first of January, April, July and October of the year and shall send it to the other Party to be received no later than 30 calendar days after the first of each such month based on local usage for the past three months ending the last day of December, March, June and September, respectively. Requirements associated with PLU calculation and reporting shall be as set forth in BellSouth's Jurisdictional Factors Reporting Guide, as it is amended from time to time. Notwithstanding the foregoing, where the terminating Party has message recording technology that identifies the jurisdiction

of traffic terminated as defined in this Agreement, such information, in lieu of the PLU factor, shall at the terminating Party's option be utilized to determine the appropriate local usage compensation to be paid.

- 7.6 **Percent Local Facility.** Each Party shall report to the other a Percent Local Facility ("PLF"). The application of the PLF will determine the portion of switched dedicated transport to be billed per the local jurisdiction rates. The PLF shall be applied to Multiplexing, Local Channel and Interoffice Channel Switched Dedicated Transport utilized in the provision of local interconnection trunks. Each Party shall update its PLF on the first of January, April, July and October of the year and shall send it to the other Party to be received no later than 30 calendar days after the first of each such month to be effective the first bill period the following month, respectively. Requirements associated with PLU and PLF calculation and reporting shall be as set forth in BellSouth's Jurisdictional Factors Reporting Guide, as it is amended from time to time.
- 7.7 **Percent Interstate Usage.** Each Party shall report to the other the projected Percent Interstate Usage ("PIU"). All jurisdictional report requirements, rules and regulations for Interexchange Carriers specified in BellSouth's Intrastate Access Services Tariff will apply to <<customer_name>>. After interstate and intrastate traffic percentages have been determined by use of PIU procedures, the PLU and PLF factors will be used for application and billing of local interconnection. Each Party shall update its PIUs on the first of January, April, July and October of the year and shall send it to the other Party to be received no later than 30 calendar days after the first of each such month, for all services showing the percentages of use (PIUs, PLU, and PLF) for the past three months ending the last day of December, March, June and September. Notwithstanding the foregoing, where the terminating Party has message recording technology that identifies the jurisdiction of traffic terminated as defined in this Agreement, such information, in lieu of the PIU and PLU factors, shall at the terminating Party's option be utilized to determine the appropriate local usage compensation to be paid.
- 7.8 **Audits.** On thirty (30) days written notice, each Party must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic. BellSouth and <<customer_name>> shall retain records of call detail for a minimum of nine months from which a PLU, PLF and/or PIU can be ascertained. The audit shall be accomplished during normal business hours at an office designated by the Party being audited. Audit requests shall not be submitted more frequently than one (1) time per calendar year. Audits shall be performed by a mutually acceptable independent auditory paid for by the Party requesting the audit. The PLU and/or PIU shall be adjusted based upon the audit results and shall apply to the usage for the quarter the audit was completed, to the usage for the quarter prior to the completion of the audit, and to the usage for the two quarters following the completion of the audit. If, as a result of an audit, either Party is found to have overstated the PLU and/or PIU by twenty percentage points

(20%) or more, that Party shall reimburse the auditing Party for the cost of the audit.

7.9 **Compensation for 8XX Traffic**

7.9.1 Compensation for 8XX Traffic. Each Party shall compensate the other pursuant to the appropriate switched access charges, including the database query charge as set forth in the BellSouth intrastate or interstate switched access tariffs.

7.9.2 Records for 8XX Billing. Each Party will provide to the other the appropriate records necessary for billing intraLATA 8XX customers. The records provided will be in a standard EMI format.

7.9.3 8XX Access Screening. BellSouth's provision of 8XX TFD to <<customer_name>> requires interconnection from <<customer_name>> to BellSouth 8XX SCP. Such interconnections shall be established pursuant to BellSouth's Common Channel Signaling Interconnection Guidelines and Bellcore's CCS Network Interface Specification document, TR-TSV-000905. <<customer_name>> shall establish CCS7 interconnection at the BellSouth Local Signal Transfer Points serving the BellSouth 8XX SCPs that <<customer_name>> desires to query. The terms and conditions for 8XX TFD are set out in BellSouth's Intrastate Access Services Tariff as amended.

7.10 **Mutual Provision of Switched Access Service**

7.10.1 Switched Access Traffic. Switched Access Traffic is described in the BellSouth Access Tariff. Additionally, any Public Switched Telephone Network interexchange telecommunications traffic, regardless of transport protocol method, where the originating and terminating points, end-to-end points, are in different LATAs, or are in the same LATA and the Parties' Switched Access services are used for the origination or termination of the call, shall be considered Switched Access Traffic. Irrespective of transport protocol method used, a call which originates in one LATA and terminates in another LATA (i.e., the end-to-end points of the call) or in which the Parties' Switched Access Services are used for the origination or termination of the call, shall not be compensated as local.

7.10.2 If the BellSouth end user chooses <<customer_name>> as their presubscribed interexchange carrier, or if the BellSouth end user uses <<customer_name>> as an interexchange carrier on a 101XXXX basis, BellSouth will charge <<customer_name>> the appropriate BellSouth tariff charges for originating switched access services

7.10.3 For originating or terminating switched access traffic on the other company's network, the originating Party will pay the terminating Party BellSouth's current intrastate or interstate, whichever is appropriate, switched access tariff rates as set forth in BellSouth's Intrastate or Interstate Access Services Tariff..

- 7.10.4 When <<customer_name>>'s end office switch, subtending the BellSouth Access Tandem switch for receipt or delivery of switched access traffic, provides an access service connection to or from an interexchange carrier ("IXC") by either a direct trunk group to the IXC utilizing BellSouth facilities, or via BellSouth's tandem switch, each Party will provide its own access services to the IXC and bill on a multi-bill, multi-tariff meet-point basis. Each Party will bill its own access services rates to the IXC with the exception of the interconnection charge. The interconnection charge will be billed by the Party providing the end office function. Each party will use the Multiple Exchange Carrier Access Billing (MECAB) guidelines to establish meet point billing for all applicable traffic. Thirty (30)-day billing periods will be employed for these arrangements. For tandem routed traffic, the tandem company agrees to provide to the Initial Billing Company as defined in MECAB, at no charge, all the switched access detail usage data, recorded at the access tandem, within no more than sixty (60) days after the recording date. The Initial Billing Company will provide the switched access summary usage data, for all originating and terminating traffic, to all Subsequent Billing Companies as defined in MECAB within 10 days of rendering the initial bill to the IXC. Each Party will notify the other when it is not feasible to meet these requirements so that the customers may be notified for any necessary revenue accrual associated with the significantly delayed recording or billing. As business requirements change data reporting requirements may be modified as necessary.
- 7.10.5 In the event that either Party fails to provide the appropriate MECAB switched access usage data to the other Party within 90 days after the recording date and the receiving Party is unable to bill and/or collect access revenues due to the sending Party's failure to provide such data within said time period, then the Party failing to send the data as specified herein shall be liable to the other Party in an amount equal to the unbillable or uncollectible revenues. Each company will provide complete documentation to the other to substantiate any claim of unbillable switched access revenues, and a negotiated settlement will be agreed upon between the Parties.
- 7.10.6 Each Party will retain for a minimum period of sixty (60) days, access message detail sufficient to recreate any data which is lost or damaged by their company or any third party involved in processing or transporting data.
- 7.10.7 Each Party agrees to recreate the lost or damaged data within forty-eight (48) hours of notification by the other or by an authorized third party handling the data.
- 7.10.8 Each Party also agrees to process the recreated data within forty-eight (48) hours of receipt at its data processing center.
- 7.10.9 All claims should be filed with the other Party within 120 days of the receipt of the date of the unbillable usage.

- 7.10.10 The Initial Billing Company shall keep records of its billing activities relating to jointly-provided Intrastate and Interstate access services in sufficient detail to permit the Subsequent Billing Party to, by formal or informal review or audit, to verify the accuracy and reasonableness of the jointly-provided access billing data provided by the Initial Billing Party. Each Party agrees to cooperate in such formal or informal reviews or audits and further agrees to jointly review the findings of such reviews or audits in order to resolve any differences concerning the findings thereof.
- 7.10.11 <<customer_name>> agrees not to deliver switched access traffic to BellSouth for termination except over <<customer_name>> ordered switched access trunks and facilities.
- 7.11 **Transit Traffic**
- 7.11.1 BellSouth shall provide tandem switching and transport services for <<customer_name>>'s Transit Traffic. Rates for Local and ISP-bound Transit Traffic shall be the applicable Call Transport and Termination charges as set forth in Exhibit B of Attachment 2 of this Agreement. Rates for Switched Access Transit Traffic shall be the applicable charges as set forth in BellSouth Interstate or Intrastate Switched Access tariffs. Switched Access Transit Traffic presumes that <<customer_name>>'s end office is subtending the BellSouth Access Tandem for switched access traffic to and from <<customer_name>>'s end users utilizing BellSouth facilities, either by direct trunks with the IXC, or via the BellSouth Access Tandem. Billing associated with all Transit Traffic shall be pursuant to MECAB guidelines. Pursuant to these guidelines, the Initial Billing Company shall provide summary usage data, for all originating and terminating Transit Traffic, to all Subsequent Billing Companies. Traffic between <<customer_name>> and Wireless Type 1 third parties shall not be treated as Transit Traffic from a routing or billing perspective. Traffic between <<customer_name>> and Wireless Type 2A or UNE-CLEC third parties shall not be treated as Transit Traffic from a routing or billing perspective until BellSouth and the Wireless carrier or UNE-CLEC third party have the capability to properly meet-point-bill in accordance with MECAB guidelines.
- 7.11.2 In the event that either Party fails to provide the appropriate MECAB usage data to the other Party within 90 days after the recording date and the receiving Party is unable to bill and/or collect Transit Traffic revenues due to the sending Party's failure to provide such data within said time period, then the Party failing to send the data as specified herein shall be liable to the other Party in an amount equal to the unbillable or uncollectible revenues. Each company will provide complete documentation to the other to substantiate any claim of unbillable revenues and a negotiated settlement will be agreed upon between the Parties
- 7.11.3 The delivery of traffic which transits the BellSouth network and is transported to another carrier's network is excluded from any BellSouth billing guarantees and

will be delivered at the rates stipulated in this Agreement to a terminating carrier. BellSouth agrees to deliver this traffic to the terminating carrier; provided, however, that <<customer_name>> is solely responsible for negotiating and executing any appropriate contractual agreements with the terminating carrier for the receipt of this traffic through the BellSouth network. BellSouth will not be liable for any compensation to the terminating carrier or to <<customer_name>>. <<customer_name>> agrees to compensate BellSouth for any charges or costs for the delivery of Transit Traffic to a connecting carrier on behalf of <<customer_name>>. Additionally, the Parties agree that any billing to a third party or other telecommunications carrier under this section shall be pursuant to MECAB procedures.

8. FRAME RELAY SERVICE INTERCONNECTION

- 8.1 In addition to the Local Interconnection services set forth above, BellSouth will offer a network to network Interconnection arrangement between BellSouth's and <<customer_name>>'s frame relay switches as set forth below. The following provisions will apply only to Frame Relay Service and Exchange Access Frame Relay Service in those states in which <<customer_name>> is certified and providing Frame Relay Service as a Local Exchange Carrier and where traffic is being exchanged between <<customer_name>> and BellSouth Frame Relay Switches in the same LATA.
- 8.2 The Parties agree to establish two-way Frame Relay facilities between their respective Frame Relay Switches to the mutually agreed upon Frame Relay Service point(s) of interconnection ("IP(s)") within the LATA. All IPs shall be within the same Frame Relay Network Serving Areas as defined in Section A40 of BellSouth's General Subscriber Service Tariff except as set forth in this Attachment.
- 8.3 Upon the request of either Party, such interconnection will be established where BellSouth and <<customer_name>> have Frame Relay Switches in the same LATA. Where there are multiple Frame Relay switches in one central office, an interconnection with any one of the switches will be considered an interconnection with all of the switches at that central office for purposes of routing packet traffic.
- 8.4 The Parties agree to provision local and intraLATA Frame Relay Service and Exchange Access Frame Relay Service (both intrastate and interstate) over Frame Relay interconnection facilities between the respective Frame Relay switches and the IPs.
- 8.5 The Parties agree to assess each other reciprocal charges for the facilities that each provides to the other according to the Percent Local Circuit Use Factor (PLCU), determined as follows:

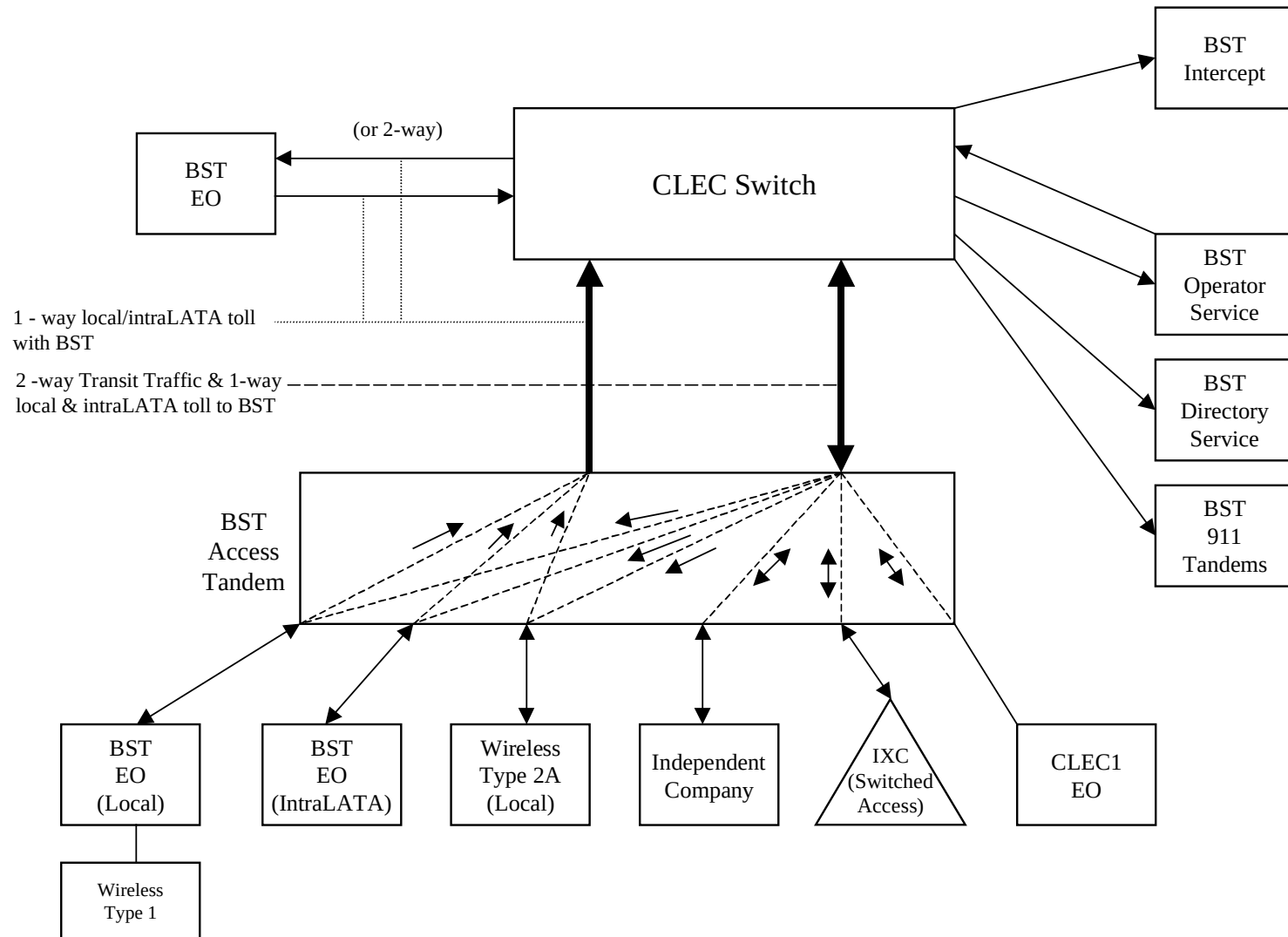
- 8.5.1 If the data packets originate and terminate in locations in the same LATA, and consistent with the local definitions of the Agreement, the traffic is considered local. Frame Relay framed packet data is transported within Virtual Circuits (VC). For the purposes of this Agreement, if all the data packets transported within a VC remain within the LATA, then consistent with the local definitions in this Agreement, the traffic on that VC is local ("Local VC").
- 8.5.2 If the originating and terminating locations of the two-way packet data traffic are not in the same LATA, the traffic on that VC is interLATA ("InterLATA VC").
- 8.5.3 The PLCU is determined by dividing the total number of Local VCs, by the total number of VCs on each Frame Relay facility. To facilitate implementation, <<customer_name>> may determine its PLCU in aggregate, by dividing the total number of Local VCs in a given LATA by the total number VCs in that LATA. The Parties agree to renegotiate the method for determining PLCU, at BellSouth's request, and within 90 days, if BellSouth notifies <<customer_name>> that it has found that this method does not adequately represent the PLCU.
- 8.5.4 If there are no VCs on a facility when it is billed, the PLCU will be zero.
- 8.5.5 BellSouth will provide the circuit between the Parties' respective Frame Relay Switches. The Parties will be compensated as follows: BellSouth will invoice, and <<customer_name>> will pay, the total non-recurring and recurring charges for the circuit based upon the rates set forth in BellSouth's Interstate Access Tariff, FCC No. 1. <<customer_name>> will then invoice, and BellSouth will pay, an amount calculated by multiplying the BellSouth billed charges for the circuit by one-half of <<customer_name>>'s PLCU.
- 8.6 The Parties agree to compensate each other for Frame Relay network-to-network interface (NNI) ports based upon the NNI rates set forth in BellSouth's Interstate Access Tariff, FCC No. 1. Compensation for each pair of NNI ports will be calculated as follows: BellSouth will invoice, and <<customer_name>> will pay, the total non-recurring and recurring charges for the NNI port. <<customer_name>> will then invoice, and BellSouth will pay, an amount calculated by multiplying the BellSouth billed non-recurring and recurring charges for the NNI port by <<customer_name>>'s PLCU.
- 8.7 Each Party agrees that there will be no charges to the other Party for its own subscriber's Permanent Virtual Circuit (PVC) rate elements for the local PVC segment from its Frame Relay switch to its own subscriber's premises. PVC rate elements include the Data Link Connection Identifier (DLCI) and Committed Information Rate (CIR).
- 8.8 For the PVC segment between the <<customer_name>> and BellSouth Frame Relay switches, compensation for the PVC charges is based upon the rates in BellSouth's Interstate Access Tariff, FCC No. 1.

- 8.9 Compensation for PVC rate elements will be calculated as follows:
- 8.9.1 If <<customer_name>> orders a VC connection between a BellSouth subscriber's PVC segment and a PVC segment from the BellSouth Frame Relay switch to the <<customer_name>> Frame Relay switch, BellSouth will invoice, and <<customer_name>> will pay, the total non-recurring and recurring PVC charges for the PVC segment between the BellSouth and <<customer_name>> Frame Relay switches. If the VC is a Local VC, <<customer_name>> will then invoice and BellSouth will pay, the total nonrecurring and recurring PVC charges billed for that segment. If the VC is not local, no compensation will be paid to <<customer_name>> for the PVC segment.
- 8.9.2 If BellSouth orders a Local VC connection between a <<customer_name>> subscriber's PVC segment and a PVC segment from the <<customer_name>> Frame Relay switch to the BellSouth Frame Relay switch, BellSouth will invoice, and <<customer_name>> will pay, the total non-recurring and recurring PVC and CIR charges for the PVC segment between the BellSouth and <<customer_name>> Frame Relay switches. If the VC is a Local VC, <<customer_name>> will then invoice and BellSouth will pay the total non-recurring and recurring PVC and CIR charges billed for that segment. If the VC is not local, no compensation will be paid to <<customer_name>> for the PVC segment.
- 8.9.3 The Parties agree to compensate each other for requests to change a PVC segment or PVC service order record, according to the Feature Change charge as set forth in the BellSouth access tariff BellSouth Tariff FCC No. 1.
- 8.9.4 If <<customer_name>> requests a change, BellSouth will invoice and <<customer_name>> will pay a Feature Change charge for each affected PVC segment.
- 8.9.4.1 If BellSouth requests a change to a Local VC, <<customer_name>> will invoice and BellSouth will pay a Feature Change charge for each affected PVC segment.
- 8.9.5 The Parties agree to limit the sum of the CIR for the VCs on a DS1 NNI port to not more than three times the port speed, or not more than six times the port speed on a DS3 NNI port.
- 8.9.6 Except as expressly provided herein, this Agreement does not address or alter in any way either Party's provision of Exchange Access Frame Relay Service or interLATA Frame Relay Service. All charges by each Party to the other for carriage of Exchange Access Frame Relay Service or interLATA Frame Relay Service are included in the BellSouth access tariff BellSouth Tariff FCC No. 1.
- 8.10 <<customer_name>> will identify and report quarterly to BellSouth the PLCU of the Frame Relay facilities it uses, per Section 8.5.3 above.

- 8.11 Either Party may request a review or audit of the various service components, consistent with the provisions of section E2 of the BellSouth State Access Services tariffs or Section 2 of the BellSouth FCC No.1 Tariff.
- 8.12 If during the term of this Agreement, BellSouth obtains authority to provide interLATA Frame Relay in any State, the Parties agree to renegotiate this arrangement for the exchange of Frame Relay Service Traffic within one hundred eighty (180) days of the date BellSouth receives interLATA authority. In the event the Parties fail to renegotiate this Section 8 within the one hundred eighty day period, they will submit this matter to the appropriate State commission(s) for resolution.
- 9. OPERATIONAL SUPPORT SYSTEMS (OSS)**
- 9.1 The terms, conditions and rates for OSS are as set forth in FCC Tariff for Access Service Records.

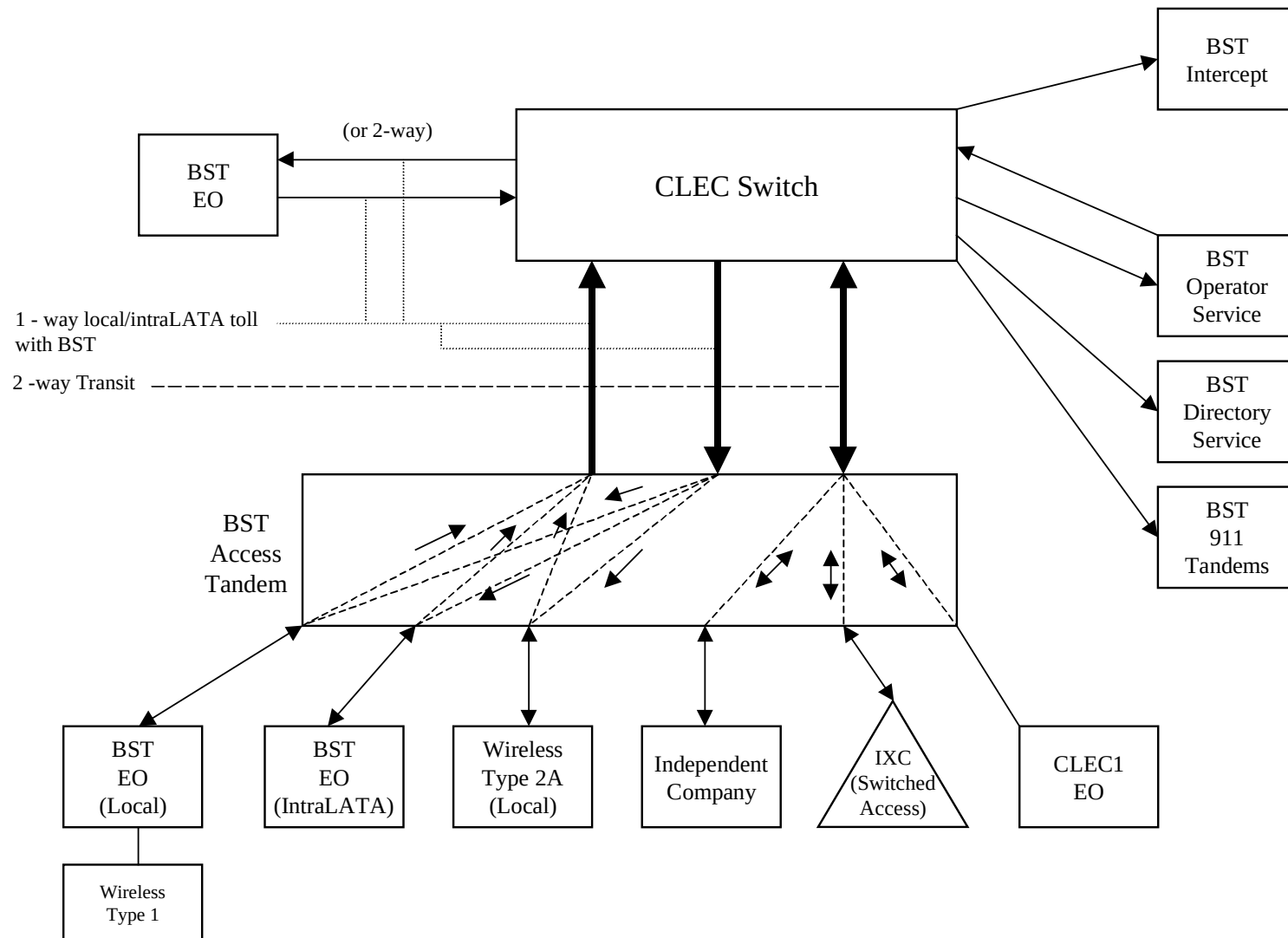
Basic Architecture

Exhibit B



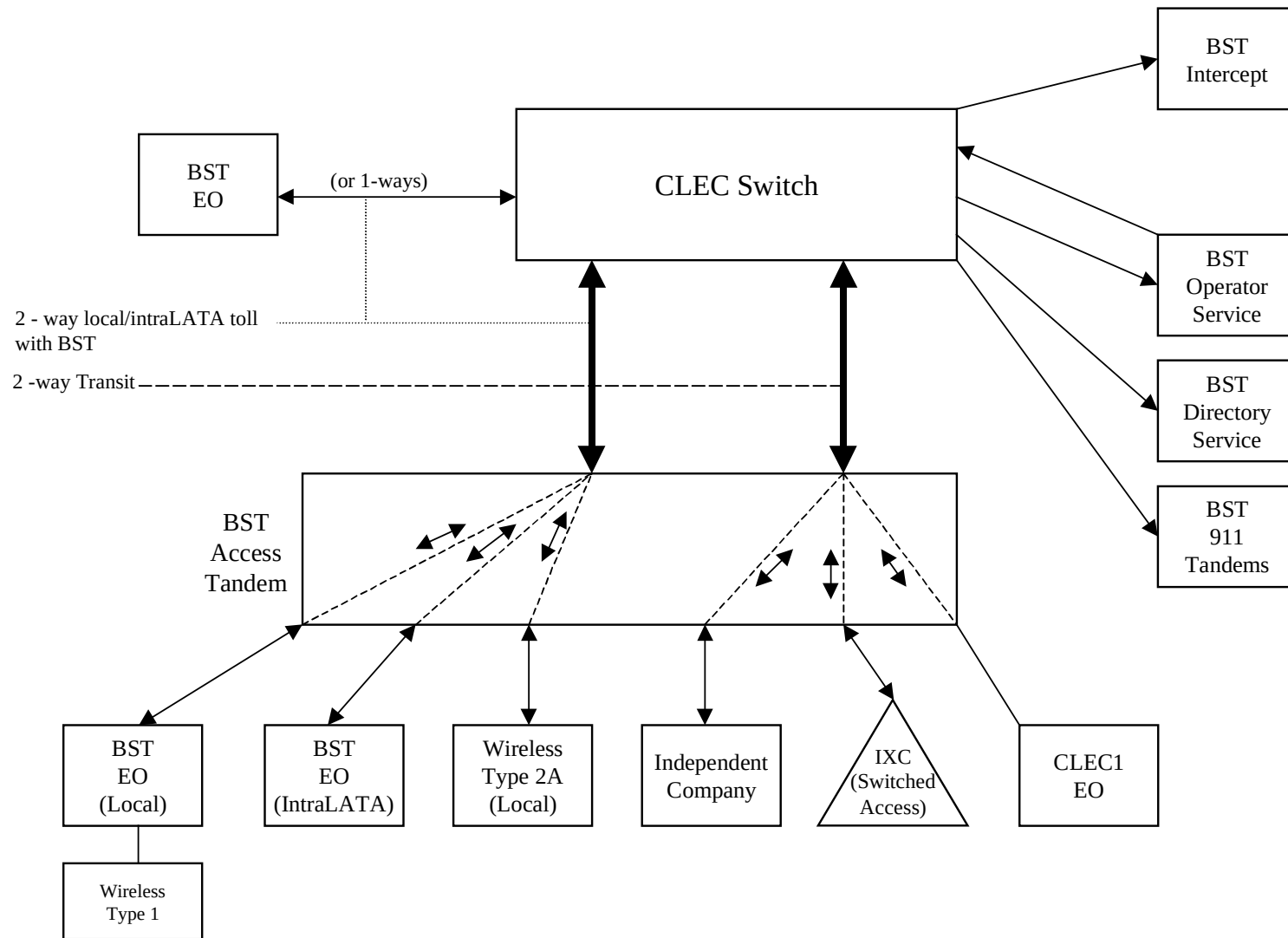
One-Way Architecture

Exhibit C

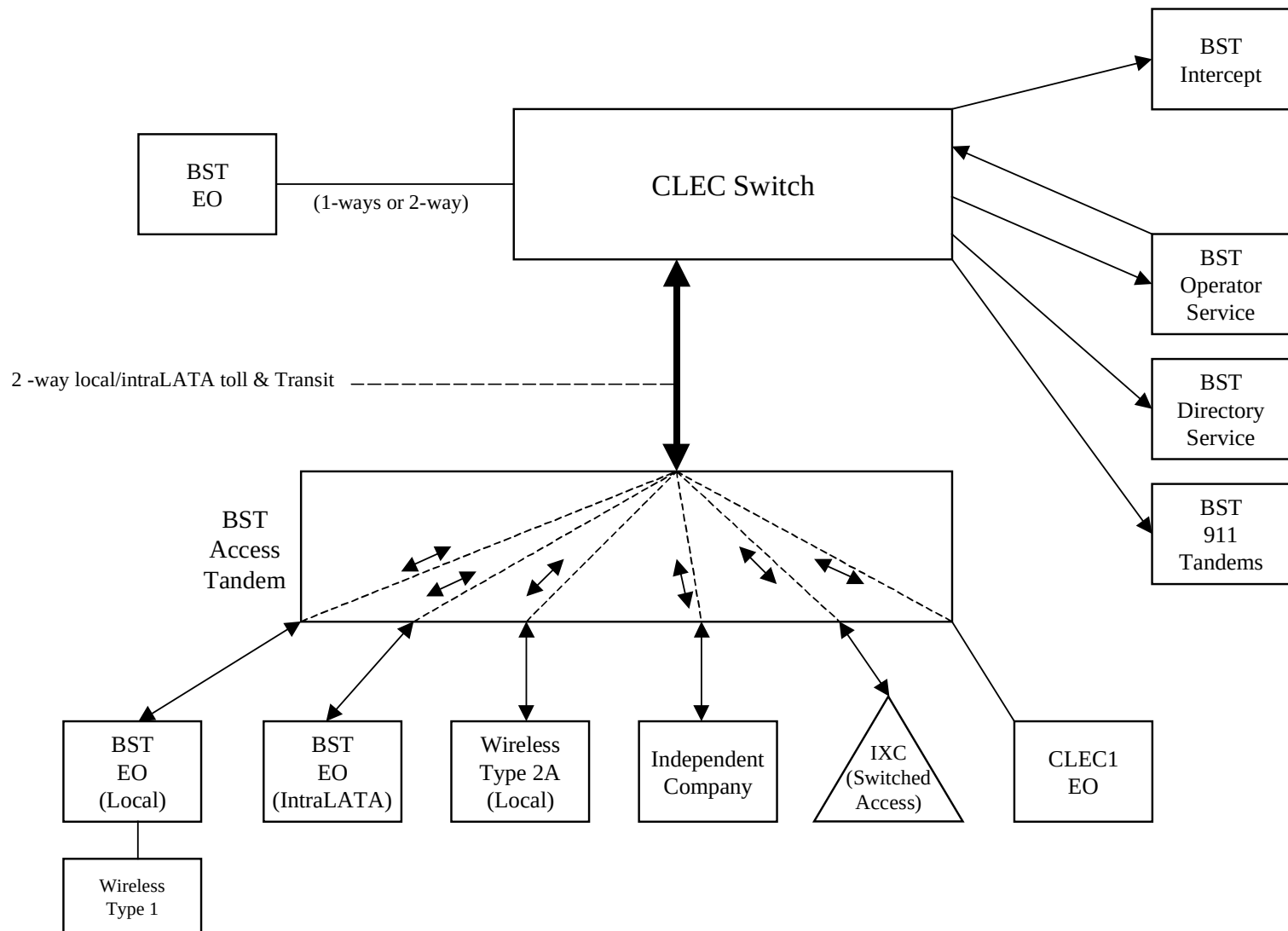


Two-Way Architecture

Exhibit D



Supergroup Architecture



Attachment 4
Physical Collocation

1. Scope of Attachment

- 1.1 Scope of Attachment. The terms and conditions contained within this Attachment and the rates in Exhibit B of Attachment 2 to this Agreement, incorporated herein by this reference, shall only apply when <<CUSTOMER NAME>> is physically collocated as a sole occupant or as a Host within a Premises location pursuant to this Attachment. BellSouth Premises include BellSouth Central Offices and Serving Wire Centers (hereinafter "Premises"). This Attachment is applicable to Premises owned or leased by BellSouth. However, if the Premises occupied by BellSouth is leased by BellSouth from a third party, special considerations and intervals may apply in addition to the terms and conditions of this Attachment.
- 1.2 Right to Occupy. BellSouth shall offer to <<CUSTOMER NAME>> collocation on rates, terms, and conditions that are just, reasonable, non-discriminatory and consistent with the rules of the Federal Communications Commission ("FCC"). Subject to the terms and conditions of this Attachment and the rates contained in Exhibit B of Attachment 2 to this Agreement, where space is available and it is technically feasible, BellSouth will allow <<CUSTOMER NAME>> to occupy that certain area designated by BellSouth within a BellSouth Premises, or on BellSouth property upon which the BellSouth Premises is located, of a size which is specified by <<CUSTOMER NAME>> and agreed to by BellSouth (hereinafter "Collocation Space"). The necessary rates, terms and conditions for BellSouth locations other than BellSouth Premises shall be negotiated upon request for collocation at such location(s).
- 1.2.1 Neither BellSouth nor any of BellSouth's affiliates may reserve space for future use on more preferential terms than those set forth below.
- 1.2.1.1 In Tennessee the size specified by <<CUSTOMER NAME>> may contemplate a request for space sufficient to accommodate <<CUSTOMER NAME>>'s growth within a two-year period.
- 1.3 Space Reclamation. In the event of space exhaust within a Central Office Premises, BellSouth may include in its documentation for the Petition for Waiver filing any unutilized space in the Central Office Premises. <<CUSTOMER NAME>> will be responsible for any justification of unutilized space within its space, if such justification is required by the appropriate state commission.
- 1.4 Use of Space. <<CUSTOMER NAME>> shall use the Collocation Space for the purposes of installing, maintaining and operating <<CUSTOMER NAME>>'s equipment (to include testing and monitoring equipment) necessary for interconnection with BellSouth services and facilities or for accessing BellSouth unbundled network elements for the provision of

telecommunications services. The Collocation Space may be used for no other purposes except as specifically described herein or in any amendment hereto.

1.5 Rates and Charges. <<CUSTOMER NAME>> agrees to pay the rates and charges identified in Exhibit B of Attachment 2 to this Agreement.

1.6 Due Dates. If any due date contained in this Attachment falls on a weekend or National holiday, then the due date will be the next business day thereafter.

1.7 The parties agree to comply with all applicable federal, state, county, local and administrative laws, rules, ordinances, regulations and codes in the performance of their obligations hereunder.

2. Space Availability Report

2.1 Space Availability Report. Upon request from <<CUSTOMER NAME>>, BellSouth will provide a written report ("Space Availability Report") specifying the amount of Collocation Space available at the Premises requested, the number of collocators present at the Premises, any modifications in the use of the space since the last report on the Premises requested and the measures BellSouth is taking to make additional space available for collocation arrangements.

2.1.1 The request from <<CUSTOMER NAME>> for a Space Availability Report must be written and must include the Premises street address, located in the Local Exchange Routing Guide and Common Language Location Identification ("CLLI") code of the Premises. CLLI code information is located in the National Exchange Carriers Association (NECA) Tariff FCC No. 4.

2.1.2 BellSouth will respond to a request for a Space Availability Report for a particular Premises within ten (10) calendar days of receipt of such request. BellSouth will make best efforts to respond in ten (10) calendar days to such a request when the request includes from two (2) to five (5) Premises within the same state. The response time for requests of more than five (5) Premises shall be negotiated between the Parties. If BellSouth cannot meet the ten calendar day response time, BellSouth shall notify <<CUSTOMER NAME>> and inform <<CUSTOMER NAME>> of the time frame under which it can respond.

3. Collocation Options

3.1 Cageless. BellSouth shall allow <<CUSTOMER NAME>> to collocate <<CUSTOMER NAME>>'s equipment and facilities without requiring the construction of a cage or similar structure. BellSouth shall allow <<CUSTOMER NAME>> to have direct access to its equipment and facilities.

BellSouth shall make cageless collocation available in single bay increments. Except where <<CUSTOMER NAME>>'s equipment requires special technical considerations (e.g., special cable racking, isolated ground plane, etc.), BellSouth shall assign cageless Collocation Space in conventional equipment rack lineups where feasible. For equipment requiring special technical considerations, <<CUSTOMER NAME>> must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in Telcordia GR-63-Core, and shall be responsible for compliance with all special technical requirements associated with such equipment.

- 3.1.1 At <<CUSTOMER NAME>>'s expense, <<CUSTOMER NAME>> may arrange with a contractor certified by BellSouth ("Certified Contractor") to construct a collocation arrangement enclosure in accordance with BellSouth's guidelines and specifications prior to starting equipment installation. BellSouth will provide guidelines and specifications upon request. Where local building codes require enclosure specifications more stringent than BellSouth's standard enclosure specification, <<CUSTOMER NAME>> and <<CUSTOMER NAME>>'s Certified Contractor must comply with the more stringent local building code requirements. <<CUSTOMER NAME>>'s Certified Contractor shall be responsible for filing and receiving any and all necessary permits and/or licenses for such construction. BellSouth shall cooperate with <<CUSTOMER NAME>> and provide, at <<CUSTOMER NAME>>'s expense, the documentation, including architectural drawings, necessary for <<CUSTOMER NAME>> to obtain the zoning, permits and/or other licenses. <<CUSTOMER NAME>>'s Certified Contractor shall bill <<CUSTOMER NAME>> directly for all work performed for <<CUSTOMER NAME>> pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the <<CUSTOMER NAME>>'s Certified Contractor. <<CUSTOMER NAME>> must provide the local BellSouth building contact with two Access Keys used to enter the locked enclosure. Except in case of emergency, BellSouth will not access <<CUSTOMER NAME>>'s locked enclosure prior to notifying <<CUSTOMER NAME>>. Upon request, BellSouth shall construct the enclosure for <<CUSTOMER NAME>>.
- 3.1.2 BellSouth may elect to review <<CUSTOMER NAME>>'s plans and specifications prior to allowing construction to start to ensure compliance with BellSouth's guidelines and specifications. BellSouth shall complete its review within fifteen (15) calendar days. <<CUSTOMER NAME>> shall be able to design caged enclosures in amounts as small as sufficient to house and maintain a single rack or bay of equipment. If BellSouth reviews <<CUSTOMER NAME>>'s plans and specifications prior to construction, then BellSouth will have the right to inspect the enclosure after construction to make sure it is constructed according to the submitted plans and specifications. If BellSouth elects not to review <<CUSTOMER NAME>>'s

- plans and specifications prior to construction, <<CUSTOMER NAME>> will be entitled to request BellSouth to review; and in the event <<CUSTOMER NAME>> does not request a BellSouth review, BellSouth shall have the right to inspect the enclosure after construction to make sure it is constructed according to BellSouth's guidelines and specifications. BellSouth may require <<CUSTOMER NAME>> to remove or correct within seven (7) calendar days at <<CUSTOMER NAME>>'s expense any structure that does not meet these plans and specifications or, where applicable, BellSouth guidelines and specifications.
- 3.2 Shared (Subleased) Caged Collocation. <<CUSTOMER NAME>> may allow other telecommunications carriers to share <<CUSTOMER NAME>>'s caged collocation arrangement pursuant to terms and conditions agreed to by <<CUSTOMER NAME>> ("Host") and other telecommunications carriers ("Guests") and pursuant to this section, except where the BellSouth Premises is located within a leased space and BellSouth is prohibited by said lease from offering such an option. <<CUSTOMER NAME>> shall notify BellSouth in writing upon execution of any Attachment between the Host and its Guest within ten (10) calendar days of its execution and prior to any Firm Order. Further, such notice shall include the name of the Guest(s) and the term of the Attachment, and shall contain a certification by <<CUSTOMER NAME>> that said Attachment imposes upon the Guest(s) the same terms and conditions for Collocation Space as set forth in this Attachment between BellSouth and <<CUSTOMER NAME>>.
- 3.2.1 <<CUSTOMER NAME>>, as the Host shall be the sole interface and responsible Party to BellSouth for the assessment and billing of rates and charges contained within Exhibit B of Attachment 2 to this Agreement for the purposes of ensuring that the safety and security requirements of this Attachment are fully complied with by the Guest, its employees and agents. BellSouth shall provide <<CUSTOMER NAME>> with a proration of the costs of the collocation space based on the number of collocators and the space used by each. In Tennessee, and in addition to the foregoing, <<CUSTOMER NAME>> shall be the responsible party to BellSouth for the purpose of submitting Applications for initial and additional equipment placement of Guest. In the event the Host and Guest jointly submit an initial Application, only one Application Fee will be assessed. A separate initial Guest application shall require the assessment of a Subsequent Application Fee, as set forth in Exhibit B of Attachment 2 to this Agreement, if this Application is not the initial Application made for the arrangement. Notwithstanding the foregoing, Guest may arrange directly with BellSouth for the provision of the interconnecting facilities between BellSouth and Guest and for the provision of the services and access to unbundled network elements.

- 3.2.2 <<CUSTOMER NAME>> shall indemnify and hold harmless BellSouth from any and all claims, actions, causes of action, of whatever kind or nature arising out of the presence of <<CUSTOMER NAME>>'s Guests in the Collocation Space except to the extent caused by BellSouth's sole negligence, gross negligence, or willful misconduct.
- 3.3 Adjacent Collocation. Subject to technical feasibility and space availability, BellSouth will permit adjacent collocation arrangements ("Adjacent Arrangement") on the Premises' property where physical collocation space within the Premises is legitimately exhausted, where the Adjacent Arrangement does not interfere with access to existing or planned structures or facilities on the Premises property. The Adjacent Arrangement shall be constructed or procured by <<CUSTOMER NAME>> and in conformance with BellSouth's design and construction specifications. Further, <<CUSTOMER NAME>> shall construct, procure, maintain and operate said Adjacent Arrangement(s) pursuant to all of the terms and conditions set forth in this Attachment and the rates set forth in Exhibit B of Attachment 2 to this Agreement.
- 3.3.1 Should <<CUSTOMER NAME>> elect such option, <<CUSTOMER NAME>> must arrange with a Certified Contractor to construct an Adjacent Arrangement structure in accordance with BellSouth's guidelines and specifications. BellSouth will provide guidelines and specifications upon request. Where local building codes require enclosure specifications more stringent than BellSouth's standard specification, <<CUSTOMER NAME>> and <<CUSTOMER NAME>>'s Certified Contractor must comply with the more stringent local building code requirements. <<CUSTOMER NAME>>'s Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or licenses for such construction. <<CUSTOMER NAME>>'s Certified Contractor shall bill <<CUSTOMER NAME>> directly for all work performed for <<CUSTOMER NAME>> pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by <<CUSTOMER NAME>>'s Certified Contractor. <<CUSTOMER NAME>> must provide the local BellSouth building contact with two cards, keys or other access device used to enter the locked enclosure. Except in cases of emergency, BellSouth shall not access <<CUSTOMER NAME>>'s locked enclosure prior to notifying <<CUSTOMER NAME>>.
- 3.3.2 <<CUSTOMER NAME>> must submit its plans and specifications to BellSouth with its Firm Order. BellSouth may elect to review <<CUSTOMER NAME>>'s plans and specifications prior to construction of an Adjacent Arrangement(s) to ensure compliance with BellSouth's guidelines and specifications. BellSouth shall complete its review within fifteen (15) calendar days. If BellSouth reviews <<CUSTOMER NAME>>'s plans and specifications prior to construction, then BellSouth will have the right to

- inspect the Adjacent Arrangement after construction to make sure it is constructed according to the submitted plans and specifications. If BellSouth elects not to review <<CUSTOMER NAME>>'s plans and specifications prior to construction, <<CUSTOMER NAME>> will be entitled to request BellSouth to review; and in the event <<CUSTOMER NAME>> does not request a BellSouth review, BellSouth shall have the right to inspect the Adjacent Arrangement after construction to make sure it is constructed according to BellSouth's guidelines and specifications. BellSouth may require <<CUSTOMER NAME>> to remove or correct within seven (7) calendar days at <<CUSTOMER NAME>>'s expense any structure that does not meet these plans and specifications or, where applicable, BellSouth's guidelines and specifications.
- 3.3.3 <<CUSTOMER NAME>> shall provide a concrete pad, the structure housing the arrangement, heating/ventilation/air conditioning ("HVAC"), lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the BellSouth point of demarcation. At <<CUSTOMER NAME>>'s option, and where the local authority having jurisdiction permits, BellSouth shall provide an AC power source and access to physical collocation services and facilities subject to the same nondiscriminatory requirements as applicable to any other physical collocation arrangement. <<CUSTOMER NAME>>'s Certified Contractor shall be responsible, at <<CUSTOMER NAME>>'s expense, for filing and receiving any and all necessary zoning, permits and/or licenses for such arrangement.
- 3.3.4 BellSouth shall allow Shared (Subleased) Caged Collocation within an Adjacent Arrangement pursuant to the terms and conditions set forth herein.

4. Occupancy

- 4.1 Occupancy. BellSouth will notify <<CUSTOMER NAME>> in writing that the Collocation Space is ready for occupancy ("Space Ready Date"). <<CUSTOMER NAME>> must notify BellSouth in writing that collocation equipment installation is complete and is operational with BellSouth's network. BellSouth may, at its option, not accept orders for cross connects until receipt of such notice. For purposes of this paragraph, <<CUSTOMER NAME>>'s telecommunications equipment will be deemed operational when cross-connected to BellSouth's network for the purpose of service provision.
- 4.2 Termination of Occupancy. In addition to any other provisions addressing termination of occupancy in this Attachment, <<CUSTOMER NAME>> may terminate occupancy in a particular Collocation Space by submitting a Subsequent Application requesting termination of occupancy. A Subsequent Application Fee will not apply for termination of occupancy. BellSouth may

terminate <<CUSTOMER NAME>>'s right to occupy the Collocation Space in the event <<CUSTOMER NAME>> fails to comply with any provision of this Attachment.

- 4.2.1 Upon termination of occupancy, <<CUSTOMER NAME>> at its expense shall remove its equipment and other property from the Collocation Space. <<CUSTOMER NAME>> shall have thirty (30) calendar days from the termination date to complete such removal, including the removal of all equipment and facilities of <<CUSTOMER NAME>>'s Guests, unless CLEC's Guest has assumed responsibility for the collocation space housing the Guest's equipment and executed the documentation required by BellSouth prior to such removal date. <<CUSTOMER NAME>> shall continue payment of monthly fees to BellSouth until such date as <<CUSTOMER NAME>>, and if applicable <<CUSTOMER NAME>>'s Guest, has fully vacated the Collocation Space. Should <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest fail to vacate the Collocation Space within thirty (30) calendar days from the termination date, BellSouth shall have the right to remove the equipment and other property of <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest at <<CUSTOMER NAME>>'s expense and with no liability for damage or injury to <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest's property unless caused by the gross negligence or intentional misconduct of BellSouth. Upon termination of <<CUSTOMER NAME>>'s right to occupy Collocation Space, <<CUSTOMER NAME>> shall surrender such Collocation Space to BellSouth in the same condition as when first occupied by <<CUSTOMER NAME>> except for ordinary wear and tear, unless otherwise agreed to by the Parties. <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s BellSouth Certified Vendor shall be responsible for updating and making any necessary changes to BellSouth's records as required by BellSouth's guidelines and specifications including but not limited to Central Office Record Drawings and ERMA records. <<CUSTOMER NAME>> shall be responsible for the cost of removing any enclosure, together with all support structures (e.g., racking, conduits, etc.), at the termination of occupancy and restoring the grounds to their original condition.

5. Use of Collocation Space

- 5.1 Equipment Type. BellSouth permits the collocation of any type of equipment necessary for interconnection to BellSouth's network or for access to BellSouth's unbundled network elements in the provision of telecommunications services.
- 5.1.1 Such equipment must at a minimum meet the following BellCore (Telcordia) Network Equipment Building Systems (NEBS) General Equipment Requirements: Criteria Level 1 requirements as outlined in the BellCore

- (Telcordia) Special Report SR-3580, Issue 1; equipment design spatial requirements per GR-63-CORE, Section 2; thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79; acoustic noise per GR-063-CORE, Section 4, Criterion 128, and National Electric Code standards. Except where otherwise required by a Commission, BellSouth shall comply with the applicable FCC rules relating to denial of collocation based on <<CUSTOMER NAME>>'s failure to comply with this section.
- 5.1.2 <<CUSTOMER NAME>> shall not request more DS0, DS1, DS3 and optical terminations for a collocation arrangement than the total port or termination capacity of the transmission equipment physically installed in the arrangement. The total capacity of the transmission equipment collocated in the arrangement will include equipment contained in the application in question as well as equipment already placed in the arrangement. Collocated cross-connect devices are not considered transmission equipment. If full network termination capacity of the transmission equipment being installed is not requested in the application, additional network terminations for the installed equipment will require the submission of another application. In the event that <<CUSTOMER NAME>> submits an application for terminations that exceed the total capacity of the collocated equipment, <<CUSTOMER NAME>> will be informed of the discrepancy and will be required to submit a revision to the application.
- 5.2 <<CUSTOMER NAME>> shall not use the Collocation Space for marketing purposes nor shall it place any identifying signs or markings outside the Collocation Space or on the grounds of the Premises.
- 5.2.1 <<CUSTOMER NAME>> shall place a plaque or other identification affixed to <<CUSTOMER NAME>>'s equipment necessary to identify <<CUSTOMER NAME>>'s equipment, including a list of emergency contacts with telephone numbers.
- 5.3 Entrance Facilities. <<CUSTOMER NAME>> may elect to place <<CUSTOMER NAME>>-owned or <<CUSTOMER NAME>>-leased fiber entrance facilities into the Collocation Space. BellSouth will designate the point of interconnection in close proximity to the Premises building housing the Collocation Space, such as an entrance manhole or a cable vault which are physically accessible by both Parties. <<CUSTOMER NAME>> will provide and place fiber cable at the point of entrance of sufficient length to be pulled through conduit and into the splice location. <<CUSTOMER NAME>> will provide and install a sufficient length of fire retardant riser cable, to which the entrance cable will be spliced by BellSouth, which will extend from the splice location to <<CUSTOMER NAME>>'s equipment in the Collocation Space. In the event <<CUSTOMER NAME>> utilizes a non-metallic, riser-type entrance facility, a splice will not be required. <<CUSTOMER NAME>> must contact BellSouth for instructions prior to placing the entrance facility

cable in the manhole. <<CUSTOMER NAME>> is responsible for maintenance of the entrance facilities. At <<CUSTOMER NAME>>'s option BellSouth will accommodate where technically feasible a microwave entrance facility pursuant to separately negotiated terms and conditions. In the case of adjacent collocation, unless BellSouth determines that limited space is available for the entrance facilities, copper facilities may be used between the adjacent collocation arrangement and the central office demarcation point.

- 5.3.1 Dual Entrance. BellSouth will provide at least two interconnection points at each Premises where there are at least two such interconnection points available and where capacity exists. Upon receipt of a request for physical collocation under this Attachment, BellSouth shall provide <<CUSTOMER NAME>> with information regarding BellSouth's capacity to accommodate dual entrance facilities. If conduit in the serving manhole(s) is available and is not reserved for another purpose for utilization within 12 months of the receipt of an application for collocation, BellSouth will make the requested conduit space available for installing a second entrance facility to <<CUSTOMER NAME>>'s arrangement. The location of the serving manhole(s) will be determined at the sole discretion of BellSouth. Where dual entrance is not available due to lack of capacity, BellSouth will so state in the Application Response.
- 5.3.2 Shared Use. <<CUSTOMER NAME>> may utilize spare capacity on an existing interconnector entrance facility for the purpose of providing an entrance facility to <<CUSTOMER NAME>>'s collocation arrangement within the same BellSouth Premises. BellSouth shall allow the splice, provided that the fiber is non-working fiber. <<CUSTOMER NAME>> must arrange with BellSouth for BellSouth to splice the <<CUSTOMER NAME>> provided riser cable to the spare capacity on the entrance facility. The rates set forth in Exhibit B of Attachment 2 to this Agreement will apply.
- 5.4 Demarcation Point. BellSouth will designate the point(s) of demarcation between <<CUSTOMER NAME>>'s equipment and/or network and BellSouth's network. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point. Consistent with Tennessee Regulatory Authority Orders, the demarcation point shall be a <<CUSTOMER NAME>> provided Point of Termination Bay (POT Bay) in a common area within the Premises. <<CUSTOMER NAME>> shall be responsible for providing, and a supplier certified by BellSouth ("<<CUSTOMER NAME>>'s Certified Supplier") shall be responsible for installing and properly labeling, the POT Bay as well as the necessary cabling between <<CUSTOMER NAME>>'s collocation space and the demarcation point. <<CUSTOMER NAME>> or its agent must perform all required maintenance to equipment/facilities on its side of the demarcation point, pursuant to Section 5.5, following, and may self-provision cross-connects that may be required within the Collocation Space to activate service requests.

- 5.4.1 BellSouth, in accordance with applicable FCC Rules, may not require the use of an intermediary interconnection device (e.g. POT Bay) as the demarcation point. Therefore, upon request from <<CUSTOMER NAME>>, BellSouth will negotiate rates, terms and conditions for establishing the demarcation point at either a BellSouth conventional distribution frame, DSX panel or LGX panel.
- 5.5 <<CUSTOMER NAME>>'s Equipment and Facilities. <<CUSTOMER NAME>>, or if required by this Attachment, <<CUSTOMER NAME>>'s Certified Supplier, is solely responsible for the design, engineering, installation, testing, provisioning, performance, monitoring, maintenance and repair of the equipment and facilities used by <<CUSTOMER NAME>> which must be performed in compliance with all applicable BellSouth policies and guidelines. Such equipment and facilities may include but are not limited to cable(s); equipment; and point of termination connections. <<CUSTOMER NAME>> and its selected Certified Supplier must follow and comply with all BellSouth requirements outlined in BellSouth's TR 73503, TR 73519, TR 73572, and TR 73564.
- 5.6 BellSouth's Access to Collocation Space. From time to time BellSouth may require access to the Collocation Space. BellSouth retains the right to access such space for the purpose of making BellSouth equipment and building modifications (e.g., running, altering or removing racking, ducts, electrical wiring, HVAC, and cables). BellSouth will give notice to <<CUSTOMER NAME>> at least 48 hours before access to the Collocation Space is required. <<CUSTOMER NAME>> may elect to be present whenever BellSouth performs work in the Collocation Space. The Parties agree that <<CUSTOMER NAME>> will not bear any of the expense associated with this work.
- 5.7 Access. Pursuant to Section 12, <<CUSTOMER NAME>> shall have access to the Collocation Space twenty-four (24) hours a day, seven (7) days a week. <<CUSTOMER NAME>> agrees to provide the name and social security number or date of birth or driver's license number of each employee, contractor, or agents of <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guests provided with access keys or devices ("Access Keys") prior to the issuance of said Access Keys. Key acknowledgement forms must be signed by <<CUSTOMER NAME>> and returned to BellSouth Access Management within 15 calendar days of <<CUSTOMER NAME>>'s receipt. Failure to return properly acknowledged forms will result in the holding of subsequent requests until acknowledgements are current. Access Keys shall not be duplicated under any circumstances. <<CUSTOMER NAME>> agrees to be responsible for all Access Keys and for the return of all said Access Keys in the possession of <<CUSTOMER NAME>> employees, contractors, Guests, or agents after termination of the employment relationship,

contractual obligation with <<CUSTOMER NAME>> or upon the termination of this Attachment or the termination of occupancy of an individual collocation arrangement.

- 5.7.1 BellSouth will permit one accompanied site visit to <<CUSTOMER NAME>>'s designated collocation arrangement location after receipt of the Bona Fide Firm Order without charge to <<CUSTOMER NAME>>. <<CUSTOMER NAME>> must submit to BellSouth the completed Access Control Request Form for all employees or agents requiring access to the BellSouth Premises a minimum of 30 calendar days prior to the date <<CUSTOMER NAME>> desires access to the Collocation Space. In order to permit reasonable access during construction of the Collocation Space, <<CUSTOMER NAME>> may submit such a request at any time subsequent to BellSouth's receipt of the Bona Fide Firm Order. In the event <<CUSTOMER NAME>> desires access to the Collocation Space after submitting such a request but prior to access being approved, in addition to the first accompanied free visit, BellSouth shall permit <<CUSTOMER NAME>> to access the Collocation Space accompanied by a security escort at <<CUSTOMER NAME>>'s expense. <<CUSTOMER NAME>> must request escorted access at least three (3) business days prior to the date such access is desired.
- 5.8 Lost or Stolen Access Keys. <<CUSTOMER NAME>> shall notify BellSouth in writing within 24 hours of becoming aware in the case of lost or stolen Access Keys. Should it become necessary for BellSouth to re-key buildings or deactivate a card as a result of a lost Access Key(s) or for failure to return an Access Key(s), <<CUSTOMER NAME>> shall pay for all reasonable costs associated with the re-keying or deactivating the card.
- 5.9 Interference or Impairment. Notwithstanding any other provisions of this Attachment, <<CUSTOMER NAME>> shall not use any product or service provided under this Attachment, any other service related thereto or used in combination therewith, or place or use any equipment or facilities in any manner that 1) significantly degrades, interferes with or impairs service provided by BellSouth or by any other entity or any person's use of its telecommunications service; 2) endangers or damages the equipment, facilities or other property of BellSouth or of any other entity or person; 3) compromises the privacy of any communications; or 4) creates an unreasonable risk of injury or death to any individual or to the public. If BellSouth reasonably determines that any equipment or facilities of <<CUSTOMER NAME>> violates the provisions of this paragraph, BellSouth shall give written notice to <<CUSTOMER NAME>>, which notice shall direct <<CUSTOMER NAME>> to cure the violation within forty-eight (48) hours of <<CUSTOMER NAME>>'s actual receipt of written notice or, at a minimum, to commence curative measures within 24 hours and to exercise reasonable diligence to complete such measures as soon as possible thereafter. After

receipt of the notice, the Parties agree to consult immediately and, if necessary, to inspect the arrangement.

- 5.9.1 Except in the case of the deployment of an advanced services which significantly degrades the performance of other advanced services or traditional voice band services, if <<CUSTOMER NAME>> fails to take curative action within 48 hours or if the violation is of a character which poses an immediate and substantial threat of damage to property, injury or death to any person, or any other significant degradation, interference or impairment of BellSouth's or another entity's service, then and only in that event BellSouth may take such action as it deems appropriate to correct the violation, including without limitation the interruption of electrical power to <<CUSTOMER NAME>>'s equipment. BellSouth will endeavor, but is not required, to provide notice to <<CUSTOMER NAME>> prior to taking such action and shall have no liability to <<CUSTOMER NAME>> for any damages arising from such action, except to the extent that such action by BellSouth constitutes willful misconduct.
- 5.9.2 For purposes of this Section, the term significantly degrade shall mean an action that noticeably impairs a service from a user's perspective. In the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services and <<CUSTOMER NAME>> fails to take curative action within 48 hours then BellSouth will establish before the relevant Commission that the technology deployment is causing the significant degradation. Any claims of network harm presented to <<CUSTOMER NAME>> or, if subsequently necessary, the relevant Commission, must be supported with specific and verifiable information. Where BellSouth demonstrates that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, <<CUSTOMER NAME>> shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services. Where the only degraded service itself is a known disturber, and the newly deployed technology satisfies at least one of the criteria for a presumption that is acceptable for deployment under section 47 C.F.R. 51.230, the degraded service shall not prevail against the newly-deployed technology.
- 5.10 Personalty and its Removal. Facilities and equipment placed by <<CUSTOMER NAME>> in the Collocation Space shall not become a part of the Collocation Space, even if nailed, screwed or otherwise fastened to the Collocation Space, but shall retain their status as personal property and may be removed by <<CUSTOMER NAME>> at any time. Any damage caused to the Collocation Space by <<CUSTOMER NAME>>'s employees, agents or representatives during the removal of such property shall be promptly repaired by <<CUSTOMER NAME>> at its expense.

5.11 Alterations. In no case shall <<CUSTOMER NAME>> or any person acting on behalf of <<CUSTOMER NAME>> make any rearrangement, modification, improvement, addition, or other alteration which could affect in any way space, power, HVAC, and/or safety considerations to the Collocation Space or the BellSouth Premises without the written consent of BellSouth, which consent shall not be unreasonably withheld. The cost of any such specialized alterations shall be paid by <<CUSTOMER NAME>>. Any such material rearrangement, modification, improvement, addition, or other alteration shall require a Subsequent Application and Subsequent Application Fee.

5.12 Janitorial Service. <<CUSTOMER NAME>> shall be responsible for the general upkeep of the Collocation Space. <<CUSTOMER NAME>> shall arrange directly with a BellSouth Certified Contractor for janitorial services applicable to Caged Collocation Space. BellSouth shall provide a list of such contractors on a site-specific basis upon request.

6. Ordering and Preparation of Collocation Space

6.1 Should any state or federal regulatory agency impose procedures or intervals applicable to <<CUSTOMER NAME>> that are different from procedures or intervals set forth in this section, whether now in effect or that become effective after execution of this Agreement, those procedures or intervals shall supersede the requirements set forth herein for that jurisdiction for all applications submitted for the first time after the effective date thereof.

6.2 Initial Application. For <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest(s) initial equipment placement, <<CUSTOMER NAME>> shall submit to BellSouth a Physical Expanded Interconnection Application Document ("Application"). The Application is Bona Fide when it is complete and accurate, meaning that all required fields on the application are completed with the appropriate type of information. A Planning Fee will apply.

6.3 Subsequent Application. In the event <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest(s) desires to modify the use of the Collocation Space, <<CUSTOMER NAME>> shall complete an Application detailing all information regarding the modification to the Collocation Space ("Subsequent Application"). BellSouth shall determine what modifications, if any, to the Premises are required to accommodate the change requested by <<CUSTOMER NAME>> in the Application. Such necessary modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, equipment additions, etc. Where the Subsequent Application does not require assessment for provisioning or construction work by

BellSouth, no Planning Fee will be required. The fee for an Application where the modification requires assessment on behalf of BellSouth shall be the Planning Fee. The Subsequent Application is Bona Fide when it is complete and accurate, meaning that all required fields on the Application are completed with the appropriate type of information.

6.4 Space Availability Notification.

6.4.1 Unless otherwise specified, BellSouth will respond to an application within ten (10) calendar days as to whether space is available or not available within a BellSouth Premises. BellSouth will also respond as to whether the Application is Bona Fide and if it is not Bona Fide the items necessary to cause the Application to become Bona Fide. This interval excludes National Holidays. If the amount of space requested is not available, BellSouth will notify <<CUSTOMER NAME>> of the amount of space that is available and no Application Fee shall apply. When BellSouth's response includes an amount of space less than that requested by <<CUSTOMER NAME>>, or differently configured, <<CUSTOMER NAME>> must resubmit its Application to reflect the actual space available.

6.4.2 Denial of Application. If BellSouth notifies <<CUSTOMER NAME>> that no space is available ("Denial of Application"), BellSouth will not assess an Application Fee. After notifying <<CUSTOMER NAME>> that BellSouth has no available space in the requested Premises, BellSouth will allow <<CUSTOMER NAME>>, upon request, to tour the entire Premises within ten (10) calendar days of such Denial of Application. In order to schedule said tour within ten (10) calendar days, the request for a tour of the Premises must be received by BellSouth within five (5) calendar days of the Denial of Application.

6.5 Filing of Petition for Waiver. Upon Denial of Application BellSouth will timely file a petition with the Commission pursuant to 47 U.S.C. § 251(c)(6). BellSouth shall provide to the Commission any information requested by that Commission. Such information shall include which space, if any, BellSouth or any of BellSouth's affiliates have reserved for future use and a detailed description of the specific future uses for which the space has been reserved. Subject to an appropriate nondisclosure Attachment or provision, BellSouth shall permit <<CUSTOMER NAME>> to inspect any floor plans or diagrams that BellSouth provides to the Commission.

6.6 Waiting List. On a first-come, first-served basis governed by the date of receipt of an Application or Letter of Intent, BellSouth will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. BellSouth will notify the telecommunications carriers on the waiting list that can be accommodated by the amount of space

- that becomes available according to the position of the telecommunications carriers on said waiting list.
- 6.6.1 When space becomes available, <<CUSTOMER NAME>> must submit an updated, complete, and correct Application to BellSouth within 30 calendar days of such notification. If <<CUSTOMER NAME>> has originally requested caged collocation space and cageless collocation space becomes available, <<CUSTOMER NAME>> may refuse such space and notify BellSouth in writing within that time that <<CUSTOMER NAME>> wants to maintain its place on the waiting list without accepting such space. <<CUSTOMER NAME>> may accept an amount of space less than its original request by submitting an Application as set forth above, and upon request, may maintain its position on the waiting list for the remaining space that was initially requested. If <<CUSTOMER NAME>> does not submit such an Application or notify BellSouth in writing as described above, BellSouth will offer such space to the next CLEC on the waiting list and remove <<CUSTOMER NAME>> from the waiting list. Upon request, BellSouth will advise <<CUSTOMER NAME>> as to its position on the list.
- 6.7 Public Notification. BellSouth will maintain on its Interconnection Services website a notification document that will indicate all Central Offices that are without available space. BellSouth shall update such document within ten (10) calendar days of Space being exhausted. BellSouth will also post a document on its Interconnection Services website that contains a general notice where space has become available in a Central Office previously on the space exhaust list.
- 6.8 Application Response.
- 6.8.1 BellSouth will provide a written response ("Application Response") within thirty (30) calendar days of receipt of a Bona Fide Application. When multiple applications are submitted within a fifteen (15) calendar day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) calendar days for Bona Fide Applications one (1) to five (5); within thirty-six (36) calendar days for Bona Fide Applications six (6) to ten (10); within forty-two (42) calendar days for Bona Fide Applications eleven (11) to fifteen (15). Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of fifteen (15) must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation.
- 6.9 Application Modifications.
- 6.9.1 If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation, with the exception of modifications to

Customer Information, Contact Information or Billing Contact Information, either at the request of <<CUSTOMER NAME>> or necessitated by technical considerations, said Application shall be considered a new Application and shall be handled as a new Application for purposes of the provisioning interval and BellSouth shall charge <<CUSTOMER NAME>> a Planning Fee.

6.10 Bona Fide Firm Order.

6.10.1 <<CUSTOMER NAME>> shall indicate its intent to proceed with equipment installation in a BellSouth Premises by submitting a Firm Order to BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) calendar days after BellSouth's Application Response to <<CUSTOMER NAME>>'s Bona Fide Application or the Application will expire.

6.10.2 BellSouth will establish a firm order date based upon the date BellSouth is in receipt of a Bona Fide Firm Order. BellSouth will acknowledge the receipt of <<CUSTOMER NAME>>'s Bona Fide Firm Order within seven (7) calendar days of receipt indicating that the Bona Fide Firm Order has been received. A BellSouth response to a Bona Fide Firm Order will include a Firm Order Confirmation containing the firm order date. No revisions will be made to a Bona Fide Firm Order.

7. Construction and Provisioning

7.1 In Tennessee, BellSouth will complete construction for caged collocation arrangements within ninety calendar (90) days from the receipt of a Bona Fide Firm Order. For cageless collocation arrangements, BellSouth will provision collocation arrangements within thirty (30) calendar days from receipt of a Bona Fide Firm Order when conditioned space is available and <<CUSTOMER NAME>> installs its own racks/bays. In no event will the provisioning interval for cageless collocation exceed ninety (90) calendar days from the receipt of a Bona Fide Firm Order.

7.2 Joint Planning. Joint planning between BellSouth and <<CUSTOMER NAME>> will commence within a maximum of twenty (20) calendar days from BellSouth's receipt of a Bona Fide Firm Order. BellSouth will provide the preliminary design of the Collocation Space and the equipment configuration requirements as reflected in the Bona Fide Application and affirmed in the Bona Fide Firm Order. The Collocation Space completion time period will be provided to <<CUSTOMER NAME>> during joint planning.

7.3 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications.

- 7.4 Acceptance Walk Through. <<CUSTOMER NAME>> will schedule and complete an acceptance walkthrough of each Collocation Space with BellSouth within fifteen (15) days of BellSouth's notifying <<CUSTOMER NAME>> that the collocation space is ready for occupancy. In the event that <<CUSTOMER NAME>> fails to complete an acceptance walkthrough within this fifteen (15) day interval, the Collocation Space shall be deemed accepted by <<CUSTOMER NAME>>. BellSouth will correct any deviations to <<CUSTOMER NAME>>'s original or jointly amended requirements within seven (7) calendar days after the walk through, unless the Parties jointly agree upon a different time frame.
- 7.5 Use of BellSouth Certified Supplier. <<CUSTOMER NAME>> shall select a supplier which has been approved as a BellSouth Certified Supplier to perform all engineering and installation work. <<CUSTOMER NAME>> and <<CUSTOMER NAME>>'s BellSouth Certified Supplier must follow and comply with all BellSouth requirements outlined in BellSouth's TR 73503, TR 73519, TR 73572, and TR 73564. In some cases, <<CUSTOMER NAME>> must select separate BellSouth Certified Suppliers for transmission equipment, switching equipment and power equipment. BellSouth shall provide <<CUSTOMER NAME>> with a list of BellSouth Certified Suppliers upon request. The BellSouth Certified Supplier(s) shall be responsible for installing <<CUSTOMER NAME>>'s equipment and components, extending power cabling to the BellSouth power distribution frame, performing operational tests after installation is complete, and notifying BellSouth's equipment engineers and <<CUSTOMER NAME>> upon successful completion of installation, etc. The BellSouth Certified Supplier shall bill <<CUSTOMER NAME>> directly for all work performed for <<CUSTOMER NAME>> pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Supplier. BellSouth shall consider certifying <<CUSTOMER NAME>> or any supplier proposed by <<CUSTOMER NAME>>. All work performed by or for <<CUSTOMER NAME>> shall conform to generally accepted industry guidelines and standards.
- 7.6 Alarm and Monitoring. BellSouth shall place environmental alarms in the Premises for the protection of BellSouth equipment and facilities. <<CUSTOMER NAME>> shall be responsible for placement, monitoring and removal of environmental and equipment alarms used to service <<CUSTOMER NAME>>'s Collocation Space. Upon request, BellSouth will provide <<CUSTOMER NAME>> with applicable tariffed service(s) to facilitate remote monitoring of collocated equipment by <<CUSTOMER NAME>>. Both Parties shall use best efforts to notify the other of any verified environmental condition known to that Party.
- 7.7 Virtual to Physical Collocation Relocation. In the event physical collocation space was previously denied at a location due to technical reasons or space

- limitations, and physical collocation space has subsequently become available, <<CUSTOMER NAME>> may relocate its virtual collocation arrangements to physical collocation arrangements and pay the appropriate fees for physical collocation and for the rearrangement or reconfiguration of services terminated in the virtual collocation arrangement, as outlined in the appropriate BellSouth tariffs. In the event that BellSouth knows when additional space for physical collocation may become available at the location requested by <<CUSTOMER NAME>>, such information will be provided to <<CUSTOMER NAME>> in BellSouth's written denial of physical collocation. To the extent that (i) physical Collocation Space becomes available to <<CUSTOMER NAME>> within 180 calendar days of BellSouth's written denial of <<CUSTOMER NAME>>'s request for physical collocation, (ii) BellSouth had knowledge that the space was going to become available, and (iii) <<CUSTOMER NAME>> was not informed in the written denial that physical Collocation Space would become available within such 180 calendar days, then <<CUSTOMER NAME>> may relocate its virtual collocation arrangement to a physical collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual collocation. <<CUSTOMER NAME>> must arrange with a BellSouth Certified Supplier for the relocation of equipment from its virtual Collocation Space to its physical Collocation Space and will bear the cost of such relocation.
- 7.7.1 Notwithstanding the foregoing, BellSouth will authorize the conversion of a virtual collocation arrangement to a physical collocation arrangement in place when 1) there is no change in the amount of equipment or the configuration of the equipment that is in the virtual collocation arrangement; 2) the conversion of the virtual collocation arrangement will not cause the equipment or the results of the conversion to be located in space that BellSouth has reserved for its own future needs; 3) the converted arrangement does not limit BellSouth's ability to secure its own equipment and facilities due to the location of the virtual collocation arrangement, and; 4) any changes to the arrangement can be accommodated by existing power, HVAC, and other requirements.
- 7.7.1.1 If the above conditions are met, then BellSouth shall complete the conversion within thirty (30) calendar days and charge <<CUSTOMER NAME>> an interim application fee not to exceed \$1000.
- 7.8 Cancellation. If, at anytime prior to space acceptance, <<CUSTOMER NAME>> cancels its order for the Collocation Space(s) ("Cancellation"), BellSouth will bill the applicable non-recurring rate for any and all work processes for which work has begun.
- 7.9 Licenses. <<CUSTOMER NAME>>, at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses

necessary or required to operate as a provider of telecommunications services to the public or to occupy the Collocation Space.

- 7.10 Environmental Compliance. The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified as Exhibit A attached hereto.

8. Rates and Charges

- 8.1 BellSouth shall assess a Planning Fee via a service order which shall be issued at the time BellSouth responds that space is available pursuant to section 2.1. Payment of said Planning Fee will be due as dictated by <<CUSTOMER NAME>>'s current billing cycle and is non-refundable.
- 8.2 Recurring Charges. The recurring charges for space preparation begin on the Space Ready Date or the day <<CUSTOMER NAME>> occupies the collocation space, whichever occurs first.
- 8.3 Cross Connect Rates – Cross connect rates shall be as set forth in Exhibit B of Attachment 2 to this Agreement.
- 8.4 Power. BellSouth shall make available –48 Volt (-48V) DC power for <<CUSTOMER NAME>>'s Collocation Space.
- 8.4.1 Recurring charges for -48V DC power consumption will be assessed per ampere per month based upon the engineered and installed power feed fused ampere capacity. Rates include redundant feeder fuse positions (A&B) and common cable rack to <<CUSTOMER NAME>>'s equipment or space enclosure. <<CUSTOMER NAME>> shall contract with a Certified Supplier who will be responsible for the following: dedicated power cable support structure within <<CUSTOMER NAME>>'s arrangement and terminations of cable within the collocation space.
- 8.4.2 Non recurring charges for –48V DC power distribution will be based on the common power feeder cable support structure between the BellSouth BDFB and <<CUSTOMER NAME>>'s arrangement area.
- 8.5 Other. If no rate is identified in Exhibit B of Attachment 2 to this Agreement, the rate for the specific service or function will be negotiated by the Parties upon request by either Party. Payment of all other charges under this Attachment shall be due thirty (30) calendar days after receipt of the bill (payment due date). <<CUSTOMER NAME>> will pay a late payment charge of the lessor of one and one half percent or the legal interest rate assessed monthly on any balance which remains unpaid after the payment due date.

9. Insurance

- 9.1 <<CUSTOMER NAME>> shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section 9 and underwritten by insurance companies licensed to do business in the states applicable under this Attachment and having a Best's Insurance Rating of A-.
- 9.2 <<CUSTOMER NAME>> shall maintain the following specific coverage:
- 9.2.1 Commercial General Liability coverage in the amount of ten million dollars (\$10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars (\$10,000,000.00). BellSouth shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.
- 9.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars (\$100,000.00) each accident, one hundred thousand dollars (\$100,000.00) each employee by disease, and five hundred thousand dollars (\$500,000.00) policy limit by disease.
- 9.2.3 All Risk Property coverage on a full replacement cost basis insuring all of <<CUSTOMER NAME>>'s real and personal property situated on or within BellSouth's Central Office location(s).
- 9.2.4 <<CUSTOMER NAME>> may elect to purchase business interruption and contingent business interruption insurance, having been advised that BellSouth assumes no liability for loss of profit or revenues should an interruption of service occur.
- 9.3 The limits set forth in Section 9.2 above may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days notice to <<CUSTOMER NAME>> to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- 9.4 All policies purchased by <<CUSTOMER NAME>> shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by BellSouth. All insurance must be in effect on or before the date equipment is delivered to BellSouth's Premises and shall remain in effect for the term of this Attachment or until all <<CUSTOMER NAME>>'s property has been removed from BellSouth's Premises, whichever period is longer. If <<CUSTOMER NAME>> fails to maintain required coverage, BellSouth may pay the premiums thereon and seek reimbursement of same from <<CUSTOMER NAME>>.
- 9.5 <<CUSTOMER NAME>> shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Collocation Space.

Failure to meet this interval may result in construction and equipment installation delays. <<CUSTOMER NAME>> shall arrange for BellSouth to receive thirty (30) business days' advance notice of cancellation from <<CUSTOMER NAME>>'s insurance company. <<CUSTOMER NAME>> shall forward a certificate of insurance and notice of cancellation/non-renewal to BellSouth at the following address:

BellSouth Telecommunications, Inc.
Attn.: Risk Management Coordinator
17H53 BellSouth Center
675 W. Peachtree Street
Atlanta, Georgia 30375

- 9.6 <<CUSTOMER NAME>> must conform to recommendations made by BellSouth's fire insurance company to the extent BellSouth has agreed to, or shall hereafter agree to, such recommendations.
- 9.7 Self-Insurance. If <<CUSTOMER NAME>>'s net worth exceeds five hundred million dollars (\$500,000,000), <<CUSTOMER NAME>> may elect to request self-insurance status in lieu of obtaining any of the insurance required in Sections 9.2.1 and 9.2.2. <<CUSTOMER NAME>> shall provide audited financial statements to BellSouth thirty (30) days prior to the commencement of any work in the Collocation Space. BellSouth shall then review such audited financial statements and respond in writing to <<CUSTOMER NAME>> in the event that self-insurance status is not granted to <<CUSTOMER NAME>>. If BellSouth approves <<CUSTOMER NAME>> for self-insurance, <<CUSTOMER NAME>> shall annually furnish to BellSouth, and keep current, evidence of such net worth that is attested to by one of <<CUSTOMER NAME>>'s corporate officers. The ability to self-insure shall continue so long as the <<CUSTOMER NAME>> meets all of the requirements of this Section. If the <<CUSTOMER NAME>> subsequently no longer satisfies this Section, <<CUSTOMER NAME>> is required to purchase insurance as indicated by Sections 9.2.1 and 9.2.2.
- 9.8 The net worth requirements set forth in Section 9.7 may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days' notice to <<CUSTOMER NAME>> to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- 9.9 Failure to comply with the provisions of this Section will be deemed a material breach of this Attachment.

10. Mechanics Liens

- 10.1 If any mechanics lien or other liens shall be filed against property of either Party (BellSouth or <<CUSTOMER NAME>>), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

11. Inspections

- 11.1 BellSouth may conduct an inspection of <<CUSTOMER NAME>>'s equipment and facilities in the Collocation Space(s) prior to the activation of facilities between <<CUSTOMER NAME>>'s equipment and equipment of BellSouth. BellSouth may conduct an inspection if <<CUSTOMER NAME>> adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. BellSouth shall provide <<CUSTOMER NAME>> with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by BellSouth.

12. Security and Safety Requirements

- 12.1 Consistent with TRA's decision in Docket No. 00-00079, Interconnection Agreement Negotiations Between AT&T Communications of the South Central States, Inc., TCG MidSouth, Inc. and BellSouth Telecommunications, Inc. pursuant to 47 U.S.C. § 252, <<CUSTOMER NAME>> will be required, at its own expense, to conduct a statewide investigation of criminal history records for each <<CUSTOMER NAME>> employee being considered for work on the BellSouth Premises, for the states/counties where the <<CUSTOMER NAME>> employee has worked and lived for the past five years. Where state law does not permit statewide collection or reporting, an investigation of the applicable counties is acceptable. <<CUSTOMER NAME>> shall not be required to perform this investigation if an affiliated company of <<CUSTOMER NAME>> has performed an investigation of the <<CUSTOMER NAME>> employee seeking access, if such investigation meets the criteria set forth above. This requirement will not apply if

<<CUSTOMER NAME>> has performed a pre-employment statewide investigation of criminal history records of the <<CUSTOMER NAME>> employee for the states/counties where the <<CUSTOMER NAME>> employee has worked and lived for the past five years or, where state law does not permit a statewide investigation, an investigation of the applicable counties.

- 12.2 <<CUSTOMER NAME>> shall provide its employees and agents with picture identification which must be worn and visible at all times while in the Collocation Space or other areas in or around the Premises. The photo Identification card shall bear, at a minimum, the employee's name and photo, and the <<CUSTOMER NAME>> name. BellSouth reserves the right to remove from its premises any employee of <<CUSTOMER NAME>> not possessing identification issued by <<CUSTOMER NAME>> or who have violated any of BellSouth's policies as outlined in the CLEC Security Training documents. <<CUSTOMER NAME>> shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises. <<CUSTOMER NAME>> shall be solely responsible for ensuring that any Guest of <<CUSTOMER NAME>> is in compliance with all subsections of this Section 12.
- 12.3 <<CUSTOMER NAME>> will be required to administer to their personnel assigned to the BellSouth Premises security training either provided by BellSouth, or meeting criteria defined by BellSouth.
- 12.4 <<CUSTOMER NAME>> shall not assign to the BellSouth Premises any personnel with records of felony criminal convictions. <<CUSTOMER NAME>> shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions, except for misdemeanor traffic violations, without advising BellSouth of the nature and gravity of the offense(s). BellSouth reserves the right to refuse building access to any <<CUSTOMER NAME>> personnel who have been identified to have misdemeanor criminal convictions. Notwithstanding the foregoing, in the event that <<CUSTOMER NAME>> chooses not to advise BellSouth of the nature and gravity of any misdemeanor conviction, <<CUSTOMER NAME>> may, in the alternative, certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions (other than misdemeanor traffic violations).
- 12.4.1 <<CUSTOMER NAME>> shall not knowingly assign to the BellSouth Premises any individual who was a former employee of BellSouth and whose employment with BellSouth was terminated for a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.
- 12.4.2 <<CUSTOMER NAME>> shall not knowingly assign to the BellSouth Premises any individual who was a former contractor of BellSouth and whose access to a BellSouth Premises was revoked due to commission of a criminal

offense whether or not BellSouth sought prosecution of the individual for the criminal offense.

- 12.5 For each <<CUSTOMER NAME>> employee requiring access to a BellSouth Premises pursuant to this Attachment, <<CUSTOMER NAME>> shall furnish BellSouth, prior to an employee gaining such access, a certification that the aforementioned background check and security training were completed. The certification will contain a statement that no felony convictions were found and certifying that the security training was completed by the employee. If the employee's criminal history includes misdemeanor convictions, <<CUSTOMER NAME>> will disclose the nature of the convictions to BellSouth at that time. In the alternative, <<CUSTOMER NAME>> may certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions other than misdemeanor traffic violations.
- 12.6 At BellSouth's request, <<CUSTOMER NAME>> shall promptly remove from BellSouth's Premises any employee of <<CUSTOMER NAME>> BellSouth does not wish to grant access to its premises 1) pursuant to any investigation conducted by BellSouth or 2) prior to the initiation of an investigation if an employee of <<CUSTOMER NAME>> is found interfering with the property or personnel of BellSouth or another CLEC, provided that an investigation shall promptly be commenced by BellSouth.
- 12.7 Notification to BellSouth. BellSouth reserves the right to interview <<CUSTOMER NAME>>'s employees, agents, or contractors in the event of wrongdoing in or around BellSouth's property or involving BellSouth's or another CLEC's property or personnel, provided that BellSouth shall provide reasonable notice to <<CUSTOMER NAME>>'s Security contact of such interview. <<CUSTOMER NAME>> and its contractors shall reasonably cooperate with BellSouth's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving <<CUSTOMER NAME>>'s employees, agents, or contractors. Additionally, BellSouth reserves the right to bill <<CUSTOMER NAME>> for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is established and mutually agreed in good faith that <<CUSTOMER NAME>>'s employees, agents, or contractors are responsible for the alleged act. BellSouth shall bill <<CUSTOMER NAME>> for BellSouth property which is stolen or damaged where an investigation determines the culpability of <<CUSTOMER NAME>>'s employees, agents, or contractors and where <<CUSTOMER NAME>> agrees, in good faith, with the results of such investigation. <<CUSTOMER NAME>> shall notify BellSouth in writing immediately in the event that the CLEC discovers one of its employees already working on the BellSouth premises is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from

BellSouth Premises, any employee found to have violated the security and safety requirements of this section. <<CUSTOMER NAME>> shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises.

- 12.8 Use of Supplies. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.
- 12.9 Use of Official Lines. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the BellSouth Premises. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs.
- 12.10 Accountability. Full compliance with the Security requirements of this section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

13. Destruction of Collocation Space

- 13.1 In the event a Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for <<CUSTOMER NAME>>'s permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate occupancy of the damaged Collocation Space, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof. If the Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for <<CUSTOMER NAME>>'s permitted use, or is damaged and the option to terminate is not exercised by either Party, BellSouth covenants and agrees to proceed promptly without expense to <<CUSTOMER NAME>>, except for improvements not the property of BellSouth, to repair the damage. BellSouth shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government regulations, strikes, walkouts, and causes beyond the control of BellSouth, which causes shall not be construed as limiting factors, but as exemplary only. <<CUSTOMER NAME>> may, at its own expense, accelerate the rebuild of its collocated space and equipment provided however that a BellSouth Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a BellSouth Certified Vendor. If <<CUSTOMER NAME>>'s acceleration of the project increases the cost of the project, then those additional charges will be incurred by <<CUSTOMER

NAME>>. Where allowed and where practical, <<CUSTOMER NAME>> may erect a temporary facility while BellSouth rebuilds or makes repairs. In all cases where the Collocation Space shall be rebuilt or repaired, <<CUSTOMER NAME>> shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Collocation Space for <<CUSTOMER NAME>>'s permitted use, until such Collocation Space is fully repaired and restored and <<CUSTOMER NAME>>'s equipment installed therein (but in no event later than thirty (30) business days after the Collocation Space is fully repaired and restored). Where <<CUSTOMER NAME>> has placed an Adjacent Arrangement pursuant to Section 3.5, <<CUSTOMER NAME>> shall have the sole responsibility to repair or replace said Adjacent Arrangement provided herein. Pursuant to this section, BellSouth will restore the associated services to the Adjacent Arrangement.

14. Eminent Domain

- 14.1 If the whole of a Collocation Space or Adjacent Arrangement shall be taken by any public authority under the power of eminent domain, then this Attachment shall terminate with respect to such Collocation Space or Adjacent Arrangement as of the day possession shall be taken by such public authority and rent and other charges for the Collocation Space or Adjacent Arrangement shall be paid up to that day with proportionate refund by BellSouth of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Collocation Space or Adjacent Arrangement shall be taken under eminent domain, BellSouth and <<CUSTOMER NAME>> shall each have the right to terminate this Attachment with respect to such Collocation Space or Adjacent Arrangement and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

15. Nonexclusivity

- 15.1 <<CUSTOMER NAME>> understands that this Attachment is not exclusive and that BellSouth may enter into similar Attachments with other Parties. Assignment of space pursuant to all such Attachments shall be determined by space availability and made on a first come, first served basis.

16. Notices

- 16.1 Except as otherwise provided herein, any notices or demands that are required by law or under the terms of this Attachment shall be given or made by <<CUSTOMER NAME>> or BellSouth in writing and shall be given by hand delivery, or by certified or registered mail, and addressed to the parties as follows:

To BellSouth:
 600 N. 19th Street
 9th Floor
 Birmingham, AL 35240
 ATTN: CLEC Account Team

To <<CUSTOMER NAME>>:

 ATTN: _____

- 16.2 Such notices shall be deemed to have been given in the case of certified or registered mail when deposited in the United States mail with postage prepaid.

17. Indemnity/Limitations of Liability

- 17.1 <<CUSTOMER NAME>> shall be liable for any damage to property, equipment or facilities or injury to person caused by the activities of <<CUSTOMER NAME>>, its agents or employees pursuant to, or in furtherance of, rights granted under this Attachment. <<CUSTOMER NAME>> shall indemnify and hold BellSouth harmless from and against any judgments, fees, costs or other expenses resulting or claimed to result from such activities by <<CUSTOMER NAME>>, its agents or employees.
- 17.2 BellSouth shall not be liable to <<CUSTOMER NAME>> for any interruption of <<CUSTOMER NAME>>'s service or for interference with the operation of <<CUSTOMER NAME>>'s communications facilities, or for any special, indirect, incidental or consequential damages arising in any manner, including BellSouth's negligence, out of the use of the Collocation Space(s) and <<CUSTOMER NAME>> shall indemnify, defend and hold BellSouth harmless from and against any and all claims, demands, causes of action, costs and reasonable attorneys' fees with respect to such special, indirect, incidental or consequential damages.

18. Publicity

- 18.1 <<CUSTOMER NAME>> agrees to submit to BellSouth all advertising, sales promotion, press releases, and other publicity matters relating to this Attachment or mentioning or implying the tradenames, logos, trademarks or service marks (hereinafter "Marks") of BellSouth Corporation and/or any of its affiliated companies or language from which the connection of said Marks therewith may be inferred or implied, or mentioning or implying the names of any personnel of BellSouth Corporation and/or any of its affiliated companies, and <<CUSTOMER NAME>> further agrees not to publish or use such advertising, sales promotions, press releases, or publicity matters without BellSouth's prior written consent.

19. Force Majeure

- 19.1 Neither party shall be in default by reason of any failure in performance of this Attachment, in accordance with its terms and conditions, if such failure arises out of causes beyond the control of the nonperforming party including, but not restricted to, acts of God, acts of government, insurrections, fires, floods, accidents, epidemics, quarantines, restrictions, strikes, freight embargoes, inability to secure raw materials or transportation facilities, acts or omissions of carriers or any and all other causes beyond the party's control.

20. Assignment

- 20.1 <<CUSTOMER NAME>> acknowledges that this Attachment does not convey any right, title or interest in the Central Office to <<CUSTOMER NAME>>. This Attachment is not assignable by either party without the prior written consent of the other party, and any attempt to assign any of the rights, duties or obligations of this Attachment without such consent is void. Notwithstanding the foregoing, either party may assign any rights, duties or obligations of this Attachment to a parent, subsidiary or affiliate without the consent of the other party.

21. No Implied Waiver

- 21.1 No consent or waiver by either party to or of any breach of any covenant, term, condition, provision or duty of the other party under this Attachment shall be construed as a consent to or waiver of any other breach of the same or any other covenant, term, condition, provision or duty. No such consent or waiver shall be valid unless in writing and signed by the party granting such consent or waiver.

22. Governing Law

- 22.1 This Attachment shall be governed by, and construed and enforced in accordance with, the laws of the State of Tennessee, without regard to its conflict of laws principles.

23. Compliance with Laws

- 23.1 The Parties agree to comply with all applicable federal, state, and local laws, rules and regulations in the performance of this Attachment.

24. Resolution of Disputes

- 24.1 Except as otherwise stated in this Attachment, the Parties agree that if any dispute arises as to the interpretation of any provision of this Attachment or as to the proper implementation of this Attachment, the parties will petition the Commission in the state where the services are provided pursuant to this Attachment for a resolution of the dispute. However, each party reserves any rights it may have to seek judicial review of any ruling made by the Public Service Commission concerning this Attachment.

25. Section Headings

- 25.1 The section headings used herein are for convenience only, and shall not be deemed to constitute integral provisions of this Attachment.

26. Authority

- 26.1 Each of the parties hereto warrants to the other that the person or persons executing this Attachment on behalf of such party has the full right, power and authority to enter into and execute this Attachment on such party's behalf and that no consent from any other person or entity is required as a condition precedent to the legal effect of this Attachment.

27. Review of Attachment

- 27.1 The parties acknowledge that each has had an opportunity to review and negotiate this Attachment and has executed this Attachment only after such review and negotiation. The Parties further agree that this Attachment shall be deemed to have been drafted by both BellSouth and <<CUSTOMER NAME>> and the terms and conditions contained herein shall not be construed any more strictly against one party or the other.

28. Filing of Attachment

- 28.1 Upon execution of this Attachment it shall be filed with the appropriate state regulatory agency pursuant to the requirements of section 252 of the Act. If the regulatory agency imposes any filing or public interest notice fees regarding the filing or approval of the Attachment, said costs shall be borne by <<CUSTOMER NAME>>.

29. Entire Attachment

- 29.1 This Attachment contains the full understanding of the Parties (superseding all prior or contemporaneous correspondence between the Parties) and shall constitute the entire Attachment between BellSouth and <<CUSTOMER NAME>> and may not be modified or amended other than by a written

instrument signed by both parties. If any conflict arises between the terms and conditions contained in Attachment and those contained in a filed tariff, the terms and conditions of this Attachment shall control.

IN WITNESS WHEREOF, the Parties have executed this Attachment by their duly authorized representatives in one or more counterparts, each of which shall constitute an original, on the day and year first above written.

BELLSOUTH TELECOMMUNICATIONS, (<<CUSTOMER NAME>>'s Full
Company Name)
INC.

Authorized Signature

Authorized Signature

Print or Type Name

Print or Type Name

Title

Title

Date

Date

Exhibit A

ENVIRONMENTAL AND SAFETY PRINCIPLES

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

1. GENERAL PRINCIPLES

- 1.1 Compliance with Applicable Law. BellSouth and <<CUSTOMER NAME>> agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Attachment.
- 1.2 Notice. BellSouth and <<CUSTOMER NAME>> shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. <<CUSTOMER NAME>> should contact 1-800-743-6737 for BellSouth MSDS sheets.
- 1.3 Practices/Procedures. BellSouth may make available additional environmental control procedures for <<CUSTOMER NAME>> to follow when working at a BellSouth Premises (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of BellSouth for environmental protection. <<CUSTOMER NAME>> will require its contractors, agents and others accessing the BellSouth Premises to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by CLEC when operating in the BellSouth Premises.
- 1.4 Environmental and Safety Inspections. BellSouth reserves the right to inspect the <<CUSTOMER NAME>> space with proper notification. BellSouth reserves the right to stop any <<CUSTOMER NAME>> work operation that imposes Imminent Danger to the environment, employees or other persons in the area or Facility.

- 1.5 Hazardous Materials Brought On Site. Any hazardous materials brought into, used, stored or abandoned at the BellSouth Premises by <<CUSTOMER NAME>> are owned by <<CUSTOMER NAME>>. <<CUSTOMER NAME>> will indemnify BellSouth for claims, lawsuits or damages to persons or property caused by these materials. Without prior written BellSouth approval, no substantial new safety or environmental hazards can be created by <<CUSTOMER NAME>> or different hazardous materials used by <<CUSTOMER NAME>> at BellSouth Facility. <<CUSTOMER NAME>> must demonstrate adequate emergency response capabilities for its materials used or remaining at the BellSouth Facility.
- 1.6 Spills and Releases. When contamination is discovered at a BellSouth Premises, the Party discovering the condition must notify BellSouth. All Spills or Releases of regulated materials will immediately be reported by <<CUSTOMER NAME>> to BellSouth.
- 1.7 Coordinated Environmental Plans and Permits. BellSouth and <<CUSTOMER NAME>> will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, BellSouth and <<CUSTOMER NAME>> will develop a cost sharing procedure. If BellSouth's permit or EPA identification number must be used, <<CUSTOMER NAME>> must comply with all of BellSouth's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.
- 1.8 Environmental and Safety Indemnification. BellSouth and <<CUSTOMER NAME>> shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on BellSouth's Premises, <<CUSTOMER NAME>> agrees to comply with the applicable sections of the current issue of BellSouth's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. <<CUSTOMER NAME>> further agrees to cooperate with BellSouth to ensure that <<CUSTOMER NAME>>'s

employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of BellSouth's Environmental M&Ps which apply to the specific Environmental function being performed by <<CUSTOMER NAME>>, its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from BellSouth.

ENVIRONMENTAL CATEGORIES	ENVIRONMENTAL ISSUES	ADDRESSED BY THE FOLLOWING DOCUMENTATION
Disposal of hazardous material or other regulated material (e.g., batteries, fluorescent tubes, solvents & cleaning materials)	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	Std T&C 450 Fact Sheet Series 17000 Std T&C 660-3 Approved Environmental Vendor List (Contact E/S Management)
Emergency response	Hazmat/waste release/spill firesafety emergency	Fact Sheet Series 1700 Building Emergency Operations Plan (EOP) (specific to and located on Premises)
Contract labor/outsourcing for services with environmental implications to be performed on BellSouth Premises (e.g., disposition of hazardous material/waste; maintenance of storage tanks)	Compliance with all applicable local, state, & federal laws and regulations Performance of services in accordance with BST's environmental M&Ps Insurance	Std T&C 450 Std T&C 450-B (Contact E/S for copy of appropriate E/S M&Ps.) Std T&C 660
Transportation of hazardous material	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance	Std T&C 450 Fact Sheet Series 17000 Std T&C 660-3 Approved Environmental Vendor List (Contact E/S

	EVET approval of contractor	Management)
Maintenance/operations work which may produce a waste	Compliance with all application local, state, & federal laws and regulations	Std T&C 450
Other maintenance work	Protection of BST employees and equipment	29CFR 1910.147 (OSHA Standard) 29CFR 1910 Subpart O (OSHA Standard)
Janitorial services	All waste removal and disposal must conform to all applicable federal, state and local regulations All Hazardous Material and Waste Asbestos notification and protection of employees and equipment	P&SM Manager - Procurement Fact Sheet Series 17000 GU-BTEN-001BT, Chapter 3 BSP 010-170-001BS (Hazcom)
Manhole cleaning	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	Std T&C 450 Fact Sheet 14050 BSP 620-145-011PR Issue A, August 1996 Std T&C 660-3 Approved Environmental Vendor List (Contact E/S Management)
Removing or disturbing building materials that may contain asbestos	Asbestos work practices	GU-BTEN-001BT, Chapter 3

3. DEFINITIONS

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health

hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

Imminent Danger. Any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

4. ACRONYMS

E/S – Environmental/Safety

EVET - Environmental Vendor Evaluation Team

DEC/LDEC - Department Environmental Coordinator/Local Department Environmental Coordinator

GU-BTEN-001BT - BellSouth Environmental Methods and Procedures

NESC - National Electrical Safety Codes

P&SM - Property & Services Management

Std. T&C - Standard Terms & Conditions

Attachment 4 – RS
Remote Site Collocation

1. Scope of Attachment

- 1.1 Scope of Attachment. The terms and conditions contained within this Attachment and the rates included in Exhibit B of Attachment 2, incorporated herein by this reference, to this Agreement shall only apply when <<CUSTOMER NAME>> is occupying the Remote Collocation Space as a sole occupant or as a Host within a Remote Site Location.
- 1.2 Right to occupy. BellSouth shall offer to <<CUSTOMER NAME>> Remote Site Collocation on rates, terms, and conditions that are just, reasonable, non-discriminatory and consistent with the rules of the Federal Communications Commission ("FCC"). Subject to the terms and conditions of this Attachment, and the rates contained in Exhibit B of Attachment 2 to this Agreement, BellSouth hereby grants to <<CUSTOMER NAME>> a right to occupy that certain area designated by BellSouth within a BellSouth Remote Site Location, of a size which is specified by <<CUSTOMER NAME>> and agreed to by BellSouth (hereinafter "Remote Collocation Space"). BellSouth Remote Site Locations include cabinets, huts, and controlled environmental vaults owned or leased by BellSouth that house BellSouth Network Facilities. To the extent this Attachment and Exhibit B of Attachment 2 to this Agreement do not include all the necessary rates terms and conditions for BellSouth remote locations other than cabinets, huts and controlled environmental vaults, the Parties will negotiate said rates, terms, and conditions at the request for collocation at BellSouth remote locations other than those specified above.
- 1.2.1 The number of racks/bays specified by <<CUSTOMER NAME>> may contemplate a request for space sufficient to accommodate <<CUSTOMER NAME>>'s growth within a two-year period.
- 1.2.2 Neither BellSouth nor any of BellSouth's affiliates may reserve space for future use on more preferential terms than those set forth above.
- 1.3 Third Party Property. If the Premises, or the property on which it is located, is leased by BellSouth from a Third Party or otherwise controlled by a Third Party, special considerations and intervals may apply in addition to the terms and conditions of this Attachment. Additionally, where BellSouth notifies <<CUSTOMER NAME>> that BellSouth's Attachment with a Third Party does not grant BellSouth the ability to provide access and use rights to others, upon <<CUSTOMER NAME>>'s request, BellSouth will use its best efforts to obtain the owner's consent and to otherwise secure such rights for <<CUSTOMER NAME>>. <<CUSTOMER NAME>> agrees to reimburse BellSouth for the reasonable and demonstrable costs incurred by BellSouth in obtaining such rights for <<CUSTOMER NAME>>. In cases where a Third Party Attachment does not grant BellSouth the right to provide access and use rights to others as contemplated by this Attachment and BellSouth, despite its best efforts, is unable to secure such access and use rights for

<<CUSTOMER NAME>> as above, <<CUSTOMER NAME>> shall be responsible for obtaining such permission to access and use such property. BellSouth shall cooperate with <<CUSTOMER NAME>> in obtaining such permission.

- 1.4 Space Reclamation. In the event of space exhaust within a Remote Site Location, BellSouth may include in its documentation for the Petition for Waiver filing any vacant space in the Remote Site Location. <<CUSTOMER NAME>> will be responsible for any justification of vacant space within its Remote Collocation Space, if such justification is required by the appropriate state commission.
- 1.5 Use of Space. <<CUSTOMER NAME>> shall use the Remote Collocation Space for the purposes of installing, maintaining and operating <<CUSTOMER NAME>>'s equipment (to include testing and monitoring equipment) necessary, for interconnection with BellSouth services and facilities, including access to unbundled network elements, for the provision of telecommunications services. The Remote Collocation Space may be used for no other purposes except as specifically described herein or authorized in writing by BellSouth.
- 1.6 Rates and charges. <<CUSTOMER NAME>> agrees to pay the rates and charges identified in Exhibit B of Attachment 2 to this Agreement .
- 1.7 Due Dates. If any due date contained in this Attachment falls on a weekend or holiday, then the due date will be the next business day thereafter.

2. Space Availability Report

- 2.1 Reporting. Upon request from <<CUSTOMER NAME>>, BellSouth will provide a written report ("Space Availability Report") specifying the amount of Remote Collocation Space available at the Remote Site Location requested, the number of collocators present at the Remote Site Location, any modifications in the use of the space since the last report on the Remote Site Location requested and the measures BellSouth is taking to make additional space available for collocation arrangements.
 - 2.1.1 The request from <<CUSTOMER NAME>> for a Space Availability Report must be written and must include the Common Language Location Identification ("CLLI") code for both the Remote Site Location and the serving central office. Such information regarding the CLLI code for the serving central offices located in the National Exchange Carriers Association (NECA) Tariff FCC No. 4. If <<CUSTOMER NAME>> is unable to obtain the CLLI code, from for example a site visit to the remote site, <<CUSTOMER NAME>> may request the CLLI code from BellSouth. To obtain a CLLI code

for a remote site directly from BellSouth, <<CUSTOMER NAME>> should submit to BellSouth a Remote Site Interconnection Request for Remote Site CLLI Code prior to submitting its request for a Space Availability Report. <<CUSTOMER NAME>> should complete all the requested information and submit the Request with the applicable fee to BellSouth.

- 2.1.2 BellSouth will respond to a request for a Space Availability Report for a particular Remote Site Location within ten (10) calendar days of receipt of such request. This interval excludes national holidays. BellSouth will make best efforts to respond in ten (10) calendar days to such a request when the request includes from two (2) to five (5) Remote Site Locations within the same state. The response time for requests of more than five (5) Remote Site Locations shall be negotiated between the Parties. If BellSouth cannot meet the ten calendar day response time, BellSouth shall notify <<CUSTOMER NAME>> and inform <<CUSTOMER NAME>> of the time frame under which it can respond.

3. Collocation Options

- 3.1 Compliance. The parties agree to comply with all applicable federal, state, county, local and administrative laws, orders, rules, ordinances, regulations, and codes in the performance of their obligations hereunder.
- 3.2 Cageless. BellSouth shall allow <<CUSTOMER NAME>> to collocate <<CUSTOMER NAME>>'s equipment and facilities without requiring the construction of a cage or similar structure. BellSouth shall allow <<CUSTOMER NAME>> to have direct access to its equipment and facilities. BellSouth shall make cageless collocation available in single rack/bay increments. For equipment requiring special technical considerations, <<CUSTOMER NAME>> must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in BellCore (Telcordia) GR-63-Core and shall be responsible for constructing all special technical requirements associated with such equipment pursuant to Section 7.5 following. Subject to space availability and technical feasibility, at <<CUSTOMER NAME>>'s option, <<CUSTOMER NAME>> may enclose its equipment.
- 3.3 Shared (Subleased) Collocation. <<CUSTOMER NAME>> may allow other telecommunications carriers to share <<CUSTOMER NAME>>'s Remote Collocation Space pursuant to terms and conditions agreed to by <<CUSTOMER NAME>> ("Host") and other telecommunications carriers ("Guests") and pursuant to this section, except where the BellSouth Remote Site Location is located within a leased space and BellSouth is prohibited by said lease from offering such an option or is located on property for which BellSouth holds an easement and such easement does not permit such an option. <<CUSTOMER NAME>> shall notify BellSouth in writing upon

- execution of any Attachment between the Host and its Guest within ten (10) calendar days of its execution and prior to any Firm Order. Further, such notice shall include the name of the Guest(s) and the term of the Attachment, and shall contain a certification by <<CUSTOMER NAME>> that said Attachment imposes upon the Guest(s) the same terms and conditions for Remote Collocation Space as set forth in this Attachment between BellSouth and <<CUSTOMER NAME>>.
- 3.3.1 <<CUSTOMER NAME>> shall be the sole interface and responsible Party to BellSouth for assessment of rates and charges contained within Exhibit B of Attachment 2 to this Agreement; and for the purposes of ensuring that the safety and security requirements of this Attachment are fully complied with by the Guest, its employees and agents. BellSouth shall provide <<CUSTOMER NAME>> with a proration of the costs of the collocation space based on the number of collocators and the space used by each. In addition to the foregoing, <<CUSTOMER NAME>> shall be the responsible party to BellSouth for the purpose of submitting Applications for initial and additional equipment placement of Guest. In the event the Host and Guest jointly submit an Application, only one Application Fee will be assessed. A separate Guest Application shall require the assessment of an Application Fee, as set forth in Exhibit B of Attachment 2 to this Agreement. Notwithstanding the foregoing, Guest may arrange directly with BellSouth for the provision of the interconnecting facilities between BellSouth and Guest and for the provision of the services and access to unbundled network elements.
- 3.3.2 <<CUSTOMER NAME>> shall indemnify and hold harmless BellSouth from any and all claims, actions, causes of action, of whatever kind or nature arising out of the presence of <<CUSTOMER NAME>>'s Guests in the Remote Collocation Space except to the extent caused by BellSouth's sole negligence, gross negligence, or willful misconduct.
- 3.4 Adjacent Collocation. Subject to technical feasibility and space availability, BellSouth will provide approval for adjacent Remote Site collocation arrangements ("Remote Site Adjacent Arrangement") where space within the Remote Site Location is legitimately exhausted, where the Remote Site Adjacent Arrangement does not interfere with access to existing or planned structures or facilities on the Remote Site Location property. The Remote Site Adjacent Arrangement shall be constructed or procured by <<CUSTOMER NAME>> and in conformance with BellSouth's design and construction specifications. Further, <<CUSTOMER NAME>> shall construct, procure, maintain and operate said Remote Site Adjacent Arrangement(s) pursuant to all of the terms and conditions set forth in this Attachment. Rates shall be negotiated at the time of the request for the Remote Site Adjacent Arrangement.

- 3.4.1 Should <<CUSTOMER NAME>> elect such an option, <<CUSTOMER NAME>> must arrange with a BellSouth Certified Contractor to construct a Remote Site Adjacent Arrangement structure in accordance with BellSouth's guidelines and specifications. BellSouth will provide guidelines and specifications upon request. Where local building codes require enclosure specifications more stringent than BellSouth's standard specification, <<CUSTOMER NAME>> and <<CUSTOMER NAME>>'s BellSouth Certified Contractor must comply with local building code requirements. <<CUSTOMER NAME>>'s BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or licenses for such construction. <<CUSTOMER NAME>>'s BellSouth Certified Contractor shall bill <<CUSTOMER NAME>> directly for all work performed for <<CUSTOMER NAME>> pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Contractor. <<CUSTOMER NAME>> must provide the local BellSouth Remote Site Location contact with two cards, keys or other access device used to enter the locked enclosure. Except in cases of emergency, BellSouth shall not access <<CUSTOMER NAME>>'s locked enclosure prior to notifying <<CUSTOMER NAME>>.
- 3.4.2 BellSouth maintains the right to review <<CUSTOMER NAME>>'s plans and specifications prior to construction of a Remote Site Adjacent Arrangement(s). BellSouth shall complete its review within fifteen (15) calendar days. BellSouth may inspect the Remote Site Adjacent Arrangement(s) following construction and prior to the equipment becoming operational, to ensure the design and construction comply with BellSouth's guidelines and specifications. BellSouth may require <<CUSTOMER NAME>>, at <<CUSTOMER NAME>>'s sole cost, to correct any deviations from BellSouth's guidelines and specifications found during such inspection(s), up to and including removal of the Remote Site Adjacent Arrangement, within seven (7) calendar days of BellSouth's inspection, unless the Parties mutually agree to an alternative time frame.
- 3.4.3 <<CUSTOMER NAME>> shall provide a concrete pad, the structure housing the arrangement, heating/ventilation/air conditioning ("HVAC"), lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the BellSouth point of demarcation. At <<CUSTOMER NAME>>'s option, and where the local authority having jurisdiction permits, BellSouth shall provide an AC power source and access to physical collocation services and facilities subject to the same nondiscriminatory requirements as applicable to any other physical collocation arrangement. <<CUSTOMER NAME>>'s BellSouth Certified Contractor shall be responsible, at CLEC's expense, for filing and receiving any and all necessary zoning, permits and/or licenses for such arrangement.

- 3.4.4 BellSouth shall allow Shared (Subleased) Collocation within a Remote Site Adjacent Arrangement pursuant to the terms and conditions set forth herein.

4 Occupancy

- 4.1 Occupancy. BellSouth will notify <<CUSTOMER NAME>> in writing that the Remote Collocation Space is ready for occupancy. <<CUSTOMER NAME>> must notify BellSouth in writing that collocation equipment installation is complete. BellSouth may, at its option, not accept orders for interconnected service until receipt of such notice.
- 4.2 Termination of Occupancy. In addition to any other provisions addressing termination of occupancy in this Attachment, <<CUSTOMER NAME>> may terminate occupancy in a particular Remote Site Location by submitting a Subsequent Application requesting termination of occupancy. A Subsequent Application Fee will not apply for termination of occupancy.
- 4.2.1 Upon termination of occupancy, <<CUSTOMER NAME>> at its expense shall remove its equipment and other property from the Remote Collocation Space. <<CUSTOMER NAME>> shall have thirty (30) calendar days from the termination date to complete such removal, including the removal of all equipment and facilities of <<CUSTOMER NAME>>'s Guests, unless CLEC's Guest has assumed responsibility for the collocation space housing the Guest's equipment and executed the documentation required by BellSouth prior to such removal date; provided, however, that <<CUSTOMER NAME>> shall continue payment of monthly fees to BellSouth until such date as <<CUSTOMER NAME>>, and if applicable <<CUSTOMER NAME>>'s Guest, has fully vacated the Remote Collocation Space. Should <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest fail to vacate the Remote Collocation Space within thirty (30) calendar days from the termination date, BellSouth shall have the right to remove the equipment and other property of <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest at <<CUSTOMER NAME>>'s expense and with no liability for damage or injury to <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest's property unless caused by the gross negligence or intentional misconduct of BellSouth. Upon termination of occupancy with respect to a Remote Collocation Space, <<CUSTOMER NAME>> shall surrender such Remote Collocation Space to BellSouth in the same condition as when first occupied by the <<CUSTOMER NAME>> except for ordinary wear and tear unless otherwise agreed to by the Parties. <<CUSTOMER NAME>> shall be responsible for the cost of removing any enclosure, together with all support structures (e.g., racking, conduits), of a Remote Site Adjacent Arrangement at the termination of occupancy and restoring the grounds to their original condition.

5 Use of Remote Collocation Space

- 5.1 Equipment Type. BellSouth permits the collocation of any type of equipment necessary for interconnection to BellSouth's network or for access to unbundled network elements in the provision of telecommunications services.
- 5.1.1 Such equipment must at a minimum meet the following BellCore (Telcordia) Network Equipment Building Systems (NEBS) General Equipment Requirements: Criteria Level 3 requirements as outlined in the BellCore (Telcordia) Special Report SR-3580, Issue 1; equipment design spatial requirements per GR-63-CORE, Section 2; thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79; acoustic noise per GR-063-CORE, Section 4, Criterion 128, and National Electric Code standards. Except where otherwise required by a Commission, BellSouth shall comply with the applicable FCC rules relating to denial of collocation based on <<CUSTOMER NAME>>'s failure to comply with these requirements.
- 5.1.2 <<CUSTOMER NAME>> shall not use the Remote Collocation Space for marketing purposes nor shall it place any identifying signs or markings in the area surrounding the Remote Collocation Space or on the grounds of the Remote Site Location.
- 5.1.3 <<CUSTOMER NAME>> shall place a plaque or other identification affixed to <<CUSTOMER NAME>>'s equipment to identify <<CUSTOMER NAME>>'s equipment, including a list of emergency contacts with telephone numbers.
- 5.1.4 All <<CUSTOMER NAME>> equipment installation shall comply with BellSouth TR 73503-11, Section 8, "Grounding - Engineering Procedures". Metallic cable sheaths and metallic strength members of optical fiber cables as well as the metallic cable sheaths of all copper conductor cables shall be bonded to the designated grounding bus for the Remote Site Location. All copper conductor pairs, working and non-working, shall be equipped with a solid state protector unit (over-voltage protection only) which has been listed by a nationally recognized testing laboratory.
- 5.2 Entrance Facilities. <<CUSTOMER NAME>> may elect to place <<CUSTOMER NAME>>-owned or <<CUSTOMER NAME>>-leased entrance facilities into the Remote Collocation Space from <<CUSTOMER NAME>>'s point of presence. BellSouth will designate the point of interconnection at the Remote Site Location housing the Remote Collocation Space, which is physically accessible by both Parties. <<CUSTOMER NAME>> will provide and place copper cable through conduit from the Remote Collocation Space to the Feeder Distribution Interface to the splice location of sufficient length for splicing by BellSouth. <<CUSTOMER NAME>> must contact BellSouth for instructions prior to placing the entrance facility cable. <<CUSTOMER NAME>> is responsible for maintenance of the entrance facilities.

- 5.2.1 Shared Use. <<CUSTOMER NAME>> may utilize spare capacity on an existing interconnector entrance facility for the purpose of providing an entrance facility to <<CUSTOMER NAME>>'s collocation arrangement within the same BellSouth Remote Site Location.
- 5.3 Demarcation Point. BellSouth will designate the point(s) of demarcation between <<CUSTOMER NAME>>'s equipment and/or network and BellSouth's network. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point. <<CUSTOMER NAME>> or its agent must perform all required maintenance to <<CUSTOMER NAME>> equipment/facilities on its side of the demarcation point, pursuant to Section 5.4, following.
- 5.4 <<CUSTOMER NAME>>'s Equipment and Facilities. <<CUSTOMER NAME>>, or if required by this Attachment, <<CUSTOMER NAME>>'s Certified Supplier, is solely responsible for the design, engineering, installation, testing, provisioning, performance, monitoring, maintenance and repair of the equipment and facilities used by <<CUSTOMER NAME>>.
- 5.5 BellSouth's Access to Remote Collocation Space. BellSouth retains the right to access the Remote Collocation Space for the purpose of making BellSouth equipment and Remote Site Location modifications.
- 5.6 Access. Pursuant to Section 12, <<CUSTOMER NAME>> shall have access to the Remote Collocation Space twenty-four (24) hours a day, seven (7) days a week. <<CUSTOMER NAME>> agrees to provide the name and social security number or date of birth or driver's license number of each employee, contractor, or agents of <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guests provided with access keys or devices ("Access Keys") prior to the issuance of said Access Keys. Key acknowledgement forms must be signed by <<CUSTOMER NAME>> and returned to BellSouth Access Management within fifteen (15) calendar days of <<CUSTOMER NAME>>'s receipt. Failure to return properly acknowledged forms will result in the holding of subsequent requests until acknowledgements are current. Access Keys shall not be duplicated under any circumstances. <<CUSTOMER NAME>> agrees to be responsible for all Access Keys and for the return of all said Access Keys in the possession of <<CUSTOMER NAME>> employees, contractors, Guests, or agents after termination of the employment relationship, contractual obligation with <<CUSTOMER NAME>> or upon the termination of this Attachment or the termination of occupancy of an individual Remote Site collocation arrangement.
- 5.6.1 <<CUSTOMER NAME>> must submit to BellSouth the completed Access Control Request Form for all employees or agents requiring access to the

- BellSouth Premises a minimum of thirty (30) calendar days prior to the date <<CUSTOMER NAME>> desires access to the Collocation Space. In order to permit reasonable access during construction of the Collocation Space, <<CUSTOMER NAME>> may submit such a request at any time subsequent to BellSouth's receipt of the Bona Fide Firm Order. In the event <<CUSTOMER NAME>> desires access to the Collocation Space after submitting such a request but prior to access being approved, BellSouth shall permit <<CUSTOMER NAME>> to access the Collocation Space accompanied by a security escort at <<CUSTOMER NAME>>'s expense. <<CUSTOMER NAME>> must request escorted access at least three (3) business days prior to the date such access is desired.
- 5.7 Lost or Stolen Access Keys. <<CUSTOMER NAME>> shall notify BellSouth in writing immediately in the case of lost or stolen Access Keys. Should it become necessary for BellSouth to re-key Remote Site Locations as a result of a lost Access Key(s) or for failure to return an Access Key(s), <<CUSTOMER NAME>> shall pay for all reasonable costs associated with the re-keying.
- 5.8 Interference or Impairment. Notwithstanding any other provisions of this Attachment, equipment and facilities placed in the Remote Collocation Space shall not significantly degrade, interfere with or impair service provided by BellSouth or by any other interconnector located in the Remote Site Location; shall not endanger or damage the facilities of BellSouth or of any other interconnector, the Remote Collocation Space, or the Remote Site Location; shall not compromise the privacy of any communications carried in, from, or through the Remote Site Location; and shall not create an unreasonable risk of injury or death to any individual or to the public. If BellSouth reasonably determines that any equipment or facilities of <<CUSTOMER NAME>> violates the provisions of this paragraph, BellSouth shall give written notice to <<CUSTOMER NAME>>, which notice shall direct <<CUSTOMER NAME>> to cure the violation within forty-eight (48) hours of <<CUSTOMER NAME>>'s actual receipt of written notice or, at a minimum, to commence curative measures within 24 hours and to exercise reasonable diligence to complete such measures as soon as possible thereafter. After receipt of the notice, the Parties agree to consult immediately and, if necessary, to inspect the arrangement.
- 5.8.1 Except in the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services, if <<CUSTOMER NAME>> fails to take curative action within 48 hours or if the violation is of a character which poses an immediate and substantial threat of damage to property, injury or death to any person, or other interference/impairment of the services provided by BellSouth or any other interconnector, then and only in that event BellSouth may take such action as it deems appropriate to correct the violation,

- including without limitation the interruption of electrical power to <<CUSTOMER NAME>>'s equipment. BellSouth will endeavor, but is not required, to provide notice to <<CUSTOMER NAME>> prior to taking such action and shall have no liability to <<CUSTOMER NAME>> for any damages arising from such action, except to the extent that such action by BellSouth constitutes willful misconduct.
- 5.8.2 For purposes of this section, the term significantly degrade shall mean an action that noticeably impairs a service from a user's perspective. In the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services and <<CUSTOMER NAME>> fails to take curative action within 48 hours then BellSouth will establish before the relevant Commission that the technology deployment is causing the significant degradation. Any claims of network harm presented to <<CUSTOMER NAME>> or, if subsequently necessary, the relevant Commission must be supported with specific and verifiable information. Where BellSouth demonstrates that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, <<CUSTOMER NAME>> shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services. Where the only degraded service itself is a known disturber, and the newly deployed technology satisfies at least one of the criteria for a presumption that is acceptable for deployment under 47 C.F.R. 51.230, the degraded service shall not prevail against the newly-deployed technology.
- 5.9 Presence of Facilities. Facilities and equipment placed by <<CUSTOMER NAME>> in the Remote Collocation Space shall not become a part of the Remote Site Location, even if nailed, screwed or otherwise fastened to the Remote Collocation Space but shall retain its status as personality and may be removed by <<CUSTOMER NAME>> at any time. Any damage caused to the Remote Collocation Space by <<CUSTOMER NAME>>'s employees, agents or representatives shall be promptly repaired by <<CUSTOMER NAME>> at its expense.
- 5.10 Alterations. In no case shall <<CUSTOMER NAME>> or any person acting on behalf of <<CUSTOMER NAME>> make any rearrangement, modification, improvement, addition, or other alteration which could affect in any way space, power, HVAC, and/or safety considerations to the Remote Collocation Space or the BellSouth Remote Site Location without the written consent of BellSouth, which consent shall not be unreasonably withheld. The cost of any specialized alterations shall be paid by <<CUSTOMER NAME>>. Any material rearrangement, modification, improvement, addition, or other alteration shall require an Application Fee.

- 5.11 Upkeep of Remote Collocation Space. <<CUSTOMER NAME>> shall be responsible for the general upkeep and cleaning of the Remote Collocation Space. <<CUSTOMER NAME>> shall be responsible for removing any <<CUSTOMER NAME>> debris from the Remote Collocation Space and from in and around the Remote Collocation Site on each visit.

6. Space Notification

- 6.1 Should any state or federal regulatory agency impose procedures or intervals applicable to <<CUSTOMER NAME>> that are different from procedures or intervals set forth in this section, whether now in effect or that become effective after execution of this Agreement, those procedures or intervals shall supersede the requirements set forth herein for that jurisdiction for all applications submitted for the first time after the effective date thereof.
- 6.2 Application for Space. <<CUSTOMER NAME>> shall submit a Remote Site Collocation Application when <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest(s), as defined in Section 3.3, desires to request or modify the use of the Remote Collocation Space.
- 6.3 Initial Application. For <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest(s) equipment placement, <<CUSTOMER NAME>> shall submit to BellSouth an Application. The Application is Bona Fide when it is complete and accurate, meaning that all required fields on the Application are completed with the appropriate type of information. Prior to submitting the application, CLLI information can be obtained in the manner set forth in Section 2.1.1. An Application Fee will apply.
- 6.4 Subsequent Application In the event <<CUSTOMER NAME>> or <<CUSTOMER NAME>>'s Guest(s) desires to modify the use of the Collocation Space after Bona Fide Firm Order, <<CUSTOMER NAME>> shall complete an Application detailing all information regarding the modification to the Collocation Space ("Subsequent Application"). BellSouth shall determine what modifications, if any, to the Premises are required to accommodate the change requested by <<CUSTOMER NAME>> in the Application. Such necessary modifications to the Premises may include, but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, equipment additions, etc. An Application Fee will apply.
- 6.5 Availability of Space. Upon submission of an Application, BellSouth will permit <<CUSTOMER NAME>> to physically collocate, pursuant to the terms of this Attachment, at any BellSouth Remote Site Location, unless BellSouth has determined that there is no space available due to space limitations or that Remote Site Collocation is not practical for technical reasons. In the

- event space is not immediately available at a Remote Site Location, BellSouth reserves the right to make additional space available, in which case the conditions in Section 7.2 shall apply, or BellSouth may elect to deny space in accordance with this section in which case virtual or adjacent collocation options may be available. If the amount of space requested is not available, BellSouth will notify <<CUSTOMER NAME>> of the amount that is available.
- 6.5.1 Availability Notification. BellSouth will respond to an application within ten (10) calendar days as to whether space is available or not available within a BellSouth Remote Site Location. This interval excludes National Holidays. If the amount of space requested is not available, BellSouth will notify <<CUSTOMER NAME>> of the amount of space that is available and no Application Fee shall apply. When BellSouth's response includes an amount of space less than that requested by <<CUSTOMER NAME>>, <<CUSTOMER NAME>> must resubmit its Application to reflect the actual space available.
- 6.6 Denial of Application. If BellSouth notifies <<CUSTOMER NAME>> that no space is available ("Denial of Application"), BellSouth will not assess an Application Fee. After notifying <<CUSTOMER NAME>> that BellSouth has no available space in the requested Remote Site Location, BellSouth will allow <<CUSTOMER NAME>>, upon request, to tour the Remote Site Location within ten (10) calendar days of such Denial of Application. This interval excludes national holidays. In order to schedule said tour within ten (10) calendar days, the request for a tour of the Remote Site Location must be received by BellSouth within five (5) calendar days of the Denial of Application.
- 6.7 Filing of Petition for Waiver. Upon Denial of Application BellSouth will timely file a petition with the Commission pursuant to 47 U.S.C. § 251(c)(6). BellSouth shall provide to the Commission any information requested by that Commission. Such information shall include which space, if any, BellSouth or any of BellSouth's affiliates have reserved for future use and a detailed description of the specific future uses for which the space has been reserved. Subject to an appropriate nondisclosure Attachment or provision, BellSouth shall permit <<CUSTOMER NAME>> to inspect any plans or diagrams that BellSouth provides to the Commission.
- 6.8 Waiting List. On a first-come, first-served basis governed by the date of receipt of an Application or Letter of Intent, BellSouth will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. BellSouth will notify the telecommunications carriers on the waiting list that can be accommodated by the amount of space that becomes available according to the position of the telecommunications carriers on said waiting list

- 6.8.1 When space becomes available, <<CUSTOMER NAME>> must submit an updated, complete, and correct Application to BellSouth within 30 calendar days of such notification. <<CUSTOMER NAME>> may accept an amount of space less than its original request by submitting an Application as set forth above, and upon request, may maintain its position on the waiting list for the remaining space that was initially requested. If <<CUSTOMER NAME>> does not submit such an Application or notify BellSouth in writing as described above, BellSouth will offer such space to the next CLEC on the waiting list and remove <<CUSTOMER NAME>> from the waiting list. Upon request, BellSouth will advise <<CUSTOMER NAME>> as to its position on the list.
- 6.9 Public Notification. BellSouth will maintain on its Interconnection Services website a notification document that will indicate all Remote Site Locations that are without available space. BellSouth shall update such document within ten (10) calendar days of the Denial of Application date. This interval excludes national holidays. BellSouth will also post a document on its Interconnection Services website that contains a general notice where space has become available in a Remote Site Location previously on the space exhaust list.
- 6.10 Application Response.
- 6.10.1 BellSouth will provide a written response ("Application Response") within thirty (30) calendar days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the estimated provisioning interval, any additional engineering charges, if applicable, and any other additional information that may extend the ordinary interval to extraordinary interval status, together with sufficient information to explain such extension.
- 6.10.1.1 When multiple applications are submitted in a state within a fifteen (15) calendar day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) calendar days for Bona Fide Applications 1-5; within thirty-six (36) calendar days for Bona Fide Applications 6-10; within forty-two (42) calendar days for Bona Fide Applications 11-15. Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of 15 must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation
- 6.11 Application Modifications.
- 6.11.1 If a modification or revision is made to any information in the Bona Fide Application prior to Bona Fide Firm Order, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of <<CUSTOMER NAME>> or necessitated by technical

considerations, said Application shall be considered a new Application and shall be handled as a new Application for purposes of the provisioning interval, and BellSouth may charge <<CUSTOMER NAME>> an Application Fee. Where the Application Modification does not require assessment for provisioning or construction work by BellSouth, no application fee will be required. The fee for an Application Modification where the modification requested has limited effect (e.g., requires limited assessment and no capital expenditure by BellSouth) shall be the Subsequent Application Fee as set forth in Exhibit B of Attachment 2 to this Agreement. Major changes, such as requesting additional space or adding equipment may require <<CUSTOMER NAME>> to resubmit the Application and an additional Application Fee shall apply.

6.12 Bona Fide Firm Order.

- 6.12.1 <<CUSTOMER NAME>> shall indicate its intent to proceed with equipment installation in a BellSouth Remote Site Location by submitting a Physical Expanded Interconnection Firm Order document ("Firm Order") to BellSouth. A Firm Order shall be considered Bona Fide when <<CUSTOMER NAME>> has completed the Application/Inquiry process described in this Section 6, preceding and has submitted the Firm Order document indicating acceptance of the Application Response provided by BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) calendar days after BellSouth's Application Response to <<CUSTOMER NAME>>'s Bona Fide Application or the Application will expire.
- 6.13 BellSouth will permit one accompanied site visit to <<CUSTOMER NAME>>'s designated Remote Collocation Space after receipt of the Bona Fide Firm Order without charge to <<CUSTOMER NAME>>.

7. Construction and Provisioning

7.1 Construction and Provisioning Intervals.

- 7.1.1 BellSouth will provision collocation arrangements within thirty (30) calendar days from receipt of a Bona Fide Firm Order when conditioned space is available and <<CUSTOMER NAME>> installs its own racks/bays. In no event will the provisioning interval for cageless collocation exceed ninety (90) calendar days from the receipt of a Bona Fide Firm Order.
- 7.2 In the event BellSouth does not have space immediately available at a Remote Site Location, BellSouth may elect to make additional space available by, for example but not limited to, rearranging BellSouth facilities or constructing additional capacity. In such cases, the above intervals shall not apply and BellSouth will provision the Remote Collocation Space in a

nondiscriminatory manner and at parity with BellSouth and will provide <<CUSTOMER NAME>> with the estimated completion date in its Response.

- 7.3 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications.
- 7.4 Acceptance Walk Through. <<CUSTOMER NAME>> will schedule and complete an acceptance walk through of each Collocation Space with BellSouth within fifteen (15) days of BellSouth's notifying <<CUSTOMER NAME>> that the collocation space is ready for occupancy. BellSouth will correct any deviations to <<CUSTOMER NAME>>'s original or jointly amended requirements within seven (7) calendar days after the walk through, unless the Parties jointly agree upon a different time frame.
- 7.5 Use of BellSouth Certified Supplier. <<CUSTOMER NAME>> shall select a supplier that has been approved by BellSouth to perform all engineering and installation work required in the Remote Collocation Space per TR 73503 specifications ("Certified Supplier"). BellSouth shall provide <<CUSTOMER NAME>> with a list of Certified Suppliers upon request. The Certified Supplier(s) shall be responsible for installing <<CUSTOMER NAME>>'s equipment and components, extending power cabling to the BellSouth power distribution frame, performing operational tests after installation is complete, and notifying BellSouth's Outside Plant engineers and <<CUSTOMER NAME>> upon successful completion of installation. The Certified Supplier shall bill <<CUSTOMER NAME>> directly for all work performed for <<CUSTOMER NAME>> pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the Certified Supplier. BellSouth shall consider certifying <<CUSTOMER NAME>> or any supplier proposed by <<CUSTOMER NAME>>. All work performed by or for <<CUSTOMER NAME>> shall conform to generally accepted industry guidelines and standards.
- 7.6 Alarm and Monitoring. BellSouth may place alarms in the Remote Site Location for the protection of BellSouth equipment and facilities. <<CUSTOMER NAME>> shall be responsible for placement, monitoring and removal of alarms used to service <<CUSTOMER NAME>>'s Remote Collocation Space and for ordering the necessary services therefor. Both Parties shall use best efforts to notify the other of any verified hazardous conditions known to that Party.
- 7.7 Virtual Remote Site Collocation Relocation. BellSouth offers Virtual Collocation pursuant to the terms and conditions set forth in its F.C.C. Tariff No. 1 for Remote Site Collocation locations. The rates shall be the same as provided in this Exhibit B of Attachment 2 to this Agreement. <<CUSTOMER

- NAME>> may place within its Virtual Collocation arrangements the telecommunications equipment set forth in Section 5.1. In the event physical Remote Collocation Space was previously denied at a Remote Site Location due to technical reasons or space limitations, and that physical Remote Collocation Space has subsequently become available, <<CUSTOMER NAME>> may relocate its virtual Remote Site collocation arrangements to physical Remote Site collocation arrangements and pay the appropriate non-recurring fees for physical Remote Site collocation and for the rearrangement or reconfiguration of services terminated in the virtual Remote Site collocation arrangement, as outlined in the appropriate BellSouth tariffs. In the event that BellSouth knows when additional space for physical Remote Site collocation may become available at the location requested by <<CUSTOMER NAME>>, such information will be provided to <<CUSTOMER NAME>> in BellSouth's written denial of physical Remote Site collocation. To the extent that (i) physical Remote Collocation Space becomes available to <<CUSTOMER NAME>> within 180 calendar days of BellSouth's written denial of <<CUSTOMER NAME>>'s request for physical collocation, and (ii) <<CUSTOMER NAME>> was not informed in the written denial that physical Remote Collocation Space would become available within such 180 calendar days, then <<CUSTOMER NAME>> may relocate its virtual Remote Site collocation arrangement to a physical Remote Site collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual Remote Site collocation. <<CUSTOMER NAME>> must arrange with a BellSouth Certified Supplier for the relocation of equipment from its virtual Remote Collocation Space to its physical Remote Collocation Space and will bear the cost of such relocation.
- 7.8 Cancellation. If, at anytime prior to space acceptance, <<CUSTOMER NAME>> cancels its order for the Remote Collocation Space(s), <<CUSTOMER NAME>> will reimburse BellSouth for the applicable non-recurring rate for any and all work processes for which work has begun.
- 7.9 Licenses. <<CUSTOMER NAME>>, at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses necessary or required to operate as a provider of telecommunications services to the public or to occupy the Remote Collocation Space.
- 7.10 Environmental Hazard Guidelines. The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified as Exhibit A attached hereto.
- 8. Rates and Charges**
- 8.1 Application Fee. BellSouth will assess an Application Fee on a service order which shall be issued at the time BellSouth responds that space is available. Payment of the Application Fee will be due as dictated by <<CUSTOMER NAME>>'s current billing cycle and is non-refundable.

- 8.2 Recurring Fees. Recurring charges begin on the date that <<CUSTOMER NAME>> executes the written document accepting the Remote Collocation Space pursuant to Section 7.4, or on the date <<CUSTOMER NAME>> first occupies the Remote Collocation Space, whichever is sooner. If <<CUSTOMER NAME>> fails to schedule and complete a walkthrough pursuant to Section 7.4 within fifteen (15) days after BellSouth releases the space for occupancy, then BellSouth shall begin billing <<CUSTOMER NAME>> for recurring charges as of the sixteenth (16) day after BellSouth releases the Remote Collocation Space. Other charges shall be billed upon request for the services. All charges shall be due as dictated by <<CUSTOMER NAME>>'s current billing cycle.
- 8.3 Rack/Bay Space. The rack/bay space charge includes reasonable charges for air conditioning, ventilation and other allocated expenses associated with maintenance of the Remote Site Location, and includes amperage necessary to power <<CUSTOMER NAME>>'s equipment. <<CUSTOMER NAME>> shall pay rack/bay space charges based upon the number of racks/bays requested. BellSouth will assign Remote Collocation Space in conventional remote site rack/bay lineups where feasible.
- 8.4 Power. BellSouth shall make available -48 Volt (-48V) DC power for <<CUSTOMER NAME>>'s Remote Collocation Space at a BellSouth Power Board (Fuse and Alarm Panel) or BellSouth Battery Distribution Fuse Bay ("BDFB") at <<CUSTOMER NAME>>'s option within the Remote Site Location. The charge for power shall be assessed as part of the recurring charge for rack/bay space. If the power requirements for <<CUSTOMER NAME>>'s equipment exceeds the capacity for the rack/bay, then such power requirements shall be assessed on a recurring per amp basis for the individual case.
- 8.4.1 Charges for AC power will be assessed per breaker ampere per month. Rates include the provision of commercial and standby AC power, where available. When obtaining power from a BellSouth service panel, protection devices and power cables must be engineered (sized), and installed by <<CUSTOMER NAME>>'s BellSouth Certified Supplier except that BellSouth shall engineer and install protection devices and power cables for Adjacent Collocation. <<CUSTOMER NAME>>'s BellSouth Certified Supplier must also provide a copy of the engineering power specification prior to <<CUSTOMER NAME>>'s equipment becoming operational. AC power voltage and phase ratings shall be determined on a per location basis. At <<CUSTOMER NAME>>'s option, <<CUSTOMER NAME>> may arrange for AC power in an Adjacent Collocation arrangement from a retail provider of electrical power.
- 8.5 Security Escort. A security escort will be required whenever <<CUSTOMER NAME>> or its approved agent desires access to the Remote Site Location

after the one accompanied site visit allowed prior to completing BellSouth's Security Training requirements. The parties will negotiate appropriate security escort rates which will be assessed on a one half (1/2) hour increment basis.

8.6 Rate "True-Up". The Parties agree that the prices reflected as interim herein shall be "trued-up" (up or down) based on final prices either determined by further Attachment or by an effective order, in a proceeding involving BellSouth before the regulatory authority for the state in which the services are being performed or any other body having jurisdiction over this Attachment (hereinafter "Commission"). Under the "true-up" process, the interim price for each service shall be multiplied by the volume of that service purchased to arrive at the total interim amount paid for that service ("Total Interim Price"). The final price for that service shall be multiplied by the volume purchased to arrive at the total final amount due ("Total Final Price"). The Total Interim Price shall be compared with the Total Final Price. If the Total Final Price is more than the Total Interim Price, <<CUSTOMER NAME>> shall pay the difference to BellSouth. If the Total Final Price is less than the Total Interim Price, BellSouth shall pay the difference to <<CUSTOMER NAME>>. Each Party shall keep its own records upon which a "true-up" can be based and any final payment from one Party to the other shall be in an amount agreed upon by the Parties based on such records. In the event of any disAttachment as between the records or the Parties regarding the amount of such "true-up," the Parties agree that the Commission shall be called upon to resolve such differences.

8.7 Other. If no rate is identified in Exhibit B of Attachment 2 to this Agreement , the rate for the specific service or function will be negotiated by the Parties upon request by either Party. Payment of all other charges shall be due as dictated by <<CUSTOMER NAME>>'s current billing cycle. <<CUSTOMER NAME>> will pay a late payment charge of the lessor of one and one half percent or the legal interest rate assessed monthly on any balance which remains unpaid after the payment due date.

9. Insurance

9.1 Maintain Insurance. <<CUSTOMER NAME>> shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section 9 and underwritten by insurance companies licensed to do business in the states applicable under this Attachment and having a Best's Insurance Rating of A-.

9.2 Coverage. <<CUSTOMER NAME>> shall maintain the following specific coverage:

9.2.1 Commercial General Liability coverage in the amount of ten million dollars (\$10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars

(\$10,000,000.00). BellSouth shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.

- 9.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars (\$100,000.00) each accident, one hundred thousand dollars (\$100,000.00) each employee by disease, and five hundred thousand dollars (\$500,000.00) policy limit by disease.
- 9.2.3 All Risk Property coverage on a full replacement cost basis insuring all of <<CUSTOMER NAME>>'s real and personal property situated on or within BellSouth's Remote Site Location.
- 9.2.4 <<CUSTOMER NAME>> may elect to purchase business interruption and contingent business interruption insurance, having been advised that BellSouth assumes no liability for loss of profit or revenues should an interruption of service occur.
- 9.3 Limits. The limits set forth in Section 9.2 above may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days notice to <<CUSTOMER NAME>> to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- 9.4 All policies purchased by <<CUSTOMER NAME>> shall be deemed to be primary. All policies purchased by <<CUSTOMER NAME>> shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by BellSouth. All insurance must be in effect on or before the date equipment is delivered to BellSouth's Remote Site Location and shall remain in effect for the term of this Attachment or until all <<CUSTOMER NAME>>'s property has been removed from BellSouth's Remote Site Location, whichever period is longer. If <<CUSTOMER NAME>> fails to maintain required coverage, BellSouth may pay the premiums thereon and seek reimbursement of same from <<CUSTOMER NAME>>.
- 9.5 Submit certificates of insurance. <<CUSTOMER NAME>> shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Remote Collocation Space. Failure to meet this interval may result in construction and equipment installation delays. <<CUSTOMER NAME>> shall arrange for BellSouth to receive thirty (30) business days' advance notice of cancellation from <<CUSTOMER NAME>>'s insurance company. <<CUSTOMER NAME>> shall forward a certificate of insurance and notice of cancellation/non-renewal to BellSouth at the following address:

BellSouth Telecommunications, Inc.
Attn.: Risk Management Coordinator
675 W. Peachtree Street
Rm. 17H53
Atlanta, Georgia 30375

- 9.6 Conformance to recommendations made by BellSouth's fire insurance company. <<CUSTOMER NAME>> must conform to recommendations made by BellSouth's fire insurance company to the extent BellSouth has agreed to, or shall hereafter agree to, such recommendations.
- 9.7 Self-Insurance. If <<CUSTOMER NAME>>'s net worth exceeds five hundred million dollars (\$500,000,000), <<CUSTOMER NAME>> may elect to request self-insurance status in lieu of obtaining any of the insurance required in Sections 9.2.1 and 9.2.3. <<CUSTOMER NAME>> shall provide audited financial statements to BellSouth thirty (30) days prior to the commencement of any work in the Remote Collocation Space. BellSouth shall then review such audited financial statements and respond in writing to <<CUSTOMER NAME>> in the event that self-insurance status is not granted to <<CUSTOMER NAME>>. If BellSouth approves <<CUSTOMER NAME>> for self-insurance, <<CUSTOMER NAME>> shall annually furnish to BellSouth, and keep current, evidence of such net worth that is attested to by one of <<CUSTOMER NAME>>'s corporate officers. The ability to self-insure shall continue so long as <<CUSTOMER NAME>> meets all of the requirements of this Section. If <<CUSTOMER NAME>> subsequently no longer satisfies this Section, <<CUSTOMER NAME>> is required to purchase insurance as indicated by Sections 9.2.1 and 8.2.3.
- 9.8 Net worth requirements. The net worth requirements set forth in Section 8.7 may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days' notice to <<CUSTOMER NAME>> to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- 9.9 Failure to comply. Failure to comply with the provisions of this Section will be deemed a material breach of this Attachment.

10. Mechanics Liens

- 10.1 Mechanics Lien or other Liens. If any mechanics lien or other liens shall be filed against property of either Party (BellSouth or <<CUSTOMER NAME>>), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien

has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

11. Inspections

- 11.1 BellSouth may conduct inspection. BellSouth may conduct an inspection of <<CUSTOMER NAME>>'s equipment and facilities in the Remote Collocation Space(s) prior to the activation of facilities between <<CUSTOMER NAME>>'s equipment and equipment of BellSouth. BellSouth may conduct an inspection if <<CUSTOMER NAME>> adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. BellSouth shall provide <<CUSTOMER NAME>> with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by BellSouth.

12. Security and Safety Requirements

- 12.1 <<CUSTOMER NAME>> will be required, at its own expense, to conduct a statewide investigation of criminal history records for each <<CUSTOMER NAME>> employee being considered for work on the BellSouth Premises, for the states/counties where the <<CUSTOMER NAME>> employee has worked and lived for the past five years. Where state law does not permit statewide collection or reporting, an investigation of the applicable counties is acceptable. <<CUSTOMER NAME>> shall not be required to perform this investigation if an affiliated company of <<CUSTOMER NAME>> has performed an investigation of the <<CUSTOMER NAME>> employee seeking access, if such investigation meets the criteria set forth above. This requirement will not apply if <<CUSTOMER NAME>> has performed a pre-employment statewide investigation of criminal history records of the <<CUSTOMER NAME>> employee for the states/counties where the <<CUSTOMER NAME>> employee has worked and lived for the past five years or, where state law does not permit a statewide investigation, an investigation of the applicable counties.
- 12.2 <<CUSTOMER NAME>> shall provide its employees and agents with picture identification which must be worn and visible at all times while in the Collocation Space or other areas in or around the Premises. The photo Identification card shall bear, at a minimum, the employee's name and photo, and the <<CUSTOMER NAME>> name. BellSouth reserves the right to remove from its premises any employee of <<CUSTOMER NAME>> not possessing identification issued by <<CUSTOMER NAME>> or who have

- violated any of BellSouth's policies as outlined in the CLEC Security Training documents. <<CUSTOMER NAME>> shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises. <<CUSTOMER NAME>> shall be solely responsible for ensuring that any Guest of <<CUSTOMER NAME>> is in compliance with all subsections of this Section 12.
- 12.3 <<CUSTOMER NAME>> will be required to administer to their personnel assigned to the BellSouth Premises security training either provided by BellSouth, or meeting criteria defined by BellSouth.
- 12.4 <<CUSTOMER NAME>> shall not assign to the BellSouth Premises any personnel with records of felony criminal convictions. <<CUSTOMER NAME>> shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions, except for misdemeanor traffic violations, without advising BellSouth of the nature and gravity of the offense(s). BellSouth reserves the right to refuse access to any <<CUSTOMER NAME>> personnel who have been identified to have misdemeanor criminal convictions. Notwithstanding the foregoing, in the event that <<CUSTOMER NAME>> chooses not to advise BellSouth of the nature and gravity of any misdemeanor conviction, <<CUSTOMER NAME>> may, in the alternative, certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions (other than misdemeanor traffic violations).
- 12.4.1 <<CUSTOMER NAME>> shall not knowingly assign to the BellSouth Premises any individual who was a former employee of BellSouth and whose employment with BellSouth was terminated for a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.
- 12.4.2 <<CUSTOMER NAME>> shall not knowingly assign to the BellSouth Premises any individual who was a former contractor of BellSouth and whose access to a BellSouth Premises was revoked due to commission of a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.
- 12.5 For each <<CUSTOMER NAME>> employee requiring access to a BellSouth Premises pursuant to this Attachment, <<CUSTOMER NAME>> shall furnish BellSouth, prior to an employee gaining such access, a certification that the aforementioned background check and security training were completed. The certification will contain a statement that no felony convictions were found and certifying that the security training was completed by the employee. If the employee's criminal history includes misdemeanor convictions, <<CUSTOMER NAME>> will disclose the nature of the convictions to BellSouth at that time. In the alternative, <<CUSTOMER NAME>> may certify to BellSouth that it shall not assign to the BellSouth Premises any

personnel with records of misdemeanor convictions other than misdemeanor traffic violations.

- 12.6 At BellSouth's request, <<CUSTOMER NAME>> shall promptly remove from BellSouth's Premises any employee of <<CUSTOMER NAME>> BellSouth does not wish to grant access to its premises 1) pursuant to any investigation conducted by BellSouth or 2) prior to the initiation of an investigation if an employee of <<CUSTOMER NAME>> is found interfering with the property or personnel of BellSouth or another CLEC, provided that an investigation shall promptly be commenced by BellSouth.
- 12.7 Notification to BellSouth. BellSouth reserves the right to interview <<CUSTOMER NAME>>'s employees, agents, or contractors in the event of wrongdoing in or around BellSouth's property or involving BellSouth's or another CLEC's property or personnel, provided that BellSouth shall provide reasonable notice to <<CUSTOMER NAME>>'s Security contact of such interview. <<CUSTOMER NAME>> and its contractors shall reasonably cooperate with BellSouth's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving <<CUSTOMER NAME>>'s employees, agents, or contractors. Additionally, BellSouth reserves the right to bill <<CUSTOMER NAME>> for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is established and mutually agreed in good faith that <<CUSTOMER NAME>>'s employees, agents, or contractors are responsible for the alleged act. BellSouth shall bill <<CUSTOMER NAME>> for BellSouth property that is stolen or damaged where an investigation determines the culpability of <<CUSTOMER NAME>>'s employees, agents, or contractors and where <<CUSTOMER NAME>> agrees, in good faith, with the results of such investigation. <<CUSTOMER NAME>> shall notify BellSouth in writing immediately in the event that the CLEC discovers one of its employees already working on the BellSouth premises is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from BellSouth Premises, any employee found to have violated the security and safety requirements of this section. <<CUSTOMER NAME>> shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises.
- 12.8 Use of Supplies. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.
- 12.9 Use of Official Lines. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the

BellSouth Premises. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs. In no event shall <<CUSTOMER NAME>>, its agents, vendors or employees access BellSouth or any other CLEC's end user telephone lines.

- 12.10 Accountability. Full compliance with the Security requirements of this section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

13. Destruction of Remote Collocation Space

- 13.1 Remote Collocation Space is damaged. In the event a Remote Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for <<CUSTOMER NAME>>'s permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate this Attachment with respect to the affected Remote Collocation Space, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof with respect to such Remote Collocation Space. If the Remote Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for <<CUSTOMER NAME>>'s permitted use, or is damaged and the option to terminate is not exercised by either Party, BellSouth covenants and agrees to proceed promptly without expense to <<CUSTOMER NAME>>, except for improvements not the property of BellSouth, to repair the damage. BellSouth shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government regulations, strikes, walkouts, and causes beyond the control of BellSouth, which causes shall not be construed as limiting factors, but as exemplary only. <<CUSTOMER NAME>> may, at its own expense, accelerate the rebuild of its Remote Collocation Space and equipment provided however that a BellSouth Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a BellSouth Certified Vendor. If <<CUSTOMER NAME>>'s acceleration of the project increases the cost of the project, then those additional charges will be incurred by <<CUSTOMER NAME>>. Where allowed and where practical, <<CUSTOMER NAME>> may erect a temporary facility while BellSouth rebuilds or makes repairs. In all cases where the Remote Collocation Space shall be rebuilt or repaired, <<CUSTOMER NAME>> shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Remote Collocation Space for <<CUSTOMER NAME>>'s permitted use, until such Remote Collocation Space is fully repaired and restored and <<CUSTOMER NAME>>'s equipment installed therein (but in no event later than thirty (30) business days after the Remote Collocation Space is fully repaired and restored).

Where <<CUSTOMER NAME>> has placed a Remote Site Adjacent Arrangement pursuant to section 3.4, <<CUSTOMER NAME>> shall have the sole responsibility to repair or replace said Remote Site Adjacent Arrangement provided herein. Pursuant to this section, BellSouth will restore the associated services to the Remote Site Adjacent Arrangement.

14. Eminent Domain

- 14.1 Power of Eminent Domain. If the whole of a Remote Collocation Space or Remote Site Adjacent Arrangement shall be taken by any public authority under the power of eminent domain, then this Attachment shall terminate with respect to such Remote Collocation Space or Remote Site Adjacent Arrangement as of the day possession shall be taken by such public authority and rent and other charges for the Remote Collocation Space or Remote Site Adjacent Arrangement shall be paid up to that day with proportionate refund by BellSouth of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Remote Collocation Space or Remote Site Adjacent Arrangement shall be taken under eminent domain, BellSouth and <<CUSTOMER NAME>> shall each have the right to terminate this Attachment with respect to such Remote Collocation Space or Remote Site Adjacent Arrangement and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

15. Nonexclusivity

- 15.1 Attachment is not exclusive. <<CUSTOMER NAME>> understands that this Attachment is not exclusive and that BellSouth may enter into similar Attachments with other Parties. Assignment of space pursuant to all such Attachments shall be determined by space availability and made on a first come, first served basis.

16. Notices

- 16.1 Except as otherwise provided herein, any notices or demands that are required by law or under the terms of this Attachment shall be given or made by <<CUSTOMER NAME>> or BellSouth in writing and shall be given by hand delivery, or by certified or registered mail, and addressed to the parties as follows:

To BellSouth:
600 N. 19th Street
9th Floor
Birmingham, AL 35240
ATTN: CLEC Account Team

To <<CUSTOMER NAME>>:

ATTN:_____

- 16.2.1 Such notices shall be deemed to have been given in the case of certified or registered mail when deposited in the United States mail with postage prepaid.

17. Indemnity/Limitations of Liability

- 17.1 <<CUSTOMER NAME>> shall be liable for any damage to property, equipment or facilities or injury to person caused by the activities of <<CUSTOMER NAME>>, its agents or employees pursuant to, or in furtherance of, rights granted under this Attachment. <<CUSTOMER NAME>> shall indemnify and hold BellSouth harmless from and against any judgments, fees, costs or other expenses resulting or claimed to result from such activities by <<CUSTOMER NAME>>, its agents or employees.
- 17.2 BellSouth shall not be liable to <<CUSTOMER NAME>> for any interruption of <<CUSTOMER NAME>>'s service or for interference with the operation of <<CUSTOMER NAME>>'s communications facilities, or for any special, indirect, incidental or consequential damages arising in any manner, including BellSouth's negligence, out of the use of the Collocation Space(s) and <<CUSTOMER NAME>> shall indemnify, defend and hold BellSouth harmless from and against any and all claims, demands, causes of action, costs and reasonable attorneys' fees with respect to such special, indirect, incidental or consequential damages.

18. Publicity

- 18.1 <<CUSTOMER NAME>> agrees to submit to BellSouth all advertising, sales promotion, press releases, and other publicity matters relating to this Attachment or mentioning or implying the tradenames, logos, trademarks or service marks (hereinafter "Marks") of BellSouth Corporation and/or any of its affiliated companies or language from which the connection of said Marks therewith may be inferred or implied, or mentioning or implying the names of any personnel of BellSouth Corporation and/or any of its affiliated companies, and <<CUSTOMER NAME>> further agrees not to publish or use such advertising, sales promotions, press releases, or publicity matters without BellSouth's prior written consent.

19. Force Majeure

- 19.1 Neither party shall be in default by reason of any failure in performance of this Attachment, in accordance with its terms and conditions, if such failure arises out of causes beyond the control of the nonperforming party including, but not restricted to, acts of God, acts of government, insurrections, fires, floods, accidents, epidemics, quarantines, restrictions, strikes, freight embargoes,

inability to secure raw materials or transportation facilities, acts or omissions of carriers or any and all other causes beyond the party's control.

20. Assignment

- 20.1 <<CUSTOMER NAME>> acknowledges that this Attachment does not convey any right, title or interest in the Central Office to <<CUSTOMER NAME>>. This Attachment is not assignable by either party without the prior written consent of the other party, and any attempt to assign any of the rights, duties or obligations of this Attachment without such consent is void. Notwithstanding the foregoing, either party may assign any rights, duties or obligations of this Attachment to a parent, subsidiary or affiliate without the consent of the other party.

21. No Implied Waiver

- 21.1 No consent or waiver by either party to or of any breach of any covenant, term, condition, provision or duty of the other party under this Attachment shall be construed as a consent to or waiver of any other breach of the same or any other covenant, term, condition, provision or duty. No such consent or waiver shall be valid unless in writing and signed by the party granting such consent or waiver.

22. Governing Law

- 22.1 This Attachment shall be governed by, and construed and enforced in accordance with, the laws of the State of Tennessee, without regard to its conflict of laws principles.

23. Compliance with Laws

- 23.1 The Parties agree to comply with all applicable federal, state, and local laws, rules and regulations in the performance of this Attachment.

24. Resolution of Disputes

- 24.1 Except as otherwise stated in this Attachment, the Parties agree that if any dispute arises as to the interpretation of any provision of this Attachment or as to the proper implementation of this Attachment, the parties will petition the Commission in the state where the services are provided pursuant to this Attachment for a resolution of the dispute. However, each party reserves any

rights it may have to seek judicial review of any ruling made by the Public Service Commission concerning this Attachment.

25. Section Headings

- 25.1 The section headings used herein are for convenience only, and shall not be deemed to constitute integral provisions of this Attachment.

26. Authority

- 26.1 Each of the parties hereto warrants to the other that the person or persons executing this Attachment on behalf of such party has the full right, power and authority to enter into and execute this Attachment on such party's behalf and that no consent from any other person or entity is required as a condition precedent to the legal effect of this Attachment.

27. Review of Attachment

- 27.1 The parties acknowledge that each has had an opportunity to review and negotiate this Attachment and has executed this Attachment only after such review and negotiation. The Parties further agree that this Attachment shall be deemed to have been drafted by both BellSouth and <<CUSTOMER NAME>> and the terms and conditions contained herein shall not be construed any more strictly against one party or the other.

28. Filing of Attachment

- 28.1 Upon execution of this Attachment it shall be filed with the appropriate state regulatory agency pursuant to the requirements of section 252 of the Act. If the regulatory agency imposes any filing or public interest notice fees regarding the filing or approval of the Attachment, said costs shall be borne by <<CUSTOMER NAME>>.

29. Entire Attachment

- 29.1 This Attachment contains the full understanding of the Parties (superseding all prior or contemporaneous correspondence between the Parties) and shall constitute the entire Attachment between BellSouth and <<CUSTOMER NAME>> and may not be modified or amended other than by a written instrument signed by both parties. If any conflict arises between the terms and conditions contained in this Attachment and those contained in a filed tariff, the terms and conditions of this Attachment shall control.

IN WITNESS WHEREOF, the Parties have executed this Attachment by their duly authorized representatives in one or more counterparts, each of which shall constitute an original, on the day and year first above written.

BELLSOUTH TELECOMMUNICATIONS,
Company Name)
INC.

(<<CUSTOMER NAME>>'s Full

Authorized Signature

Authorized Signature

Print or Type Name

Print or Type Name

Title

Title

Date

Date

EXHIBIT A

Page 1 of 4

**ENVIRONMENTAL AND SAFETY
PRINCIPLES**

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

1. GENERAL PRINCIPLES

- 1.1 Compliance with Applicable Law. BellSouth and <<CUSTOMER NAME>> agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Attachment.
- 1.2 Notice. BellSouth and <<CUSTOMER NAME>> shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. <<CUSTOMER NAME>> should contact 1-800-743-6737 for BellSouth MSDS sheets.
- 1.3 Practices/Procedures. BellSouth may make available additional environmental control procedures for <<CUSTOMER NAME>> to follow when working at BellSouth Premises (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of BellSouth for environmental protection. <<CUSTOMER NAME>> will require its contractors, agents and others accessing the BellSouth Premises to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by CLEC when operating in the BellSouth Premises.
- 1.4 Environmental and Safety Inspections. BellSouth reserves the right to inspect the <<CUSTOMER NAME>> space with proper notification. BellSouth reserves the right to stop any <<CUSTOMER NAME>> work operation that

- imposes Imminent Danger to the environment, employees or other persons in the area or Facility.
- 1.5 Hazardous Materials Brought On Site. Any hazardous materials brought into, used, stored or abandoned at the BellSouth Premises by <<CUSTOMER NAME>> are owned by <<CUSTOMER NAME>>. <<CUSTOMER NAME>> will indemnify BellSouth for claims, lawsuits or damages to persons or property caused by these materials. Without prior written BellSouth approval, no substantial new safety or environmental hazards can be created by <<CUSTOMER NAME>> or different hazardous materials used by <<CUSTOMER NAME>> at BellSouth Facility. <<CUSTOMER NAME>> must demonstrate adequate emergency response capabilities for its materials used or remaining at the BellSouth Facility.
- 1.6 Spills and Releases. When contamination is discovered at a BellSouth Premises, the Party discovering the condition must notify BellSouth. All Spills or Releases of regulated materials will immediately be reported by <<CUSTOMER NAME>> to BellSouth.
- 1.7 Coordinated Environmental Plans and Permits. BellSouth and <<CUSTOMER NAME>> will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, BellSouth and <<CUSTOMER NAME>> will develop a cost sharing procedure. If BellSouth's permit or EPA identification number must be used, <<CUSTOMER NAME>> must comply with all of BellSouth's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.
- 1.8 Environmental and Safety Indemnification. BellSouth and <<CUSTOMER NAME>> shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on BellSouth's Premises, <<CUSTOMER NAME>> agrees to

comply with the applicable sections of the current issue of BellSouth's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. <<CUSTOMER NAME>> further agrees to cooperate with BellSouth to ensure that <<CUSTOMER NAME>>'s employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of BellSouth's Environmental M&Ps which apply to the specific Environmental function being performed by <<CUSTOMER NAME>>, its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from BellSouth.

ENVIRONMENTAL CATEGORIES	ENVIRONMENTAL ISSUES	ADDRESSED BY THE FOLLOWING DOCUMENTATION
Disposal of hazardous material or other regulated material (e.g., batteries, fluorescent tubes, solvents & cleaning materials)	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	• Std T&C 450 • Fact Sheet Series 17000 • Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Emergency response	Hazmat/waste release/spill firesafety emergency	• Fact Sheet Series 1700 • Building Emergency Operations Plan (EOP) (specific to and located on Premises)
Contract labor/outsourcing for services with environmental implications to be performed on BellSouth Premises (e.g., disposition of hazardous material/waste; maintenance of storage tanks)	Compliance with all applicable local, state, & federal laws and regulations Performance of services in accordance with BST's environmental M&Ps Insurance	• Std T&C 450 • Std T&C 450-B • (Contact E/S for copy of appropriate E/S M&Ps.) • Std T&C 660
Transportation of hazardous material	Compliance with all applicable local, state, & federal laws and regulations	• Std T&C 450 • Fact Sheet Series 17000

	federal laws and regulations Pollution liability insurance EVET approval of contractor	• Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Maintenance/operations work which may produce a waste Other maintenance work	Compliance with all application local, state, & federal laws and regulations Protection of BST employees and equipment	• Std T&C 450 • 29CFR 1910.147 (OSHA Standard) • 29CFR 1910 Subpart O (OSHA Standard)
Janitorial services	All waste removal and disposal must conform to all applicable federal, state and local regulations All Hazardous Material and Waste Asbestos notification and protection of employees and equipment	• P&SM Manager - Procurement • Fact Sheet Series 17000 • GU-BTEN-001BT, Chapter 3 • BSP 010-170-001BS (Hazcom)
Manhole cleaning	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	• Std T&C 450 • Fact Sheet 14050 • BSP 620-145-011PR Issue A, August 1996 • Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Removing or disturbing building materials that may contain asbestos	Asbestos work practices	• GU-BTEN-001BT, Chapter 3

3. DEFINITIONS

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management

and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

Imminent Danger. Any conditions or practices at a facility, which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

4. ACRONYMS

E/S – Environmental/Safety

EVET - Environmental Vendor Evaluation Team

DEC/LDEC - Department Environmental Coordinator/Local Department Environmental Coordinator

GU-BTEN-001BT - BellSouth Environmental Methods and Procedures

NESC - National Electrical Safety Codes

P&SM - Property & Services Management

Std. T&C - Standard Terms & Condition

MICROWAVE COLLOCATION

Where technically feasible, BellSouth will provide for physical collocation of the CLEC's microwave equipment on the roofs of BellSouth's Central Office Buildings. Such equipment will be limited to that necessary for interconnection of the CLEC's network facilities to BellSouth's network or access to BellSouth's unbundled network elements.

Microwave Collocation includes placement of supporting masts, non-penetrating roof mounts ("NPRM"), penetrating pipe stands, parapet mounts, and microwave antenna (e) on the roof top or other suitable exterior spaces of BellSouth's Central Offices and does not include the construction of towers. The CLEC may, upon request, place a Global Positioning System (GPS) antenna and cabling on the roof pursuant to Section 12 of this Attachment.

The Parties will work together to determine the preferable type of antenna mount reasonably considering such factors as permitting requirements, roof maintenance issues and any other relevant factors. If applicable, BellSouth will provide a copy of the original FAA air space studies on the requested building including the FAA license application. In the event an FAA air space study does not exist, the CLEC may file an FAA air space study on the building where the microwave arrangement is being requested. BellSouth shall have final approval of the type of antenna mount. The Parties agree that the elements listed below reflect requirements for Microwave Collocation, which shall be provided in accordance with the rates, terms and conditions set forth below. The Parties acknowledge that Microwave Collocation requires unobstructed line-of-sight. Unobstructed line-of-sight will be provided by BellSouth where technically feasible but is not guaranteed to be available. The CLEC accepts the responsibility of determining unobstructed line-of-sight at any location where The CLEC applies for Microwave Collocation.

1. PROVISIONING PROCESS AND FEES

A. Initial Site Visit

The CLEC will provide a Site Visit Request to BellSouth, in writing, setting forth the names of the BellSouth Central Office Buildings(s) the CLEC wishes to visit for potential Microwave Collocation. Such site visit consists of the CLEC's representatives and appropriate BellSouth personnel visiting a BellSouth Central Office building for the purpose of determining whether an unobstructed line-of-sight is technically feasible. The CLEC will be responsible for making an unobstructed line-of-sight determination. Such Site Visit does not obligate the CLEC to request, or BellSouth to provide, Microwave Collocation on the site. The site visit will take place within fifteen (15) business days of receipt by BellSouth of the CLEC's Site Visit Request or as soon thereafter as can be scheduled by the Parties.

The CLEC will submit a Site Visit Request Fee as specified in Exhibit B, and will pay for the reasonable cost BellSouth incurs for travel, if necessary which BellSouth shall provide the CLEC advance notice of, for each site requested with each Site Visit not to exceed two hours. Charges for site visits that take longer than two (2) hours will be charged by BellSouth to the CLEC at BellSouth's loaded labor rates on a per hour basis in addition to the Site Visit Request Fee. BellSouth will make every effort possible to use resources near the requested location to minimize travel required. If BellSouth determines that airline travel is required, BellSouth will contact the CLEC in an effort to discuss possible alternatives.

B. Microwave Collocation Application

This provision shall coincide with provisions under Section 6 and 7 of Attachment 4 of this Agreement.

BellSouth will respond to Microwave Collocation Application(s) pursuant to Section 6 of Attachment 4 of this Agreement.

The CLEC shall submit the Application and Inquiry document and appropriate collocation application fee pursuant to BellSouth's FCC #1, Section 20 tariff (for virtual) or Section 7 of Attachment 4 of this Agreement, in addition to a Microwave Collocation Attachment for each central office building where the CLEC seeks Microwave Collocation. This application and fees will apply both to space on the roof as well as space inside the BellSouth central office.

The CLEC shall provide BellSouth with the following data on the application to the extent available recognizing that certain information may change depending on the final determination of the location providing line of sight:

- • Type of antenna mount (pipe, NPRM)
- • Type of equipment to be collocated within the CLEC's case (vendor, capacity)
- • Line of sight requirements (Azimuth)
- • Relevant information includes: Station Name, Call Sign, Latitude and Longitude in NAD 83, Primary Antenna Type, Equipment Type, Equipment Emission, Power (dBm/Watts), Receive Level (dBm), EIRP (dBm/Watts), Transmit Frequency (MHz)
- • Weight and configuration
- • Other relevant information as identified at the initial site visit.

Roof Inspection: BellSouth may require a roof inspection at any site where the CLEC requests Microwave Collocation. The CLEC will bear the reasonable cost of the inspection including reasonable travel cost if any. BellSouth intends to use an independent contractor which may be accompanied by BellSouth personnel. The roof inspection fee shall be assessed on an individual case basis unless negotiated as a flat rate by the Parties. Such Roof Inspection does not obligate BellSouth to provide Microwave Collocation on the site.

If BellSouth concludes that rooftop/exterior space which provides the CLEC with unobstructed line-of-sight does not appear to be technically feasible, BellSouth will provide the CLEC a written explanation of such technical infeasibility within thirty (30) business days of BellSouth's receipt of the collocation application including those cases where BellSouth's known business plans provide for or include an addition to the building which would impact the line of sight. This explanation will be included in the response to the CLEC's application.

Escorted access to the roof will be provided as necessary by BellSouth pursuant to sub-Section 7.5 of Attachment 4 of this Agreement.

BellSouth or its designated subcontractors shall perform all necessary work associated with the Microwave Collocation arrangement involving power and building modifications unless otherwise agreed to by the Parties. All work performed shall be done by a BellSouth certified vendor as referenced in provision 6.8 of Attachment 4 of this Agreement unless the Parties agree that another certified vendor will be used. The Parties acknowledge that the CLEC may become a certified vendor.

If rooftop/exterior space is available BellSouth shall provide the CLEC an estimate for such microwave collocation as described more fully in provision 1.C at the same time BellSouth provides its interior collocation space quote.

C. Preparation of Estimate / Application Response

Within thirty (30) business days of receiving from the CLEC a single complete and accurate Application and Inquiry document, BellSouth will provide, as more fully described below, an estimate including an estimate for the Monthly Recurring Charges pursuant to the rates and terms set forth in BellSouth's FCC #1, Section 20 tariff for virtual collocation, or in Exhibit 4C of this Agreement.

The estimate shall reflect the specifications submitted by the CLEC and may change based on the actual field conditions encountered during construction.

- (a) The Estimate /Application Response shall set forth separate estimated charges for the following work related to the installation of the Microwave Antenna Arrangement.

(i) **Architectural Plan and Structural Review:**

This shall be the reasonable sum of hourly charges of BellSouth Architects or its contractors necessary to review the plans for the Microwave Collocation Arrangement. This will include applicable consulting charges and fees for reviewing permitting material and/or assisting the CLEC in the permitting process to the extent required.

(ii) **Permitting Review:**

This shall be the sum of the hourly charges of BellSouth Property and Services Management and/or Project Managers whose time was reasonably necessary and actually spent reviewing permitting material and/or assisting the CLEC in the permitting process. BellSouth shall have final approval authority on all proposed conditions, (which shall not be unreasonably withheld) imposed by relevant jurisdictions and BellSouth shall have the right to be represented at all hearings in connection with governmental approvals.

(iii) **Exterior (and Related Interior) Building Modification Work:**

BellSouth will include a quote for BellSouth to perform coring within the Central Office, roof strengthening or any other exterior or related interior building modification that may be required.

(iv) **Supervision of General Contractor:**

This shall be the reasonable sum of the hourly charges, if necessary, of any BellSouth Property and Services Management personnel, Consultants, or Project Managers who monitor the Microwave Antenna Support Structure installation performed by the CLEC's contractor. The level of BellSouth's personnel or consultants shall be commensurate with the requirements for supervising the project and monitoring construction.

(v) **Special Security Construction:**

If BellSouth demonstrates that new secure access to the Microwave Collocation location is reasonably necessary, the costs associated with the construction of such access shall be

described on a separate schedule to be provided by BellSouth to the CLEC.

(b) **Recurring Charges**

These consist of:

(i) Monthly Recurring Roof-Top Space Rental Fee:

The Monthly Recurring Roof-Top Space Rental Fee shall be on a per square foot basis with a minimum of 12 square feet per microwave arrangement as set forth in this Attachment in Exhibit B. The CLEC is limited building and structural support constraints for determining the number of antenna (e) which can be placed on a roof mount, pipe stand, or parapet mount. The diameter of the microwave antenna (e) will be subject to a height limitation of twenty (20) feet above the building or point of attachment, subject to line-of-sight, safety, and structural engineering guidelines, (e.g., weight, wind load). Such equipment will be subject to a structural analysis to be performed by a BellSouth Certified Structural Engineer at the CLEC's sole expense, to ensure that the equipment does not overload the building structure. If any structural reinforcement is required in order to accommodate the placement of the requested diameter and height of such microwave antennae, the CLEC will not be allowed to place such microwave antenna (e). The CLEC agrees that the height of the structure will be no greater than the minimum required to accommodate line of sight requirements. At no time shall an antenna (e) be directed across open roof space without approval of BellSouth which shall not be unreasonably withheld.

The billing for the Rooftop Space Rental Fee shall begin the date the interior and rooftop space preparation activities are complete and the space is made available to the CLEC, or the date the CLEC first begins the Rooftop microwave equipment installation, whichever is sooner. BellSouth will work with the CLEC to avoid unreasonable time differences between the completion of rooftop space preparation and interior collocation space construction.

All estimates shall be valid for thirty (30) days from issuance, and the CLEC shall accept, reject or request changes within such time period, unless an extension is requested in writing by the CLEC and agreed to by BellSouth. Such extension will not exceed thirty (30) days unless otherwise agreed to by the parties. To

accept an estimate, the CLEC shall so state in writing and shall pay BellSouth 50% of the total estimated charges ("Initial Payment") with the balance of the actual charges due upon completion of the Microwave Collocation area and any necessary supporting electrical or building modification work. Payment requirements will be commensurate with Section 7.1 of Attachment 4 of this Agreement.

D. Pre-Design Meeting

Unless otherwise agreed to by the Parties, a joint planning meeting or other method of joint planning between BellSouth and the CLEC will commence within a maximum of 15 business days from BellSouth's receipt of a Bona Fide Firm Order and the payment of agreed upon fees. At such meeting, the Parties will agree to the preliminary design of the Microwave Collocation Space and the equipment configuration requirements as reflected in the Application and affirmed in the Bona Fide Firm Order. The Collocation Space Completion time period will be provided to the CLEC during the joint planning meeting or as soon as possible thereafter. BellSouth will complete all design work following the joint planning meeting. This will be the same meeting that takes place for the interior collocation arrangement.

E. Equipment and Testing:

The CLEC shall be responsible for providing, at its sole expense, the antenna (e), coaxial cable, brackets, connectors, support structure, grounding and bonding materials, and weather-proofing materials for such support structure or antenna (e) required for the Microwave Collocation. The CLEC shall also be solely responsible for final adjustments (e.g., pointing) of the antenna (e).

F. Use Permits:

The CLEC shall be responsible for obtaining all relevant Use Permits (Ups) and shall bear all costs and fees. The CLEC shall regularly apprise BellSouth of the status of such permitting and consult with BellSouth as reasonably necessary.

2. NO PROPERTY RIGHT CONFERRED

Notwithstanding anything contained herein to the contrary, Microwave Collocation shall not confer or be deemed to confer any property interest or right in BellSouth's property, and the CLEC hereby acknowledges that the rights conferred hereunder shall constitute merely a non-exclusive license to use a portion of BellSouth's property solely for the purposes set forth herein. A limit of two (2) the CLEC Microwave Collocation arrangements per Central Office will be permitted unless otherwise agreed to by the Parties.

Title to the CLEC's Microwave Collocation equipment shall remain in the CLEC as the property of the CLEC and shall not become fixtures to BellSouth's property.

3. RESPONSIBILITY OF THE PARTIES

- A. The CLEC shall obtain and BellSouth will provide assistance as necessary to obtain any and all applicable and necessary permits, variances, licenses, approvals and authorizations from the governmental agencies with jurisdiction, including without limitation, use permits and buildings permits. FCC licenses and FAA approval, if required, to operate and maintain the CLEC's facilities during the Term of this Agreement.
- B. Where BellSouth performs any of the work pursuant to the quotes set forth in 1.C.(2)(a), BellSouth shall select the architect, engineers, surveyors, contractors, suppliers, consultants and subcontractors which may be necessary to develop plans, furnish materials and equipment, and perform construction work. BellSouth shall manage all such work in accordance with the plans and specifications approved by the Parties, all applicable laws, codes and regulations, and shall require that all contractors perform their work in a good workmanlike manner. BellSouth shall require that all BellSouth Contractors include the CLEC as an ADDITIONAL INSURED to any policies of insurance maintained by the Contractor for purposes of the work, and shall indemnify the CLEC from losses, costs and expenses incurred as a result of contractor's work. The CLEC hereby acknowledges and agrees that BellSouth shall not be liable for the work performed, material, supplies, or work products furnished by any contractor, and that the CLEC shall look solely to the contractor and any warranties, indemnification or insurance furnished by such Contractor, waiving and releasing BellSouth from any claim or liability therefrom except to the extent of the negligence or willful misconduct of BellSouth in the performance of its project management activities.
- C. Notwithstanding any other provision of this Attachment, the CLEC hereby acknowledges that BellSouth may have existing wireless communications facilities of its own or of other tenants or licensees on or at BellSouth's Central Office, and/or BellSouth may desire from time to time throughout the term of this Agreement to enter into agreements with other wireless communications providers for the installation, operation and maintenance of communications facilities on or at BellSouth's Property ("Other Wireless Carriers"). The CLEC shall cooperate with BellSouth and all Other Wireless Carriers so as to reasonably accommodate the needs and requirements of such Other Wireless Carriers with respect to the installation, operation, use and maintenance of their equipment and facilities, and all necessary alterations, modifications and other improvements to BellSouth's property, including utility connections and access. Subject to ownership of any exclusive frequency rights, the CLEC's facilities shall not physically, electronically, or inductively interfere with the existing BellSouth or

other customers' or tenants' existing facilities. Each transmitter individually and all transmitters collectively at a given location shall comply with appropriate federal, state, and/or local regulations governing the safe levels of RF radiation. The foregoing obligations shall apply equally to all Other Wireless Carriers.

- D. In the event the CLEC desires to relocate any of its then-existing Microwave Collocation facilities to a different place on the relevant BellSouth Central Office rooftop, the CLEC shall submit a new application with fee to BellSouth specifying the new location the CLEC proposes to occupy. If the relocation does not require BellSouth to expend capital, then a Subsequent Application fee will apply as covered in Exhibit A.
- E. BellSouth shall, within thirty (30) business days of receipt of a complete application, approve such relocation or describe, in writing, why such relocation is not technically feasible.
- F. The CLEC's Insurance Obligations

Pursuant to Section 8 of Attachment 4 of this Agreement.

- G. At its sole cost and expense, the CLEC shall maintain the CLEC's Microwave equipment, including without limitation, all necessary repairs, replacements and restorations. In addition, the CLEC shall keep its Microwave Collocation space in a good, neat, sanitary and workmanlike condition. If the CLEC shall fail to keep its Microwave Collocation space in such workmanlike condition after ten (10) days written notice from BellSouth, BellSouth shall have the right but not the obligation to clean up the space on the CLEC's behalf. In such event, the CLEC shall be liable to BellSouth for the reasonable and demonstrable cost of such work.

4. SECURE ACCESS

Pursuant to Section 11 of Attachment 4 of this Agreement.

5 CABLE PROVISIONING

The CLEC is responsible for providing, running, and maintaining the cable from the radio frequency (RF) equipment to the collocation cage through the use of a BellSouth Certified Vendor. The Parties will discuss the proposed point of entrance in an attempt to mutually agree upon a point of entrance provided, however, that it will be in BellSouth's final discretion to designate the point of entrance of the cable from the roof into the BellSouth Central Office building. BellSouth will be responsible for providing any necessary cable support structure at a rate indicated in Exhibit B. A BellSouth consultant must approve how the cable will be run.

6. LINE OF SIGHT

BellSouth will manage roof space on a first-come /first-served basis. BellSouth will work cooperatively with the CLEC in determining suitable space for the CLEC equipment. Once the parties mutually determine an initial location which provides for line of sight pursuant to 1c) above, the CLEC is guaranteed a clear line of sight from the antenna mount and the edge of BellSouth's roof line. If BellSouth requires a building enhancement modification or through the placement of additional equipment obstructs the CLEC's existing line of sight, BellSouth will work with the CLEC to move the antenna mount or raise the height of the antenna mount for a clear line of sight prior to the obstruction occurring. The costs of this modification will be borne by BellSouth.

If a third party elects to place equipment on the roof that obstructs an existing line of sight, the third party application will be denied unless all three parties mutually agree to move an existing arrangement to allow for a clear line of sight. The costs of this application will be borne by the third party.

7. ANTENNA MODIFICATIONS

The CLEC is limited to building and structural support constraints for determining the number of antenna (e) which can be placed on a roof mount, pipe stand, or parapet mount. The CLEC must submit an application with a fee before adding additional equipment to the microwave collocation space or to move equipment outside of designated space. The CLEC may not construct improvements or make Major Alterations to its rooftop space or microwave transmission facilities without prior written approval from BellSouth, which will not be unreasonably withheld. BellSouth shall respond to any single request (application) within thirty (30) business days. "Major Alterations" shall include but not be limited to: (i) additional construction by the CLEC of support equipment within its rooftop space, (ii) any modification to the rooftop space. "Major Alterations" shall not include (i) replacement of mounted equipment with like-sized and weight or smaller mounted equipment or similar functionality, (ii) routine repairs and maintenance to such microwave transmission facilities. Additional equipment or movement of existing equipment will require a new application and application fee. Anything outside of normal maintenance may require a subsequent application fee as indicated in Exhibit 4C of Attachment 4 of this Agreement.

8. USE OF ANTENNA SPACE ON OTHER BELL SOUTH TOWERS

Requirements for antenna space on existing towers that are not part of a BellSouth central office will be handled through BellSouth's Master Licensing Process.

9. EQUIPMENT REMOVAL

If, at any time, BellSouth reasonably determines that any of the CLEC's facilities or equipment or the installation of the CLEC's facilities or equipment does not meet the requirements outlined in this Agreement, the CLEC will be responsible for the costs associated with the removal of such facilities or equipment or modification of the facilities or equipment or installation thereof to render it compliant. The removal of equipment must be done by a BellSouth Certified Vendor unless the Parties agree that another certified vendor can be used. If the CLEC fails to correct any non-compliance with these standards or fails to demonstrate that the equipment is compliant within thirty (30) days' written notice to the CLEC, BellSouth may have the facilities or equipment removed or the condition corrected at the CLEC's expense. Removal of Microwave Collocation equipment shall be pursuant to provision 4.3 in the Collocation Agreement.

10. NATURE OF USE

The CLEC equipment must comply with BellCore Network Equipment Building System (NEBS) Requirements, Electromagnetic Compatibility and Electrical Safety Generic Criteria for Network Telecommunication Equipment (TR-NWT-001089), and FCC OET Bulletin 65 dated 08/97. Requirements of provision 5.1 of the Collocation Agreement also apply. The operation of the CLEC's microwave equipment shall comply with all applicable federal and state RF guidelines.

11. POWER REQUIREMENTS FOR MICROWAVE ARRANGEMENT

BellSouth will not provide power or environmental support to the roof space. If BellSouth agrees in response to a specific request by the CLEC to provide power or environmental support to the roof space, the CLEC will bear all associated costs as specified by BellSouth to provide such services. In such case requirements set forth in provision 7.4 of Attachment 4 of this Agreement will apply.

12. GROUNDING AND BONDING

The CLEC at its expense will insure that any microwave equipment or Global Positioning System equipment placed on the rooftop collocation space or in the building shall be grounded and bonded according to BellSouth standards which shall be at a minimum consistent with industry standards. BellSouth agrees to provide its best efforts to approve the standard grounding runs placed in the building and that grounding and bonding requirements shall be applied at parity to itself and other interconnectors for similar types of equipment.

13. COLLOCATION AGREEMENT PROVISIONS

Any provision provided specifically herein shall be in addition to applicable provisions in the Collocation Agreement.

**MICROWAVE COLLOCATION RATE ELEMENT DEFINITIONS AND
CONDITIONS**

Non-recurring charges - Relating to Microwave Roof Equipment

1) **Microwave Preparation Fees**

Architectural Plan and Structural Review
Permitting Review
Exterior and Related Interior Building Modification Work
General Contractor Supervision
Special Security Construction

2) **Coring/Cable Support Structure**

Electrical and Building modification work for coring
Weather Proofing
Cable Support Structure

3) **Roof Preparation (if applicable)**

Engineering Study (To develop roof preparation alternatives/costs)

4) **Escort - charge for access to roof**

Charge for access to Roof

5) **Roof Penetration (if required)**

Recurring charges - Relating to Microwave Roof Equipment

1) **Roof Space Lease Charge**

Monthly rate for leasing rooftop or other suitable exterior space on BellSouth CO on a per square foot basis.

MICROWAVE COLLOCATION RATES**Non-recurring charges***

- | | |
|--|-------------------------------------|
| 1) Site Visit Request Fee (2 hours) | \$250.00 Per Site Visit for each CO |
| 2) Microwave Prep fee | [ICB FOR EACH CO] |
| 3) Coring/Cable Support Structure | [ICB FOR EACH CO] |
| 4) Roof Preparation/Exterior Cable Support Structure | [ICB FOR EACH CO] |
| 5) Microwave Installation | [ICB FOR EACH CO] |
| 6) Additional Charges** | [BASED ON ICB] |

* With the exception of Additional Charges, all Non-recurring Charges shall be assessed on an interim basis subject to true up based on a BellSouth cost study to determine the appropriate cost for such activities.

** Additional costs for environmental conditioning (if applicable) will be developed and charged as an ICB. These charges include but are not limited to (to the extent applicable): exterior cable support structure; coring; and roof reinforcement. These costs along with the building Modification costs will be pro-rated back to existing customers when new applicants are put into service.

Monthly recurring rates*

- | | |
|-------------------------------|---------|
| 1) Roof space (per sq. ft.)** | \$ 5.50 |
|-------------------------------|---------|

* All Recurring rates shall be assessed on an interim basis subject to true up based on a BellSouth cost study to determine the appropriate cost for such activities.

** A minimum of 12 square feet is required per microwave arrangement.

ATTACHMENT 5

ACCESS TO NUMBERS AND NUMBER PORTABILITY

TABLE OF CONTENTS

1. NON-DISCRIMINATORY ACCESS TO TELEPHONE NUMBERS	3
2. NUMBER PORTABILITY PERMANENT SOLUTION	3
3. SERVICE PROVIDER NUMBER PORTABILITY	4
4. SPNP IMPLEMENTATION.....	5
5. OPERATIONAL SUPPORT SYSTEM (OSS) RATES	12

ACCESS TO NUMBERS AND NUMBER PORTABILITY

1. NON-DISCRIMINATORY ACCESS TO TELEPHONE NUMBERS

- 1.1 During the term of this Agreement, where <<customer_name>> is utilizing its own switch, <<customer_name>> shall contact the North American Numbering Plan Administrator, Neustar, for the assignment of numbering resources. In order to be assigned a Central Office Code, <<customer_name>> will be required to complete the Central Office Code (NXX) Assignment Request and Confirmation Form (Code Request Form) in accordance with Industry Numbering Committee's Central Office Code (NXX) Assignment Guidelines (INC 95-0407-008).
- 1.2 Where BellSouth is providing local switching, <<customer_name>> may utilize BellSouth's telephone numbers. BellSouth will provide <<customer_name>> with on line access to telephone numbers on a first come first served basis. Assignment, reservation and use of telephone numbers shall be governed by applicable FCC rules and regulations.
- 1.3 <<customer_name>> acknowledges that there may be instances where there is a shortage of telephone numbers in a particular Common Language Location Identifier Code (CLLIC); and in such instances, <<customer_name>> shall return numbers to BellSouth upon BellSouth's request. BellSouth shall make all such requests on a nondiscriminatory basis.

2. NUMBER PORTABILITY PERMANENT SOLUTION

- 2.1 The Parties will offer local number portability in accordance with rules, regulations and guidelines adopted by the Commission, the FCC and industry fora. Interim Service Provider Number Portability (SPNP) will be available only in those end offices where no carrier has requested implementation of permanent local number portability (PNP). Once PNP is implemented in an end office pursuant to the request of a carrier, both Parties must withdraw their SPNP offerings. The transition from existing SPNP arrangements to PNP shall occur within ninety (90) days from the date PNP is implemented in the end office. Neither Party shall charge the other Party for conversion from SPNP to PNP.
- 2.2 End User Line Charge. Where <<customer_name>> subscribes to BellSouth's local switching, BellSouth shall bill and <<customer_name>> shall pay the end user line charge associated with implementing PNP as set forth in BellSouth's FCC Tariff No. 1. This charge is not subject to the resale discount set forth in Attachment 1 of this Agreement.
- 2.3 To limit service outage, BellSouth and <<customer_name>> will adhere to the process flows and cutover guidelines for porting numbers as outlined in the LNP

Reference Guide, as amended from time to time. The LNP Reference Guide, incorporated herein by reference, is accessible via the Internet at the following site: <http://www.interconnection.bellsouth.com>. All intervals referenced in the LNP Reference Guide shall apply to both BellSouth and <<customer_name>>.

- 2.4 The Parties will set Local Routing Number (LRN) unconditional or 10-digit triggers where applicable. Where triggers are set, the porting Party will remove the ported number at the same time the trigger is removed.
- 2.5 A trigger order is a service order issued in advance of the porting of a number. A trigger order 1) initiates call queries to the AIN SS7 network in advance of the number being ported; and 2) provides for the new service provider to be in control of when a number ports.
- 2.6 Where triggers are not set, the Parties shall coordinate the porting of the number between service providers so as to minimize service interruptions to the end user.
- 2.7 BellSouth and <<customer_name>> will work cooperatively to implement changes to PNP process flows ordered by the FCC or as recommended by standard industry forums addressing PNP.

3. SERVICE PROVIDER NUMBER PORTABILITY

- 3.1 Where PNP has not been implemented in an end office, the Parties shall provide SPNP. SPNP is a service arrangement whereby an end user who switches subscription of his local exchange service from BellSouth to a CLEC, or vice versa, is permitted to retain the use of his existing assigned telephone number, provided that the end user remains at the same location for his local exchange service or changes locations and service providers but stays within the same BellSouth local calling area of his existing number. Except as otherwise expressly provided herein, SPNP is available only where the local exchange carrier is currently providing basic local exchange service to the end user. SPNP for a particular assigned telephone number will be disconnected when any end user, Commission, BellSouth, or CLEC initiated activity (e.g., a change in exchange boundaries) would normally result in a telephone number change had the end user retained his initial local exchange service.
- 3.2 Methods of Providing SPNP. SPNP is available through either remote call forwarding, direct inward dialing trunks, or route-indexing, portability hub. Remote call forwarding (SPNP-RCF) is an existing switch-based service that redirects calls within the telephone network. Direct inward dialing trunks (SPNP-DID) allow calls to be routed over a dedicated facility to the switch that serves the subscriber. Route-Indexing, Portability Hub (RI-PH) will route a dialed call to the BellSouth switch associated with the NXX of the dialed number.

3.3 Signaling Requirements. SS7 Signaling is required for the provision of SPNP services.

3.4 Rates

3.4.1 Rates for SPNP are set out in Exhibit B to Attachment 2, incorporated herein by this reference. If no rate is identified in the Attachment, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

4. SPNP IMPLEMENTATION

4.1 SPNP-RCF is a telecommunications service whereby a call dialed to an SPNP-RCF equipped telephone number is automatically forwarded to an assigned seven- or ten- digit telephone number within the local calling area as defined in BellSouth's General Subscriber Services Tariff. The forwarded-to number shall be specified by <<customer_name>> or BellSouth, as appropriate. The forwarding Party will provide identification of the originating telephone number, via SS7 signaling, to the receiving Party. Identification of the originating telephone number to the SPNP-RCF end user cannot be guaranteed, however. SPNP-RCF provides a single call path for the forwarding of no more than one call to the receiving Party's specified forwarded-to number. Additional call paths for the forwarding of multiple simultaneous calls are available on a per path basis at rates as outlined in Exhibit B of Attachment 2.

4.2 SPNP-DID service provides trunk side access to end office switches for direct inward dialing to the other Party's premises equipment from the telecommunications network to lines associated with the other Party's switching equipment and must be provided on all trunks in a group arranged for inward service. SPNP-DID is available from BellSouth on a per DS0, DS1 or DS3 basis. A SPNP-DID trunk termination charge, provided with SS7 Signaling only, applies for each trunk voice grade equivalent. In addition, direct facilities are required from the end office where a ported number resides to the end office serving the ported end user customer. The rates for a switched local channel and switched dedicated transport apply as contained in BellSouth's Intrastate Access Services tariff, as amended from time to time. Transport mileage will be calculated as the airline distance between the end office where the number is ported and the Point of Interface ("POI") using the V&H coordinate method. SPNP-DID must be established with a minimum configuration of two channels and one unassigned telephone number per switch, per arrangement for control purposes. Transport facilities arranged for SPNP-DID may not be mixed with any other type of trunk group, with no outgoing calls placed over said facilities. SPNP-DID will be provided only where such facilities are available and where the switching equipment of the ordering Party is properly equipped. Where SPNP-DID service is required from more than one wire center or from separate trunk

groups within the same wire center, such service provided from each wire center or each trunk group within the same wire center shall be considered a separate service. Only customer-dialed sent-paid calls will be completed to the first number of a SPNP-DID number group; however, there are no restrictions on calls completed to other numbers of a SPNP-DID number group. Sent-paid calls refer to those calls placed by an end user who physically deposits currency in a public telephone. Interface group arrangements provided for terminating the switched transport at the Party's terminal location are as set forth in of BellSouth's Intrastate Access Services Tariff, § E6.1.3.A as amended from time to time.

- 4.3 SPNP-DID Service requires ordering consecutive telephone numbers in blocks of twenty. <<customer_name>> may order non-consecutive telephone numbers or telephone numbers in less than blocks of twenty pursuant to BellSouth's tariffs.
- 4.4 BellSouth shall provide RI-PH on an individual telephone number basis. BellSouth's switch shall insert a prefix onto the dialed number that identifies how the call is to be routed to <<customer name>>. The prefixed dialed number is then transmitted to the BellSouth tandem switch and the dialed number is routed to <<customer name>>'s switch so that the routing of the call can be completed by <<customer name>>. Should BellSouth determine a more efficient manner of performing this function, it may proceed in that manner. RI-PH may use, where technically feasible, the same trunks as those used for exchange of other local traffic with BellSouth. The trunks shall employ SS7 signalling.
- 4.5 The calling Party shall be responsible for payment of the applicable charges for sent-paid calls to the SPNP number. For collect, third-party, or other operator-assisted non-sent paid calls to the ported telephone number, BellSouth or <<customer_name>> shall be responsible for the payment of charges under the same terms and conditions for which the end user would have been liable for those charges. Either Party may request that the other block collect and third party non-sent paid calls to the SPNP-assigned telephone number. If a Party does not request blocking, the other Party will provide itemized local usage detail for the billing of non-sent paid calls on the monthly bill of usage charges provided at the individual end user account level. The detail will include itemization of all billable usage. Each Party shall have the option of receiving this usage data on a daily basis via a data file transfer arrangement. This arrangement will utilize the existing industry uniform standard, known as EMI standards, for exchange of billing data. Files of usage data will be created daily for the optional service. Usage originated and recorded in the sending BellSouth RAO will be provided in unrated or rated format, depending on processing system. <<customer_name>> usage originated elsewhere and delivered via CMDS to the sending BellSouth RAO shall be provided in rated format.
- 4.6 The new service provider shall be responsible for obtaining authorization from the end user for the handling of the disconnection of the end user's service, the provision of new local service and the provision of SPNP services. Each Party shall be responsible for coordinating the provision of service with the other to assure that its switch is capable of accepting SPNP ported traffic. Each Party shall

be solely responsible to ensure that its facilities, equipment and services do not interfere with or impair any facility, equipment, or service of the other Party or any of its end users. In the event that either Party determines in its reasonable judgment that the other Party will likely impair or is impairing, or interfering with any equipment, facility or service or any of its end users, that Party may either refuse to provide SPNP service or may terminate SPNP service to the other Party after providing appropriate notice.

- 4.7 Each Party shall be responsible for providing an appropriate intercept announcement service for any telephone numbers subscribed to SPNP-DID services for which it is not presently providing local exchange service or terminating to an end user. Where either Party chooses to disconnect or terminate any SPNP service, that Party shall be responsible for designating the preferred standard type of announcement to be provided.
- 4.8 End-to-end transmission characteristics may vary depending on the distance and routing necessary to complete calls over SPNP facilities and the fact that another carrier is involved in the provisioning of service. Neither Party shall specify end-to-end transmission characteristics for SPNP calls.
- 4.9 Where SPNP-RCF is utilized for SPNP, for terminating IXC traffic ported to either Party which requires use of either Party's tandem switching, the tandem provider will bill the IXC tandem switching, the interconnection charge, and a portion of the transport, and the other Party will bill the IXC local switching, the carrier common line and a portion of the transport. If the tandem provider is unable to provide the necessary access records to permit the other Party to bill the IXC directly for terminating access to ported numbers, then the tandem provider will bill the IXC full terminating switched access charges at the tandem provider's rate and will compensate the other Party at the tandem Party's tariff rates via a process used by BellSouth to estimate the amount of ported switched access revenues due the other Party. If an intraLATA toll call is delivered, the delivering Party will pay terminating access rates to the other Party.

5. OPERATIONAL SUPPORT SYSTEM (OSS) RATES

- 5.1 The terms, conditions and rates for OSS are as set forth in Attachment 2.

Attachment 6

**Pre-Ordering, Ordering and Provisioning,
Maintenance and Repair**

TABLE OF CONTENTS

1. QUALITY OF PRE-ORDERING, ORDERING AND PROVISIONING, MAINTENANCE AND REPAIR.....3

2. ACCESS TO OPERATIONS SUPPORT SYSTEMS.....3

3. MISCELLANEOUS ORDERING AND PROVISIONING GUIDELINES.....5

PRE-ORDERING, ORDERING AND PROVISIONING, MAINTENANCE AND REPAIR

1. QUALITY OF PRE-ORDERING, ORDERING AND PROVISIONING, MAINTENANCE AND REPAIR

1.1 BellSouth shall provide pre-ordering, ordering and provisioning and maintenance and repair services to <<customer_name>> that are equivalent to the pre-ordering, ordering and provisioning and maintenance and repair services BellSouth provides to itself or any other CLEC, where technically feasible. The guidelines for pre-ordering, ordering and provisioning and maintenance and repair are set forth in the various guides and business rules, as appropriate, and as they are amended from time to time during this Agreement. The guides and business rules are found at <http://www.interconnection.bellsouth.com> and are incorporated herein by reference.

1.2 For purposes of this Agreement, BellSouth's regular working hours for provisioning are defined as follows:

Monday – Friday – 8:00 a.m. – 5:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated,
coordinated orders and order
coordinated-time specific)
Saturday - 8:00 a.m. – 5:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated
orders)

1.2.1 The above hours represent the hours, either Eastern or Central Time, of where the physical work is being performed.

1.2.2 To the extent <<customer_name>> requests provisioning of service to be performed outside BellSouth's regular working hours, or the work so requested requires BellSouth's technicians to work outside regular working hours, overtime billing charges shall apply. Notwithstanding the foregoing, if such work is performed outside of regular working hours by a BellSouth technician during his or her scheduled shift and BellSouth does not incur any overtime charges in performing the work on behalf of <<customer_name>>, BellSouth will not assess <<customer_name>> additional charges beyond the rates and charges specified in this Agreement.

2. ACCESS TO OPERATIONS SUPPORT SYSTEMS

2.1 BellSouth shall provide <<customer_name>> access to operations support systems ("OSS") functions for pre-ordering, ordering and provisioning, maintenance and repair, and billing. BellSouth shall provide access to the OSS through manual and/or electronic interfaces as described in this Attachment. It is

the sole responsibility of <<customer_name>> to obtain the technical capability to access and utilize BellSouth's OSS interfaces. Specifications for <<customer_name>>'s access and use of BellSouth's electronic interfaces are set forth at www.interconnection.bellsouth.com and are incorporated herein by reference.

- 2.1.1 Pre-Ordering. In accordance with FCC and Commission rules and orders, BellSouth will provide electronic access to the following pre-ordering functions: service address validation, telephone number selection, service and feature availability, due date information, customer record information and loop makeup information. Access is provided through the Local Exchange Navigation System (LENS) interface and the Telecommunications Access Gateway (TAG) interface. Customer record information includes customer specific information in CRIS and RSAG. <<customer_name>> shall not view, copy, or otherwise obtain access to the customer record information of any customer without that customer's permission. <<customer_name>> will obtain access to customer record information only in strict compliance with applicable laws, rules, or regulations of the State in which the service is provided. BellSouth reserves the right to audit <<customer_name>>'s access to customer record information. If a BellSouth audit of <<customer_name>>'s access to customer record information reveals that <<customer_name>> is accessing customer record information without having obtained the proper End User authorization, BellSouth upon reasonable notice to <<customer_name>> may take corrective action, including but not limited to suspending or terminating <<customer_name>>'s electronic access to BellSouth's OSS functionality. All such information obtained through an audit shall be deemed Information covered by the Proprietary and Confidential Information section in the General Terms and Conditions of this Agreement.
- 2.1.2 Service Ordering. BellSouth will make available the Electronic Data Interchange (EDI) interface and the TAG ordering interface for the purpose of exchanging order information, including order status and completion notification, for non-complex and certain complex resale requests and certain network elements. <<customer_name>> may integrate the EDI interface or the TAG ordering interface with the TAG pre-ordering interface. In addition, BellSouth will provide integrated pre-ordering and ordering capability through the LENS interface for non-complex and certain complex resale service requests and certain network element requests.
- 2.1.3 Maintenance and Repair. <<customer_name>> may report and monitor service troubles and obtain repair services from BellSouth via electronic interfaces. BellSouth provides several options for electronic trouble reporting. For exchange services, BellSouth will offer <<customer_name>> non-discriminatory access to the Trouble Analysis Facilitation Interface (TAFI). In addition, BellSouth will offer an industry standard, machine-to-machine Electronic Communications Trouble Administration (ECTA) Gateway interface. For designed services, BellSouth will provide non-discriminatory trouble reporting via the ECTA Gateway. BellSouth will provide <<customer_name>> an estimated time to

repair, an appointment time or a commitment time, as appropriate, on trouble reports. Requests for trouble repair will be billed in accordance with the provisions of Section 1.2.1 of this Attachment. BellSouth and <<customer_name>> agree to adhere to BellSouth's Operational Understanding, as amended from time to time during this Agreement and as incorporated herein by reference. The Operational Understanding may be accessed via the Internet at <http://www.interconnection.bellsouth.com>.

- 2.2 Change Management. BellSouth provides a collaborative process for change management of the electronic interfaces through the Change Control Process (CCP). Guidelines for this process are set forth in the CCP document as amended from time to time during this Agreement. The CCP document may be accessed via the Internet at <http://www.interconnection.bellsouth.com>.
- 2.3 BellSouth's Versioning Policy for Electronic Interfaces. BellSouth's Versioning Policy is part of the Change Control Process (CCP). Pursuant to the CCP, BellSouth will issue new software releases for new industry standards for its EDI and TAG electronic interfaces. The Versioning Policy, including the appropriate notification to <<customer_name>>, is set forth in the CCP document as amended from time to time during this Agreement. The CCP document may be accessed via the Internet at <http://www.interconnection.bellsouth.com>.
- 2.4 Rates. Charges for use of OSS shall be as set forth in Attachments 1 and 2 of this Agreement and are incorporated herein by reference.

3. MISCELLANEOUS

- 3.1 Pending Orders. Orders placed in the hold or pending status by <<customer_name>> will be held for a maximum of thirty (30) days from the date the order is placed on hold. After such time, <<customer_name>> shall be required to submit a new service order. Incorrect or invalid orders returned to <<customer_name>> for correction or clarification will be held for ten (10) days. If <<customer_name>> does not return a corrected order within ten (10) days, BellSouth will cancel the order.
- 3.2 Single Point of Contact. <<customer_name>> will be the single point of contact with BellSouth for ordering activity for network elements and other services used by <<customer_name>> to provide services to its end users, except that BellSouth may accept an order directly from another CLEC, or BellSouth, acting with authorization of the affected end user. <<customer_name>> and BellSouth shall each execute a blanket letter of authorization with respect to customer orders. The Parties shall each be entitled to adopt their own internal processes for verification of customer authorization for orders, provided, however, that such processes shall comply with applicable state and federal law including, until superseded, the FCC guidelines and orders applicable to Presubscribed Interexchange Carrier (PIC) changes, including Un-PIC. Pursuant to an order from another carrier, BellSouth may disconnect any network element being used by <<customer_name>> to

provide service to that end user and may reuse such network elements or facilities to enable such other carrier to provide service to the end user. BellSouth will notify <<customer_name>> that such an order has been processed, but will not be required to notify <<customer_name>> in advance of such processing.

- 3.3 Use of Facilities. When a customer of <<customer_name>> elects to discontinue service and transfer service to another local exchange carrier, including BellSouth, BellSouth shall have the right to reuse the facilities provided to CLEC by BellSouth. In addition, where BellSouth provides local switching, BellSouth may disconnect and reuse facilities when the facility is in a denied state and BellSouth has received an order to establish new service or transfer of service from a customer or a customer's CLEC at the same address served by the denied facility. BellSouth will notify <<customer_name>> that such an order has been processed after the disconnect order has been completed.
- 3.4 Contact Numbers. The Parties agree to provide one another with toll-free nationwide (50 states) contact numbers for the purpose of ordering, provisioning and maintenance of services.
- 3.5 Subscription Functions. In cases where BellSouth performs subscription functions for an inter-exchange carrier (i.e. PIC and LPIC changes via Customer Account Record Exchange (CARE)), BellSouth will provide the affected inter-exchange carriers with the Operating Company Number (OCN) of the local provider for the purpose of obtaining end user billing account and other end user information required under subscription requirements.
- 3.6 Cancellation Charges. If <<customer_name>> cancels an order for Network Elements or other services, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with FCC No. 1 Tariff, Section 5.
- 3.7 Expedite Charges. For expedited requests by <<customer_name>>, expedited charges will apply for intervals less than the standard interval as outlined in the BellSouth Product and Services Interval Guide. The charges as outlined in BellSouth's FCC No. 1 Tariff, Section 5, will apply.
- 3.8 CLEC Responsibilities. <<customer_name>> shall provide to BellSouth electronic access to customer record information, where available. If electronic access is not available, <<customer_name>> shall provide paper copies of customer record information. Such information shall be provided to BellSouth in the same intervals that BellSouth provides such information to <<customer_name>>.

Attachment 7

Billing

TABLE OF CONTENTS

1. Payment and Billing Arrangements.....	3
2. Billing Disputes	6
3. RAO Hosting.....	7
4. Optional Daily Usage File	11
5. Access Daily Usage File	14

BILLING

1. PAYMENT AND BILLING ARRANGEMENTS

All negotiated rates, terms and conditions set forth in this Attachment pertain to billing and billing accuracy certifications.

- 1.1 Billing. BellSouth agrees to provide billing through the Carrier Access Billing System (CABS) and through the Customer Records Information System (CRIS) depending on the particular service(s) that <<customer_name>> requests. BellSouth will bill and record in accordance with this Agreement those charges <<customer_name>> incurs as a result of <<customer_name>> purchasing from BellSouth Network Elements and Other Services as set forth in this Agreement. BellSouth will format all bills in CBOS Standard or CLUB/EDI format, depending on the type of service ordered. For those services where standards have not yet been developed, BellSouth's billing format will change as necessary when standards are finalized by the industry forum.

- 1.1.1 For any service(s) BellSouth orders from <<customer_name>>, <<customer_name>> shall bill BellSouth in CABS format.

- 1.1.2 If either Party requests multiple billing media or additional copies of bills, the Billing Party will provide these at a reasonable cost.

- 1.2 Master Account. After receiving certification as a local exchange company from the Authority, <<customer_name>> will provide the appropriate BellSouth account manager the necessary documentation to enable BellSouth to establish a master account for Local Interconnection, Network Elements and Other Services, and/or resold services. Such documentation shall include the Application for Master Account, proof of authority to provide telecommunications services, an Operating Company Number (OCN) assigned by the National Exchange Carriers Association (NECA), Carrier Identification Code (CIC), Group Access Code (GAC), Access Customer Name and Abbreviation (ACNA) and a tax exemption certificate, if applicable.

- 1.2.1 Payment Responsibility. Payment of all charges will be the responsibility of <<customer_name>>. <<customer_name>> shall make payment to BellSouth for all services billed. BellSouth is not responsible for payments not received by <<customer_name>> from <<customer_name>>'s customer. BellSouth will not become involved in billing disputes that may arise between <<customer_name>> and <<customer_name>>'s customer. Payments made to BellSouth as payment on account will be credited to an accounts receivable master account and not to an end user's account.

- 1.3 Payment Due. The payment will be due on or before the next bill date (i.e., same date in the following month as the bill date) and is payable in immediately

available funds. Payment is considered to have been made when received by BellSouth.

- 1.4 If the payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If the payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday. If payment is not received by the payment due date, a late payment charge, as set forth in Section 1.6, below, shall apply.
- 1.5 Tax Exemption. Upon proof of tax exempt certification from <<customer_name>>, the total amount billed to <<customer_name>> will not include those taxes or fees for which the CLEC is exempt. <<customer_name>> will be solely responsible for the computation, tracking, reporting and payment of all taxes and like fees associated with the services provided to the end user of <<customer_name>>.
- 1.6 Late Payment. If any portion of the payment is received by BellSouth after the payment due date as set forth preceding, or if any portion of the payment is received by BellSouth in funds that are not immediately available to BellSouth, then a late payment charge shall be due to BellSouth. The late payment charge shall be the portion of the payment not received by the payment due date times a late factor and will be applied on a per bill basis. The late factor shall be as set forth in Section A2 of the General Subscriber Services Tariff, Section B2 of the Private Line Service Tariff or Section E2 of the Intrastate Access Tariff, whichever BellSouth determines is appropriate. <<customer_name>> will be charged a fee for all returned checks as set forth in Section A2 of the General Subscriber Services Tariff or pursuant to the applicable state law.
- 1.7 Discontinuing Service to <<customer_name>>. The procedures for discontinuing service to <<customer_name>> are as follows:
- 1.7.1 BellSouth reserves the right to suspend or terminate service for nonpayment of services or in the event of prohibited, unlawful or improper use of BellSouth facilities or service or any other violation or noncompliance by <<customer_name>> of the rules and regulations contained in BellSouth's tariffs.
- 1.7.2 If payment of amounts not subject to a billing dispute, as described in Section 2.1.2., is not received by the bill date in the month after the original bill date, BellSouth may provide written notice to <<customer_name>> that additional applications for service will be refused and that any pending orders for service will not be completed if payment is not received by the fifteenth day following the date of the notice. In addition, BellSouth may, at the same time, give thirty (30) days notice to <<customer_name>> at the billing address to discontinue the provision of existing services to <<customer_name>> at any time thereafter.

- 1.7.3 In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due.
- 1.7.4 If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and <<customer_name>>'s noncompliance continues, nothing contained herein shall preclude BellSouth's right to discontinue the provision of the services to <<customer_name>> without further notice.
- 1.7.5 If payment is not received or satisfactory arrangements made for payment by the date given in the written notification, <<customer_name>>'s services will be discontinued. Upon discontinuance of service on <<customer_name>>'s account, service to <<customer_name>>'s end users will be denied. BellSouth will reestablish service at the request of the end user or <<customer_name>> for BellSouth to reestablish service upon payment of the appropriate connection fee and subject to BellSouth's normal application procedures. <<customer_name>> is solely responsible for notifying the end user of the proposed service disconnection. If within fifteen (15) days after an end user's service has been denied and no arrangements to reestablish service have been made consistent with this subsection, the end user's service will be disconnected.
- 1.8 Deposit Policy. When purchasing services from BellSouth, <<customer_name>> will be required to complete the BellSouth Credit Profile and provide information regarding credit worthiness. Based on the results of the credit analysis, BellSouth reserves the right to secure the account with a suitable form of security deposit. Such security deposit shall take the form of cash, an Irrevocable Letter of Credit (BellSouth form), Surety Bond (BellSouth form) or, in its sole discretion, some other form of security. Any such security deposit shall in no way release <<customer_name>> from its obligation to make complete and timely payments of its bill. Such security shall be required prior to the inauguration of service. If, in the sole opinion of BellSouth, circumstances so warrant and/or gross monthly billing has increased beyond the level initially used to determine the level of security, BellSouth reserves the right to request additional security and/or file a Uniform Commercial Code (UCC1) security interest in <<customer_name>>'s "accounts receivables and proceeds." Interest on a security deposit, if provided in cash, shall accrue and be paid in accordance with the terms in the appropriate BellSouth tariff. Security deposits collected under this Section shall not exceed two months' estimated billing. In the event <<customer_name>> fails to remit to BellSouth any deposit requested pursuant to this Section, service to <<customer_name>> may be terminated in accordance with the terms of Section 1.7 of this Attachment, and any security deposits will be applied to <<customer_name>>'s account(s).
- 1.9 Notices. Notwithstanding anything to the contrary in this Agreement, all bills and notices regarding billing matters, including notices relating to security deposits, to rejection of additional orders from <<customer_name>> and to disconnection of services for nonpayment of charges, shall be forwarded to the individual and/or

address provided by <<customer_name>> in establishment of its billing account(s) with BellSouth, or to the individual and/or address subsequently provided by <<customer_name>> as the contact for billing information. All monthly bills and notices described in this Section shall be forwarded to the same individual and/or address; provided, however, upon written notice from <<customer_name>> to BellSouth's billing organization, a final notice of disconnection of services purchased by <<customer_name>> under this Agreement shall be sent via certified mail to the individual(s) listed in the Notices provision of the General Terms and Conditions of this Agreement at least 30 days before BellSouth takes any action to terminate such services.

- 1.10 Rates. Rates for Optional Daily Usage File (ODUF), Access Daily Usage File (ADUF), and Centralized Message Distribution Service (CMDS) are set out in Exhibit B of Attachment 2 of this Agreement, incorporated herein by this reference. If no rate is identified in this Attachment or Attachment 2, Exhibit B, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

2. BILLING DISPUTES

- 2.1 Billing disputes shall be handled pursuant to the terms of this section.

- 2.1.1 Each Party agrees to notify the other Party in writing upon the discovery of a billing dispute. In the event of a billing dispute, the Parties will endeavor to resolve the dispute within sixty (60) calendar days of the notification date. If the Parties are unable within the 60 day period to reach resolution, then the aggrieved Party may pursue dispute resolution in accordance with the General Terms and Conditions of this Agreement.

- 2.1.2 For purposes of this Section 2, a billing dispute means a dispute of a specific amount of money actually billed by either Party. The dispute must be clearly explained by the disputing Party and supported by written documentation, which clearly shows the basis for disputing charges. By way of example and not by limitation, a billing dispute will not include the refusal to pay all or part of a bill or bills when no written documentation is provided to support the dispute, nor shall a billing dispute include the refusal to pay other amounts owed by the billed Party until the dispute is resolved. Claims by the billed Party for damages of any kind will not be considered a billing dispute for purposes of this Section 3. Once the billing dispute is resolved, the disputing Party will make immediate payment of any of the disputed amount owed to the billing Party or the billing Party shall have the right to pursue normal treatment procedures. Any credits due to the disputing Party, pursuant to the billing dispute, will be applied to the disputing Party's account by the billing Party immediately upon resolution of the dispute.

- 2.2 If a Party disputes a charge and does not pay such charge by the payment due date, or if a payment or any portion of a payment is received by either Party after the payment due date, or if a payment or any portion of a payment is received in funds

which are not immediately available to the other Party, then a late payment charge shall be assessed. For bills rendered by either Party for payment, the late payment charge for both Parties shall be calculated based on the portion of the payment not received by the payment due date times the late factor as set forth in the following BellSouth tariffs: for services purchased from the General Subscribers Services Tariff for purposes of resale and for ports and non-designed loops, Section A2 of the General Subscriber Services Tariff; for services purchased from the Private Line Tariff for purposes of resale, Section B2 of the Private Line Service Tariff; and for network elements and other services and local interconnection charges, Section E2 of the Access Service Tariff. In no event, however, shall interest be assessed by either Party on any previously assessed late payment charges. The Parties shall assess interest on previously assessed late payment charges only in a state where it has the authority pursuant to its tariffs.

3. RAO HOSTING

- 3.1 RAO Hosting, Calling Card and Third Number Settlement System (CATS) and Non-Intercompany Settlement System (NICS) services provided to <<customer_name>> by BellSouth will be in accordance with the methods and practices regularly adopted and applied by BellSouth to its own operations during the term of this Agreement, including such revisions as may be made from time to time by BellSouth.
- 3.2 <<customer_name>> shall furnish all relevant information required by BellSouth for the provision of RAO Hosting, CATS and NICS.
- 3.3 Compensation amounts, if applicable, will be billed by BellSouth to <<customer_name>> on a monthly basis in arrears. Amounts due from one Party to the other (excluding adjustments) are payable within thirty (30) days of receipt of the billing statement.
- 3.4 <<customer_name>> must have its own unique hosted RAO code. Requests for establishment of RAO status where BellSouth is the selected CMDS interfacing host, require written notification from <<customer_name>> to the BellSouth RAO Hosting coordinator at least eight (8) weeks prior to the proposed effective date. The proposed effective date will be mutually agreed upon between the Parties with consideration given to time necessary for the completion of required Telcordia (formerly BellCore) functions. BellSouth will request the assignment of an RAO code from its connecting contractor, currently Telcordia (formerly BellCore), on behalf of <<customer_name>> and will coordinate all associated conversion activities.
- 3.5 BellSouth will receive messages from <<customer_name>> that are to be processed by BellSouth, another LEC or CLEC in the BellSouth region or a LEC outside the BellSouth region.

- 3.6 BellSouth will perform invoice sequence checking, standard EMI format editing, and balancing of message data with the EMI trailer record counts on all data received from <<customer_name>>.
- 3.7 All data received from <<customer_name>> that is to be processed or billed by another LEC or CLEC within the BellSouth region will be distributed to that LEC or CLEC in accordance with the Agreement(s) which may be in effect between BellSouth and the involved LEC or CLEC.
- 3.8 All data received from <<customer_name>> that is to be placed on the CMDS network for distribution outside the BellSouth region will be handled in accordance with the agreement(s) which may be in effect between BellSouth and its connecting contractor (currently Telcordia (formerly BellCore)).
- 3.9 BellSouth will receive messages from the CMDS network that are destined to be processed by <<customer_name>> and will forward them to <<customer_name>> on a daily basis.
- 3.10 Transmission of message data between BellSouth and <<customer_name>> will be via CONNECT:Direct.
- 3.11 All messages and related data exchanged between BellSouth and <<customer_name>> will be formatted in accordance with accepted industry standards for EMI formatted records and packed between appropriate EMI header and trailer records, also in accordance with accepted industry standards.
- 3.12 <<customer_name>> will ensure that the recorded message detail necessary to recreate files provided to BellSouth will be maintained for back-up purposes for a period of three (3) calendar months beyond the related message dates.
- 3.13 Should it become necessary for <<customer_name>> to send data to BellSouth more than sixty (60) days past the message date(s), <<customer_name>> will notify BellSouth in advance of the transmission of the data. If there will be impacts outside the BellSouth region, BellSouth will work with its connecting contractor and <<customer_name>> to notify all affected Parties.
- 3.14 In the event that data to be exchanged between the two Parties should become lost or destroyed, both Parties will work together to determine the source of the problem. Once the cause of the problem has been jointly determined and the responsible Party (BellSouth or <<customer_name>>) identified and agreed to, the company responsible for creating the data (BellSouth or <<customer_name>>) will make every effort to have the affected data restored and retransmitted. If the data cannot be retrieved, the responsible Party will be liable to the other Party for any resulting lost revenue. Lost revenue may be a combination of revenues that could not be billed to the end users and associated access revenues. Both Parties will work together to estimate the revenue amount based upon historical data

through a method mutually agreed upon. The resulting estimated revenue loss will be paid by the responsible Party to the other Party within three (3) calendar months of the date of problem resolution, or as mutually agreed upon by the Parties.

- 3.15 Should an error be detected by the EMI format edits performed by BellSouth on data received from <<customer_name>>, the entire pack containing the affected data will not be processed by BellSouth. BellSouth will notify <<customer_name>> of the error condition. <<customer_name>> will correct the error(s) and will resend the entire pack to BellSouth for processing. In the event that an out-of-sequence condition occurs on subsequent packs, <<customer_name>> will resend these packs to BellSouth after the pack containing the error has been successfully reprocessed by BellSouth.
- 3.16 In association with message distribution service, BellSouth will provide <<customer_name>> with associated intercompany settlements reports (CATS and NICS) as appropriate.
- 3.17 In no case shall either Party be liable to the other for any direct or consequential damages incurred as a result of the obligations set out in this Agreement.
- 3.18 RAO Compensation
 - 3.18.1 Rates for message distribution service provided by BellSouth for <<customer_name>> are as set forth in Exhibit B of Attachment 2 of this Agreement.
 - 3.18.2 Rates for data transmission associated with message distribution service are as set forth in Exhibit B of Attachment 2 of this Agreement.
 - 3.18.3 Data circuits (private line or dial-up) will be required between BellSouth and <<customer_name>> for the purpose of data transmission. Where a dedicated line is required, <<customer_name>> will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. <<customer_name>> will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to <<customer_name>>. Additionally, all message toll charges associated with the use of the dial circuit by <<customer_name>> will be the responsibility of <<customer_name>>. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties.

- 3.18.4 All equipment, including modems and software, that is required on the <<customer_name>> end for the purpose of data transmission will be the responsibility of <<customer_name>>.
- 3.19 Intercompany Settlements Messages
- 3.19.1 This Section addresses the settlement of revenues associated with traffic originated from or billed by <<customer_name>> as a facilities based provider of local exchange telecommunications services outside the BellSouth region. Only traffic that originates in one Bell operating territory and bills in another Bell operating territory is included. Traffic that originates and bills within the same Bell operating territory will be settled on a local basis between <<customer_name>> and the involved company(ies), unless that company is participating in NICS.
- 3.19.2 Both traffic that originates outside the BellSouth region by <<customer_name>> and is billed within the BellSouth region, and traffic that originates within the BellSouth region and is billed outside the BellSouth region by <<customer_name>>, is covered by this Agreement (CATS). Also covered is traffic that either is originated by or billed by <<customer_name>>, involves a company other than <<customer_name>>, qualifies for inclusion in the CATS settlement, and is not originated or billed within the BellSouth region (NICS).
- 3.19.3 Once <<customer_name>> is operating within the BellSouth territory, revenues associated with calls originated and billed within the BellSouth region will be settled via Telcordia (formerly BellCore)'s, its successor or assign, NICS system.
- 3.19.4 BellSouth will receive the monthly NICS reports from Telcordia (formerly BellCore), its successor or assign, on behalf of <<customer_name>>. BellSouth will distribute copies of these reports to <<customer_name>> on a monthly basis.
- 3.19.5 BellSouth will receive the monthly Calling Card and Third Number Settlement System (CATS) reports from Telcordia (formerly BellCore), its successor or assign, on behalf of <<customer_name>>. BellSouth will distribute copies of these reports to <<customer_name>> on a monthly basis.
- 3.19.6 BellSouth will collect the revenue earned by <<customer_name>> from the Bell operating company in whose territory the messages are billed (CATS), less a per message billing and collection fee of five cents (\$0.05), on behalf of <<customer_name>>. BellSouth will remit the revenue billed by <<customer_name>> to the Bell operating company in whose territory the messages originated, less a per message billing and collection fee of five cents (\$0.05), on behalf on <<customer_name>>. These two amounts will be netted together by BellSouth and the resulting charge or credit issued to <<customer_name>> via a monthly Carrier Access Billing System (CABS) miscellaneous bill.

3.19.7 BellSouth will collect the revenue earned by <<customer_name>> within the BellSouth territory from another CLEC also within the BellSouth territory (NICS) where the messages are billed, less a per message billing and collection fee of five cents (\$0.05), on behalf of <<customer_name>>. BellSouth will remit the revenue billed by <<customer_name>> within the BellSouth region to the CLEC also within the BellSouth region, where the messages originated, less a per message billing and collection fee of five cents (\$0.05). These two amounts will be netted together by BellSouth and the resulting charge or credit issued to <<customer_name>> via a monthly CABS miscellaneous bill.

3.19.8 BellSouth and <<customer_name>> agree that monthly netted amounts of less than fifty dollars (\$50.00) will not be settled.

4. OPTIONAL DAILY USAGE FILE

4.1 Upon written request from <<customer_name>>, BellSouth will provide the Optional Daily Usage File (ODUF) service to <<customer_name>> pursuant to the terms and conditions set forth in this section.

4.2 <<customer_name>> shall furnish all relevant information required by BellSouth for the provision of the ODUF.

4.3 The Optional Daily Usage Feed will contain billable messages that were carried over the BellSouth Network and processed in the BellSouth Billing System, but billed to a <<customer_name>> customer.

4.4 Charges for delivery of the ODUF will appear on <<customer_name>>'s' monthly bills. The charges are as set forth in Exhibit A to this Attachment.

4.5 The Optional Daily Usage Feed will contain both rated and unrated messages. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

4.6 Messages that error in the billing system of <<customer_name>> will be the responsibility of <<customer_name>>. If, however, <<customer_name>> should encounter significant volumes of errored messages that prevent processing by <<customer_name>> within its systems, BellSouth will work with <<customer_name>> to determine the source of the errors and the appropriate resolution.

4.7 The following specifications shall apply to the Optional Daily Usage Feed.

4.7.1 USAGE TO BE TRANSMITTED

4.7.1.1 The following messages recorded by BellSouth will be transmitted to <<customer_name>>:

- Message recording for per use/per activation type services (examples:

Three -Way Calling, Verify, Interrupt, Call Return, etc.)

- Measured billable Local
- Directory Assistance messages
- IntraLATA Toll
- WATS and 800 Service
- N11
- Information Service Provider Messages
- Operator Services Messages
- Operator Services Message Attempted Calls (Network Element only)
- Credit/Cancel Records
- Usage for Voice Mail Message Service

4.7.1.2 Rated Incollects (originated in BellSouth and from other companies) can also be on ODUF. Rated Incollects will be intermingled with BellSouth recorded rated and unrated usage. Rated Incollects will not be packed separately.

4.7.1.3 BellSouth will perform duplicate record checks on records processed to ODUF. Any duplicate messages detected will be deleted and not sent to <<customer_name>>.

4.7.1.4 In the event that <<customer_name>> detects a duplicate on ODUF they receive from BellSouth, <<customer_name>> will drop the duplicate message (<<customer_name>> will not return the duplicate to BellSouth).

4.7.2 **PHYSICAL FILE CHARACTERISTICS**

4.7.2.1 ODUF will be distributed to <<customer_name>> via an agreed medium with CONNECT:Direct being the preferred transport method. The Daily Usage Feed will be a variable block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.

4.7.2.2 Data circuits (private line or dial-up) will be required between BellSouth and <<customer_name>> for the purpose of data transmission. Where a dedicated line is required, <<customer_name>> will be responsible for ordering the circuit,

overseeing its installation and coordinating the installation with BellSouth. <<customer_name>> will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to <<customer_name>>. Additionally, all message toll charges associated with the use of the dial circuit by <<customer_name>> will be the responsibility of <<customer_name>>. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on <<customer_name>>'s end for the purpose of data transmission will be the responsibility of <<customer_name>>.

4.7.3 **PACKING SPECIFICATIONS**

4.7.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

4.7.3.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to <<customer_name>> which BellSouth RAO that is sending the message. BellSouth and <<customer_name>> will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by <<customer_name>> and resend the data as appropriate.

The data will be packed using ATIS EMI records.

4.7.4 **PACK REJECTION**

4.7.4.1 <<customer_name>> will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. <<customer_name>> will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to <<customer_name>> by BellSouth.

4.7.5 **CONTROL DATA**

4.7.5.1 <<customer_name>> will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate <<customer_name>> received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by <<customer_name>> for reasons stated in the above section.

4.7.6 **TESTING**

- 4.7.6.1 Upon request from <<customer_name>>, BellSouth shall send test files to <<customer_name>> for ODUF. The Parties agree to review and discuss the file's content and/or format. For testing of usage results, BellSouth shall request that <<customer_name>> set up a production (LIVE) file. The live test may consist of <<customer_name>>'s employees making test calls for the types of services <<customer_name>> requests on ODUF. These test calls are logged by <<customer_name>>, and the logs are provided to BellSouth. These logs will be used to verify the files. Testing will be completed within 30 calendar days from the date on which the initial test file was sent.

5. **ACCESS DAILY USAGE FILE**

- 5.1 Upon written request from <<customer_name>>, BellSouth will provide the Access Daily Usage File (ADUF) service to <<customer_name>> pursuant to the terms and conditions set forth in this section.
- 5.2 <<customer_name>> shall furnish all relevant information required by BellSouth for the provision of ADUF.
- 5.3 ADUF will contain access messages associated with a port that <<customer_name>> has purchased from BellSouth
- 5.4 Charges for delivery of ADUF will appear on <<customer_name>>'s monthly bills. The charges are as set forth in Exhibit A to this Attachment. All messages will be in the standard ATIS EMI record format.
- 5.5 Messages that error in the billing system of <<customer_name>> will be the responsibility of <<customer_name>>. If, however, <<customer_name>> should encounter significant volumes of errored messages that prevent processing by <<customer_name>> within its systems, BellSouth will work with <<customer_name>> to determine the source of the errors and the appropriate resolution.

5.6 **USAGE TO BE TRANSMITTED**

- 5.6.1 The following messages recorded by BellSouth will be transmitted to <<customer_name>>:
- 5.6.1.1 Recorded originating and terminating interstate and intrastate access records associated with a port.
- 5.6.1.2 Recorded terminating access records for undetermined jurisdiction access records associated with a port.

- 5.6.2 When <<customer_name>> purchases Network Element ports from BellSouth and calls are made using these ports, BellSouth will handle the calls as follows:
 - 5.6.2.1 Originating from Network Element and carried by Interexchange Carrier:
 - 5.6.2.1.1 BellSouth will bill network element to CLEC and send access record to the CLEC via ADUF.
 - 5.6.2.2 Originating from network element and carried by BellSouth (<<customer_name>> is BellSouth's toll customer).
 - 5.6.2.3 Terminating on network element and carried by Interexchange Carrier:
 - 5.6.2.3.1 BellSouth will bill network element to <<customer_name>> and send access record to <<customer_name>>.
 - 5.6.2.4 Terminating on network element and carried by BellSouth:
 - 5.6.2.4.1 BellSouth will bill network element to <<customer_name>> and send access record to <<customer_name>>.
 - 5.6.3 BellSouth will perform duplicate record checks on records processed to ADUF. Any duplicate messages detected will be dropped and not sent to <<customer_name>>.
 - 5.6.4 In the event that <<customer_name>> detects a duplicate on ADUF they receive from BellSouth, <<customer_name>> will drop the duplicate message (<<customer_name>> will not return the duplicate to BellSouth.)
 - 5.6.5 **PHYSICAL FILE CHARACTERISTICS**
 - 5.6.5.1 ADUF will be distributed to <<customer_name>> via CONNECT:Direct. The Access Daily Usage Feed will be a fixed block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (210 byte). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.
 - 5.6.5.2 Data circuits (private line or dial-up) will be required between BellSouth and <<customer_name>> for the purpose of data transmission. Where a dedicated line is required, <<customer_name>> will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. <<customer_name>> will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the

BellSouth data center by BellSouth and the associated charges assessed to <<customer_name>>. Additionally, all message toll charges associated with the use of the dial circuit by <<customer_name>> will be the responsibility of <<customer_name>>. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on <<customer_name>>'s end for the purpose of data transmission will be the responsibility of <<customer_name>>.

5.6.6 **PACKING SPECIFICATIONS**

5.6.6.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

5.6.6.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to <<customer_name>> which BellSouth RAO is sending the message. BellSouth and <<customer_name>> will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by <<customer_name>> and resend the data as appropriate.

The data will be packed using ATIS EMI records.

5.6.7 **PACK REJECTION**

5.6.7.1 <<customer_name>> will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. <<customer_name>> will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to <<customer_name>> by BellSouth.

5.6.8 **CONTROL DATA**

5.6.8.1 <<customer_name>> will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate <<customer_name>> received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by <<customer_name>> for reasons stated in the above section.

5.6.9 Testing

5.6.9.1 Upon request from <<customer_name>>, BellSouth shall send a test file of generic data to <<customer_name>> via Connect:Direct or Text File via E-Mail. The Parties agree to review and discuss the test file's content and/or format.

Attachment 8

Rights-of-Way, Conduits and Pole Attachments

LICENSE AGREEMENT

for

RIGHTS OF WAY (ROW), CONDUITS, AND POLE ATTACHMENTS

Dated:

Between

BELLSOUTH TELECOMMUNICATIONS, INC.
(Licensor)

And

(Licensee)

Licensee desires to conduct business in the following area(s):

☐ AL ☐ KY ☐ LA ☐ MS ☐ TN ☐ FL ☐ GA ☐ NC ☐ SC

or

☐ BellSouth Region

BELLSOUTH Agreement Number - _____

C O N T E N T S

SECTION	PAGE
1 Definitions	1
2 Scope of Agreement	5
3 Requirements and Specifications	9
4 Additional Legal Requirements	17
5 Facilities and Licenses	18
6 Make-Ready Work	20
7 Application Forms and Fees	21
8 Processing of Applications	24
9 Issuance of Licenses	25
10 Construction of Licensee's Facilities	26
11 Use and Routine Maintenance of Licensee's Facilities	28
12 Modification and Replacement of Licensee's Facilities	30
13 Rearrangement of Facilities at Request of Another	30
14 Emergency Repairs and Pole Replacements	32
15 Inspection by BellSouth of Licensee's Facilities	32
16 Notice of Noncompliance	32
17 Unauthorized Occupancy or Utilization of BellSouth's Facilities	34
18 Removal of Licensee's Facilities	35
19 Fees, Charges, and Billing	35
20 Advance Payment and Imputation	36
21 Assurance of Payment	36
22 Insurance	37
23 Indemnification	38
24 Authorization Not Exclusive	40
25 Assignment of Rights	40
26 Failure to Enforce	40
27 Term of Agreement	40
28 BellSouth's Information	41
29 Licensee Information	42
30 Supersedure of Agreement(s)	43

APPENDICES

- I Schedule of Fees, Charges, and Attachment Transfer Rate Schedule
- II Records Maintenance Centers
- III Request to Self-Insure

EXHIBITS

- I Administrative Forms and Notices

RIGHTS OF WAY (ROW), CONDUITS AND POLE ATTACHMENTS

This Agreement, together with the terms and conditions of general applicability contained throughout this Agreement, sets forth the terms and conditions under which BellSouth shall afford to Licensee access to BellSouth's Poles, Ducts, Conduits and Rights of Way, pursuant to the Act. To the extent applicable, this Agreement also sets forth the terms and conditions applicable to request to attach to Joint Use Poles and the relevant defined terms shall be construed to include such Joint Use Poles.

1. DEFINITIONS

Definitions in General. Except as the context otherwise requires, the terms defined in this Section shall, as used herein, have the meanings set forth in this Section 1.

- 1.1 Anchor. The term Anchor refers to a device, structure, or assembly which stabilizes a Pole and holds it in place. An Anchor assembly may consist of a rod and fixed object or plate, typically embedded in the ground, which is attached to a guy strand or guy wire, which, in turn, is attached to the Pole. The term Anchor does not include the guy strand which connects the Anchor to the Pole and includes only those Anchors which are owned by BellSouth, as distinguished from Anchors which are owned and controlled by other persons or entities.
- 1.2 Anchor/Guy Strand. The term Anchor/Guy Strand refers to supporting wires, typically stranded together, or other devices attached to a Pole and connecting that Pole to an Anchor or to another Pole for the purpose of increasing Pole stability. The term Anchor/Guy Strand includes, but is not limited to, strands sometimes referred to as Anchor strands, down guys, guy strands, and Pole-to-pole guys.
- 1.3 Application. The process of requesting information related to records, Pole and/or Conduit availability, or make-ready requirements for BellSouth owned or controlled Facilities. Each Application is limited in size to a maximum of (1) 100 consecutive Poles or (2) 10 consecutive Manhole sections or 5000 feet, whichever is greater. The Application includes (but is not limited to) request for records, records investigation and/or a field investigation, and Make-Ready Work.
- 1.4 Communications Act of 1934. The terms Communications Act of 1934 and Communications Act refer to the Communications Act of June 19, 1934, 48 Stat. 1064, as amended, including the provisions codified as 47 U.S.C. Sections 151 et seq. The Communications Act includes the Pole Attachment Act of 1978, as defined in 1.23 following.
- 1.5 Assigned. The term Assigned, when used with respect to Conduit or Duct space or Poles, refers to any space in such Conduit or Duct or on such Pole that is occupied by a telecommunications service provider or a municipal or other governmental authority. To ensure the judicious use of Poles and Conduits, space Assigned to a telecommunications service provider must be physically occupied by the service provider, be it BellSouth or a new entrant, within twelve (12) months of the space being Assigned.

- 1.6 Available. The term Available, when used with respect to Conduit or Duct space or Poles, refers to any usable space in such Conduit or Duct or on such Pole not assigned to a specific provider at the applicable time.
- 1.7 Conduit. The term Conduit means a structure containing one or more Ducts, usually placed in the ground, in which cables or wires may be installed.
- 1.8 Conduit Occupancy. The terms Conduit Occupancy and Occupancy refer to the presence of wire, cable, optical conductors, or other Facilities within any portion of BellSouth's Conduit System.
- 1.9 Conduit System. The term Conduit System refers to any combination of Ducts, Conduits, Manholes, and Handholes joined to form an integrated whole. In this Agreement, the term refers to Conduit Systems owned or controlled by BellSouth.
- 1.10 Cost. The term Cost as used herein refers to charges made by BellSouth to Licensee for specific work performed, and shall be (a) the actual charges made by subcontractors to BellSouth for work and/or, (b) if the work was performed by BellSouth employees, it shall be calculated on an individual case basis, based on the estimated amount of work to be performed.
- 1.11 Duct. The term Duct refers to a single enclosed tube, pipe, or channel for enclosing and carrying cables, wires, and other Facilities. As used in this Agreement, the term Duct includes Inner-Ducts created by subdividing a Duct into smaller channels.
- 1.12 Facilities. The terms Facility and Facilities refer to any property or equipment utilized in the provision of telecommunication services.
- 1.13 The acronym FCC refers to the Federal Communications Commission.
- 1.14 Handholes. The term Handhole refers to an enclosure, usually below ground level, used for the purpose of installing, operating, and maintaining facilities in a Conduit. A Handhole is too small to permit personnel to physically enter.
- 1.15 Inner-Duct. The term Inner-Duct refers to a pathway created by subdividing a Duct into smaller channels.
- 1.16 Joint User. The term Joint User refers to a utility which has entered into an agreement with BellSouth providing reciprocal rights of attachment of Facilities owned by each party to the Poles, Ducts, Conduits and Rights of Way owned by the other party.
- 1.17 Joint Use Pole. A pole not owned by BellSouth, but upon which BellSouth maintains its Facilities.
- 1.18 Lashing. The term Lashing refers to the attachment of a Licensee's Sheath or Inner-Duct to a supporting strand.
- 1.19 License. The term License refers to any License issued pursuant to this Agreement and may, if the context requires, refer to Conduit Occupancy or Pole attachment Licenses issued by BellSouth prior to the date of this Agreement.

- 1.20 Licensee. The term Licensee refers to a person or entity which has entered or may enter into an agreement or arrangement with BellSouth permitting such person or entity to place its Facilities in BellSouth's Conduit System or attach its Facilities to BellSouth's Poles or Anchors.
- 1.21 Make-Ready Work. The term Make-Ready Work refers to all work performed or to be performed to prepare BellSouth's Conduit Systems, Poles or Anchors and related Facilities for the requested occupancy or attachment of Licensee's Facilities. Make--Ready work includes, but is not limited to, clearing obstructions (e.g., by rodding Ducts to ensure clear passage), the rearrangement, transfer, replacement, and removal of existing Facilities on a Pole or in a Conduit System where such work is required solely to accommodate Licensee's Facilities and not to meet BellSouth's business needs or convenience. Make--Ready work may require "dig-ups" of existing Facilities and may include the repair, enlargement or modification of BellSouth's Facilities (including, but not limited to, Conduits, Ducts, Handholes and Manholes) or the performance of other work required to make a Pole, Anchor, Conduit or Duct usable for the initial placement of Licensee's Facilities.
- 1.22 Manhole. The term Manhole refers to an enclosure, usually below ground level and entered through a hole on the surface covered with a cast iron or concrete Manhole cover, which personnel may enter and use for the purpose of installing, operating, and maintaining Facilities in a Conduit.
- 1.23 Occupancy. The term Occupancy shall refer to the physical presence of telecommunication Facilities in a Duct, on a Pole, or within a Right of Way.
- 1.24 Person Acting on Licensee's Behalf. The terms Person Acting on Licensee's Behalf, personnel performing work on Licensee's behalf, and similar terms include both natural persons and firms and ventures of every type, including, but not limited to, corporations, partnerships, limited liability companies, sole proprietorships, and joint ventures. The terms Person Acting on Licensee's Behalf, personnel performing work on Licensee's behalf, and similar terms specifically include, but are not limited to, Licensee, its officers, directors, employees, agents, representatives, attorneys, contractors, subcontractors, and other persons or entities performing services at the request of or as directed by Licensee and their respective officers, directors, employees, agents, and representatives.

- 1.25 Person Acting on BellSouth's Behalf. The terms Person Acting on BellSouth's Behalf, personnel performing work on BellSouth's behalf, and similar terms include both natural persons and firms and ventures of every type, including but not limited to corporations, partnerships, limited liability companies, sole proprietorships, and joint ventures. The terms Person Acting on BellSouth's Behalf, personnel performing work on BellSouth's behalf, and similar terms specifically include, but are not limited to, BellSouth, its officers, directors, employees, agents, representatives, attorneys, contractors, subcontractors, and other persons or entities performing services at the request or on behalf of BellSouth and their respective officers, directors, employees, agents, and representatives.
- 1.26 Pole. The term Pole refers to both utility Poles and Anchors but only to those utility Poles and Anchors owned or controlled by BellSouth, and does not include utility Poles or Anchors with respect to which BellSouth has no legal authority to permit attachments by other persons or entities.
- 1.27 Pole Attachment Act. The terms Pole Attachment Act and Pole Attachment Act of 1978 refer to those provisions of the Communications Act of 1934, as amended, now codified as 47 U.S.C. § 224.
- 1.28 Pre-License Survey. The term Pre-License Survey refers to all work and activities performed or to be performed to determine whether there is adequate capacity on a Pole or in a Conduit or Conduit System (including Manholes and Handholes) to accommodate Licensee's Facilities and to determine what Make-Ready Work, if any, is required to prepare the Pole, Conduit or Conduit System to accommodate Licensee's Facilities.
- 1.29 Right of Way (ROW). The term Right of Way/Rights of Way refer(s) to the right to use the land or other property of another party to place Poles, Conduits, cables, other structures and equipment, or to provide passage to access such structures and equipment. A Right of Way may run under, on, or above public or private property (including air space above public or private property) and may include the right to use discrete space in buildings, building complexes, or other locations.
- 1.30 Sheath. The term Sheath refers to a single outer covering containing communications wires, fibers, or other communications media.
- 1.31 Spare Capacity. The term Spare Capacity refers to any Poles, Conduit, Duct or Inner-Duct not currently assigned or subject to a pending Application for attachment/occupancy. Spare Capacity does not include an Inner-Duct (not to exceed one Inner-Duct per party) reserved by BellSouth, Licensee, or a Third Party for maintenance, repair, or emergency restoration.
- 1.32 State. When capitalized, the term "State" (as used in terms such as "this State") refers to the State, for which this Agreement applies.

- 1.33 Third Party. The terms Third Party and Third Parties refer to persons and entities other than Licensee and BellSouth. Use of the term Third Party does not signify that any such person or entity is a party to this Agreement or has any contractual rights hereunder.

2. SCOPE OF AGREEMENT

- 2.1 Undertaking of BellSouth. BellSouth shall provide Licensee with equal and nondiscriminatory access to Pole space, Conduits, Ducts, and Rights of Way on terms and conditions equal to those provided by BellSouth to itself or to any other telecommunications service provider. Further, BellSouth shall not withhold or delay assignment of such Facilities to Licensee because of the potential or forecasted needs of itself or other parties.
- 2.2 Attachments and Occupancies Authorized by this Agreement. BellSouth shall issue one or more Licenses to Licensee authorizing Licensee to attach Facilities to BellSouth's owned or controlled Poles and to place Facilities within BellSouth's owned or controlled Conduits, Ducts or Rights of Way under the terms and conditions set forth in this Section and the Telecommunications Act of 1996.
- 2.2.1 Unless otherwise provided herein, authority to attach Facilities to BellSouth's owned or controlled Poles, to place Facilities within BellSouth's owned or controlled Conduits, Ducts or Rights of Way shall be granted only in individual Licenses granted under this Agreement and the placement or use of such Facilities shall be determined in accordance with such Licenses and procedures established in this Agreement.
- 2.2.2 Licensee agrees that its attachment of Facilities to BellSouth's owned or controlled Poles, occupancy of BellSouth's owned or controlled Conduits, Ducts or Rights of Way shall take place pursuant to the licensing procedures set forth herein, and BellSouth agrees that it shall not unreasonably withhold or delay issuance of such Licenses.
- 2.2.3 Licensee may not sublease or otherwise authorize any Third Party to use any part of the BellSouth Facilities licensed to Licensee under this Agreement, except that Licensee may lease its own Facilities to Third Parties, or allow affiliates to overlash cables to Licensee cables. Notwithstanding the above, upon notice to BellSouth, Licensee may permit Third Parties who have an agreement with BellSouth to overlash to existing Licensee attachments in accordance with the terms and conditions of such Third Party's agreement with BellSouth, and Licensee may lease dark fiber to a Third Party.

- 2.3 Licenses. Subject to the terms and conditions set forth in this Agreement, BellSouth shall issue to Licensee one or more Licenses authorizing Licensee to place or attach Facilities in or to specified Poles, Conduits, Ducts or Rights of Way owned or controlled by BellSouth located within this state on a first come, first served basis. BellSouth may deny a License Application if BellSouth determines that the Pole, Conduit or Duct space specifically requested by Licensee is necessary to meet BellSouth's present needs, or is Licensed by BellSouth to another Licensee, or is otherwise unavailable based on engineering concerns. BellSouth shall provide written notice to Licensee within a reasonable time specifying in detail the reasons for denying Licensee's request. BellSouth shall have the right to designate the particular Duct(s) to be occupied, the location and manner in which Licensee's Facilities will enter and exit BellSouth's Conduit System and the specific location and manner of installation for any associated equipment which is permitted by BellSouth to occupy the Conduit System.
- 2.4 Access and Use of Rights-of-Way. BellSouth acknowledges that it is required by the Telecommunications Act of 1996 to afford Licensee access to and use of all associated Rights of Way to any sites where BellSouth's owned or controlled Poles, Manholes, Conduits, Ducts or other parts of BellSouth's owned or controlled Conduit Systems are located.
- 2.4.1 BellSouth shall provide Licensee with access to and use of such Rights of Way to the same extent and for the same purposes that BellSouth may access or use such Rights of Way, including but not limited to access for ingress, egress or other access and to construct, utilize, maintain, modify, and remove Facilities for which Pole attachment, Conduit Occupancy, or ROW use Licenses have been issued, provided that any agreement with a Third Party under which BellSouth holds such rights expressly or impliedly grants BellSouth the right to provide such rights to others.
- 2.4.2 Where BellSouth notifies Licensee that BellSouth's agreement with a Third Party does not expressly or impliedly grant BellSouth the ability to provide such access and use rights to others, upon Licensee's request, BellSouth will use its best efforts to obtain the owner's consent and to otherwise secure such rights for Licensee. Licensee agrees to reimburse BellSouth for the reasonable and demonstrable costs incurred by BellSouth in obtaining such rights for Licensee.
- 2.4.3 In cases where a Third Party agreement does not grant BellSouth the right to provide access and use rights to others as contemplated in 2.4.1 and BellSouth, despite its best efforts, is unable to secure such access and use rights for Licensee in accordance with 2.4.2, or, in the case where Licensee elects not to invoke its rights under 2.4.1 or 2.4.2, Licensee shall be responsible for obtaining such permission to access and use such Rights of Way. BellSouth shall cooperate with Licensee in obtaining such permission and shall not prevent or delay any Third Party assignment of ROW's to Licensee.

- 2.4.4 Where BellSouth has any ownership or Rights of Way to buildings or building complexes, or within buildings or building complexes, BellSouth shall offer to Licensee through a License or other attachment.
- 2.4.4.1 The right to use any available space owned or controlled by BellSouth in the building or building complex to install Licensee equipment and Facilities; and
- 2.4.4.2 Ingress and egress to such space.
- 2.4.5 Except to the extent necessary to meet the requirements of the Telecommunications Act of 1996, neither this Agreement nor any License granted hereunder shall constitute a conveyance or assignment of any of either party's rights to use any public or private Rights of Way, and nothing contained in this Agreement or in any License granted hereunder shall be construed as conferring on one party any right to interfere with the other party's access to any such public or private Rights of Way.
- 2.5 No Effect on BellSouth's Right to Convey Property. Nothing contained in this Agreement or in any License issued hereunder shall in any way affect the right of BellSouth to convey to any other person or entity any interest in real or personal property, including any Poles, Conduit or Ducts to or in which Licensee has attached or placed Facilities pursuant to Licenses issued under this Agreement provided however that BellSouth shall give Licensee reasonable advance written notice of such intent to convey.
- 2.6 No Effect on BellSouth's Rights to Manage its Own Facilities. This Agreement shall not be construed as limiting or interfering with BellSouth's rights set forth below, except to the extent expressly provided by the provisions of this Agreement or Licenses issued hereunder or by the Telecommunications Act of 1996 or other applicable laws, rules or regulations:
 - 2.6.1 To locate, relocate, move, replace, modify, maintain, and operate BellSouth's own Facilities within BellSouth's Conduits, Ducts or rights-of way or any of BellSouth's Facilities attached to BellSouth's Poles at any time and in any reasonable manner which BellSouth deems appropriate to serve its customers, avail itself of new business opportunities, or otherwise meet its business needs; or
 - 2.6.2 To enter into new agreements or arrangements with other persons or entities permitting them to attach or place their Facilities to or in BellSouth's Poles, Conduits or Ducts; provided, however, that such relocations, moves, replacements, modifications, maintenance and operations or new agreements or arrangements shall not substantially interfere with Licensee's Pole attachment, Conduit Occupancy or ROW use, rights provided by Licenses issued pursuant to this Agreement.

- 2.7 No Effect on Licensee's Rights to Manage its Own Facilities. This Agreement shall not be construed as limiting or interfering with Licensee's rights set forth below, except to the extent expressly provided by the provisions of this Agreement or Licenses issued hereunder or by the Telecommunications Act of 1996 or other applicable laws, rules or regulations:
- 2.7.1 To locate, relocate, move, replace, modify, maintain, and operate its own Facilities within BellSouth's Conduits, Ducts or Rights of Way or its Facilities attached to BellSouth's Poles at any time and in any reasonable manner which Licensee deems appropriate to serve its customers, avail itself of new business opportunities, or otherwise meet its business needs; or
- 2.7.2 To enter into new agreements or arrangements with other persons or entities permitting Licensee to attach or place its Facilities to or in such other persons' or entities' Poles, Conduits or Ducts, or Rights of Way; provided, however, that such relocations, moves, replacements, modifications, maintenance and operations or new agreements or arrangements shall not conflict with Licensee's obligations under Licenses issued pursuant to this Agreement.
- 2.8 No Right to Interfere with Facilities of Others. The provisions of this Agreement or any License issued hereunder shall not be construed as authorizing either party to this Agreement to rearrange or interfere in any way with any of the other party's Facilities, with the Facilities of other persons or entities, or with the use of or access to such Facilities by such other party or such other persons or entities, except to the extent expressly provided by the provisions of this Agreement or any License issued hereunder or by the Telecommunications Act of 1996 or other applicable laws, rules or regulations.
- 2.8.1 Licensee acknowledges that the Facilities of persons or entities other than BellSouth and Licensee may be attached to or occupy BellSouth's Poles, Conduits, Ducts and Rights of Way.
- 2.8.2 BellSouth shall not attach, or give permission to any third parties to attach Facilities to, existing Licensee Facilities without Licensee's prior written consent. If BellSouth becomes aware of any such unauthorized attachment to Licensee Facilities, BellSouth shall use its best efforts to rectify the situation as soon as practicable.

- 2.8.3 With respect to Facilities occupied by Licensee or the subject of an Application for attachment by Licensee, BellSouth will give to Licensee 60 days' written notice for Conduit extensions or reinforcements, 60 days' written notice for Pole line extensions, 60 days' written notice for Pole replacements, and 60 days' written notice of BellSouth's intention to construct, reconstruct, expand or place such Facilities or of BellSouth's intention not to maintain or use any existing Facility. Where BellSouth elects to abandon or remove BellSouth Facilities, the Facilities will be offered to existing occupants on a first-in, first-right to maintain basis. The party first electing to exercise this option will be required to execute the appropriate agreement with BellSouth to transfer (purchase agreement) ownership from BellSouth to new party, subject to then-existing licenses pertaining to such Facilities. If no party elects to maintain such Facilities, all parties will be required to remove their existing Facilities within ninety (90) days of written notice from BellSouth. If an emergency or provisions of an applicable joint use agreement require BellSouth to construct, reconstruct, expand or replace Poles, Conduits or Ducts occupied by Licensee or the subject of an Application for attachment by Licensee, BellSouth will notify Licensee as soon as reasonably practicable of such proposed construction, reconstruction, expansion or replacement to enable Licensee, if it so desires, to request that a Pole, Conduit or Duct of greater height or capacity be utilized to accommodate an anticipated Facility need of Licensee.
- 2.8.4 Upon request and at Licensee's expense, BellSouth shall remove any retired cable from Conduit Systems to allow for the efficient use of Conduit space within a reasonable period of time. BellSouth retains salvage rights on any cable removed. It order to safeguard its structures and Facilities, BellSouth reserves the right to remove retired cables and is under no obligation to allow Licensee the right to remove such cables. Based on sound engineering judgement, there may be situations where it would neither be feasible nor practical to remove retired cables.
- 2.9 Assignment of Space. Assignment of space on Poles, in Conduits or Ducts and within ROW's will be made pursuant to Licenses granted by BellSouth on an equal basis to BellSouth, Licensee and other telecommunication service providers.

3. REQUIREMENTS AND SPECIFICATIONS

- 3.1 Published Standards Incorporated in this Section by Reference. Licensee agrees that its Facilities shall be placed, constructed, maintained, repaired, and removed in accordance with current (as of the date when such work is performed) editions of the following publications, each of which is incorporated by reference as part of this Section :

- 3.1.1 The Blue Book Manual of Construction Procedures, Special Report SR-TAP-001421, published by Telcordia Technologies, f/k/a Bell Communications Research, Inc. ("BellCore"), and sometimes referred to as the "Blue Book";
- 3.1.2 The National Electrical Code (NEC); and
- 3.1.3 The National Electrical Safety Code (NESC).
- 3.2 Changes in Published Standards. Licensee agrees to rearrange its Facilities in accordance with changes in the standards published in the publications specified in Article 3.1 of this Agreement if required by law to do so or upon the mutual agreement of the parties.
- 3.3 Additional Electrical Design Specifications. Licensee agrees that, in addition to specifications and requirements referred to in Article 3.1 above, Licensee's Facilities placed in BellSouth's Conduit System shall meet all of the following electrical design specifications:
 - 3.3.1 No Facility shall be placed in BellSouth's Conduit System in violation of FCC regulations.
 - 3.3.2 Licensee's Facilities placed in BellSouth's Conduit System shall not be designed to use the earth as the sole conductor for any part of Licensee's circuits.
 - 3.3.3 Licensee's Facilities carrying more than 50 volts AC (rms) to ground or 135 volts DC to ground shall be enclosed in an effectively grounded Sheath or shield.
 - 3.3.4 No coaxial cable of Licensee shall occupy a Conduit System containing BellSouth's cable unless such cable of Licensee meets the voltage limitations of Article 820 of the National Electrical Code.
 - 3.3.5 Licensee's coaxial cable may carry continuous DC voltages up to 1800 volts to ground where the conductor current will not exceed one-half amperes and where such cable has two separate grounded metal Sheaths or shields and a suitable insulating jacket over the outer Sheath or shield. The power supply shall be so designed and maintained that the total current carried over the outer Sheath shall not exceed 200 micro amperes under normal conditions. Conditions which would increase the current over this level shall be cleared promptly.
 - 3.3.6 Neither party shall circumvent the other party's corrosion mitigation measures. Each party's new Facilities shall be compatible with the other party's Facilities so as not to damage any Facilities of the other party by corrosion or other chemical reaction.

- 3.4 Additional Physical Design Specifications. Licensee's Facilities placed in BellSouth's Conduit System must meet all of the following physical design specifications:
- 3.4.1 Cables bound or wrapped with cloth or having any kind of fibrous coverings or impregnated with an adhesive material shall not be placed in BellSouth's Conduit or Ducts.
- 3.4.2 The integrity of BellSouth's Conduit System and overall safety of BellSouth's personnel and other personnel working in BellSouth's Conduit System requires that "dielectric cable" be required when Licensee's cable Facility utilizes an alternative Duct or route that is shared in the same trench by any current carrying Facility of a power utility.
- 3.4.3 New construction splices in Licensee's fiber optic and twisted pair cables shall be located in Manholes, pull boxes or Handholes.
- 3.5 Additional Specifications Applicable to Connections. The following specifications apply to connections of Licensee's Conduit to BellSouth's Conduit System:
- 3.5.1 Licensee will be permitted to connect its Conduit or Duct only at the point of a BellSouth Manhole. No attachment will be made by entering or breaking into Conduit between Manholes. All necessary work to install Licensee Facilities will be performed by Licensee or its contractor at Licensee's expense. In no event shall Licensee or its contractor "core bore" or make any other modification to BellSouth Manhole(s) without the prior written approval of BellSouth, which approval will not be unreasonably delayed or withheld.
- 3.5.2 BellSouth may monitor, at Licensee's expense, the entrance and exit of Licensee's Facilities into BellSouth's Manholes and the placement of Licensee's Facilities in BellSouth's Manholes.
- 3.5.3 If Licensee constructs or utilizes a Duct connected to BellSouth's Manhole, the Duct and all connections between that Duct and BellSouth's Manhole shall be sealed, to the extent practicable, to prevent the entry of gases or liquids into BellSouth's Conduit System. If Licensee's Duct enters a building, it shall also be sealed where it enters the building and at all other locations necessary to prevent the entry of gases and liquids from the building into BellSouth's Conduit System.

- 3.6 Requirements Relating to Personnel, Equipment, Material, and Construction Procedures Generally. Duct clearing, rodding or modifications required to grant Licensee access to BellSouth's Conduit Systems may be performed by BellSouth at Licensee's expense at charges which represent BellSouth's actual costs. Alternatively (at Licensee's option) such work may be performed by a contractor who demonstrates compliance with BellSouth certification requirements, which certification requirements shall be consistent with F.C.C. rules. The parties acknowledge that Licensee, its contractors, and other persons acting on Licensee's behalf will perform work for Licensee (e.g., splicing Licensee's Facilities) within BellSouth's Conduit System. Licensee represents and warrants that neither Licensee nor any Person Acting on Licensee's Behalf shall permit any person to climb or work on or in any of BellSouth's Poles or to enter BellSouth's Manholes or work within BellSouth's Conduit System unless such person has the training, skill, and experience required to recognize potentially dangerous conditions relating to Pole or the Conduit Systems and to perform the work safely.
- 3.6.1 Licensee's Facilities within BellSouth's Conduit System shall be constructed, placed, rearranged, modified, and removed upon receipt of License specified in 5.1. However, no such License will be required for the inspection, maintenance, repair or non-physical modifications of Licensee's Facilities.
- 3.6.2 Rodding or clearing of Ducts in BellSouth's Conduit System shall be done only when specific authorization for such work has been obtained in advance from BellSouth, which authorization shall not be unreasonably delayed or withheld by BellSouth. The parties agree that such rodding or clearing shall be performed according to existing industry standards and practices. Licensee may contract with BellSouth for performance of such work or (at Licensee's option) with a contractor who demonstrates compliance with BellSouth certification requirements.
- 3.6.3 Personnel performing work on BellSouth's or Licensee's behalf in BellSouth's Conduit System shall not climb on, step on, or otherwise disturb the other party's or any Third Party's cables, air pipes, equipment, or other Facilities located in any Manhole or other part of BellSouth's Conduit System.
- 3.6.4 Personnel performing work on BellSouth's or Licensee's behalf within BellSouth's Conduit System (including any Manhole) shall, upon completing their work, make reasonable efforts to remove all tools, unused materials, wire clippings, cable Sheathing and other materials brought by them to the work site.
- 3.6.5 All of Licensee's Facilities shall be firmly secured and supported in accordance with BellCore and industry standards.
- 3.6.6 Identification of Facilities in Conduit/Manholes. Licensee's Facilities shall be plainly identified with Licensee's name in each Manhole with a firmly affixed permanent tag that meets standards set by BellSouth for its own Facilities.

- 3.6.6.1 Identification of Pole Attachments. Licensee's Facilities attached to BellSouth Poles shall be plainly identified with Licensee's name firmly affixed at each Pole by a permanent tag that meet industry standards.
- 3.6.7 Manhole pumping and purging required in order to allow Licensee's work operations to proceed shall be performed by a vendor approved by BellSouth in compliance with BellSouth Practice Sec. 620-145-011BT, "Manhole Contaminants, Water, Sediment or Debris Removal and Reporting Procedures," and any amendments, revisions or supplements thereto and in compliance with all regulations and standards established by the United States Environmental Protection Agency and by any applicable state or local environmental regulators.
- 3.6.8 Planks or other types of platforms shall not be installed using cables, pipes or other equipment as a means of support. Platforms shall be supported only by cable racks.
- 3.6.9 Any leak detection liquid or device used by Licensee or personnel performing work on Licensee's Facilities within BellSouth's Conduit System shall be of a type approved by BellSouth or BellCore.
- 3.6.10 When Licensee or personnel performing work on Licensee's behalf are working within or in the vicinity of any part of BellSouth's Poles or Conduit System which is located within, under, over, or adjacent to streets, highways, alleys or other traveled Rights of Way, Licensee and all personnel performing work on Licensee's behalf shall follow procedures which Licensee deems appropriate for the protection of persons and property. Licensee shall be responsible, at all times, for determining and implementing the specific steps required to protect persons and property at the site. Licensee will provide all traffic control and warning devices required to protect pedestrian and vehicular traffic, workers and property from danger. BellSouth shall have no responsibility for the safety of personnel performing work on Licensee's behalf, for the safety of bystanders, and for insuring that all operations conform to current OSHA regulations and all other governmental rules, ordinances or statutes. BellSouth reserves the right to suspend Licensee's activities on, in or in the vicinity of BellSouth's Poles or Conduit System if, in BellSouth's reasonable judgment, any hazardous condition arises due to the activity (including both acts and omissions) of Licensee or any personnel performing work on Licensee's behalf, which suspension shall cease when the condition has been rectified.
- 3.6.11 Except for protective screens, no temporary cover shall be placed by Licensee or personnel performing work on Licensee's behalf over an open Manhole unless it is at least four feet above the surface level of the Manhole opening.
- 3.6.12 Smoking or the use of any open flame is prohibited in BellSouth's Manholes, in any other portion of BellSouth's Conduit System, or within 10 feet of any open Manhole entrance; provided that this provision will not prohibit the use of spark producing tools such as electric drills, fusion splicers, etc.

- 3.6.13 Artificial lighting, when required, will be provided by Licensee. Only explosion-proof lighting fixtures shall be used.
- 3.6.14 Neither Licensee nor personnel performing work on Licensee's behalf shall allow any combustible gas, vapor, liquid, or material to accumulate in BellSouth's Conduit System (including any Manhole) during work operations performed within or in the vicinity of BellSouth's Conduit System.
- 3.6.15 Licensee will abide by any laws, regulations or ordinances regarding the use of spark producing tools, equipment or devices in BellSouth's Manholes, in any other portions of BellSouth's Conduit System, or within 10 feet of any open Manhole opening. This includes, but is not limited to, such tools as electric drills and hammers, meggers, breakdown sets, induction sets, and the like.
- 3.7 Opening of Manholes. The following requirements apply to the opening of BellSouth's Manholes and the authority of BellSouth personnel present when work on Licensee's behalf is being performed within or in the vicinity of BellSouth's Conduit System.
- 3.7.1 BellSouth's Manholes shall be opened only as permitted by BellSouth's authorized employees or agents, which permission shall not be unreasonably denied or delayed.
- 3.7.2 Licensee shall notify BellSouth forty-eight (48) hours in advance of any routine work operation requiring entry into any of BellSouth's Manholes.
- 3.7.3 Licensee shall be responsible for obtaining any necessary authorization from appropriate authorities to open Manholes for Conduit work operations therein.
- 3.7.4 BellSouth's authorized employee or agent shall not direct or control the conduct of Licensee's work at the work site. The presence of BellSouth's authorized employee or agent at the work site shall not relieve Licensee or personnel performing work on Licensee's behalf of their responsibility to conduct all work operations within BellSouth's Conduit System in a safe and workmanlike manner.
- 3.7.5 Although BellSouth's authorized employee or agent shall not direct or control the conduct of Licensee's work at the work site, BellSouth's employee or agent shall have the authority to suspend Licensee's work operations within BellSouth's Conduit System if, in the reasonable discretion of such BellSouth employee or agent, it appears that any hazardous conditions arise or any unsafe practices are being followed by Licensee or personnel performing work on Licensee's behalf.
- 3.8 OSHA Compliance: Notice to BellSouth of Unsafe Conditions. Licensee agrees that:
- 3.8.1 Its Facilities shall be constructed, placed, maintained, repaired, and removed in accordance with the Occupational Safety and Health Act (OSHA) and all rules and regulations promulgated thereunder;

- 3.8.2 All persons acting on Licensee's behalf, including but not limited to Licensee's employees, agents, contractors, and subcontractors shall, when working on or within BellSouth's Poles or Conduit System, comply with OSHA and all rules and regulations thereunder;
- 3.8.3 Licensee shall establish appropriate procedures and controls to assure compliance with all requirements of this section; and
- 3.8.4 Licensee (and any Person Acting on Licensee's Behalf) may report unsafe conditions on, in or in the vicinity of BellSouth's Poles or Conduit System to BellSouth.
- 3.9 Compliance with Environmental Laws and Regulations. Licensee acknowledges that, from time to time, environmental contaminants may enter BellSouth's Conduit System and accumulate in Manholes or other Conduit Facilities and that certain Conduits (transite) are constructed with asbestos-containing materials. If BellSouth has knowledge of the presence of such contaminants in a Conduit for which Licensee has applied for or holds a License, BellSouth will promptly notify Licensee of such fact.

Notwithstanding any of BellSouth's notification requirements in this Attachment, Licensee acknowledges that some of BellSouth's Conduit is fabricated from asbestos-containing materials. Such Conduit is generally marked with a designation of "C Fiber Cement Conduit," "Transite," or "Johns-Manville." Until proven otherwise, Licensee will presume that all Conduit not fabricated of plastic, tile, or wood is asbestos-containing and will handle it pursuant to all applicable regulations relating to worker safety and protection of the environment. BellSouth makes no representations to Licensee or personnel performing work on Licensee's behalf that BellSouth's Conduit System or any specific portions thereof will be free from environmental contaminants at any particular time. The acknowledgments and representations set forth in the two preceding sentences are not intended to relieve BellSouth of any liability which it would otherwise have under applicable law for the presence of environmental contaminants in its Conduit Facilities. Licensee agrees to comply with the following provisions relating to compliance with environmental laws and regulations:

- 3.9.1 Licensee's Facilities shall be constructed, placed, maintained, repaired, and removed in accordance with all applicable federal, state, and local environmental statutes, ordinances, rules, regulations, and other laws, including but not limited to the Resource Conservation and Recovery Act (42 U.S.C. §§ 9601 et. seq.), the Toxic Substance Control Act (15 U.S.C. §§ 2601-2629), the Clean Water Act (33 U.S.C. §§ 1251 et. seq.), and the Safe Drinking Water Act (42 U.S.C. §§ 300f-300j).

- 3.9.2 All persons acting on Licensee's behalf, including but not limited to Licensee's employees, agents, contractors, and subcontractors, shall, when working on, within or in the vicinity of BellSouth's Poles or Conduit System, comply with all applicable federal, state, and local environmental laws, including but not limited to all environmental statutes, ordinances, rules, and regulations.
- 3.9.3 Licensee shall establish appropriate procedures and controls to assure compliance with all requirements of this section. BellSouth will be afforded a reasonable opportunity to review such procedures and controls and provide comments that will be reasonably considered in advance of their implementation. Review and comment by BellSouth pursuant to this section will be provided in a timely manner.
- 3.9.4 Licensee and all personnel performing work on Licensee's behalf shall comply with such standards and practices as BellSouth and Licensee may from time to time mutually agree to adopt to comply with environmental laws and regulations including, without limitation, BellSouth Practice Sec. 620-145-011BT, "Manhole Contaminants, Water, Sediment or Debris Removal and Reporting Procedures". Pursuant to this practice, neither Licensee nor BellSouth nor personnel performing work on either party's behalf shall discharge water or any other substance from any BellSouth Manhole or other Conduit Facility onto public or private property, including any storm water drainage system, without first testing such water or substance for contaminants in accordance with mutually agreed standards and practices and determining that such discharge would not violate any environmental law, create any environmental risk or hazard, or damage the property of any person. No such waste material shall be deposited on BellSouth premises for storage or disposal.
- 3.10 Compliance with Other Governmental Requirements. Licensee agrees that its Facilities attached to BellSouth's Facilities shall be constructed, placed, maintained, and removed in accordance with the ordinances, rules, and regulations of any governing body having jurisdiction of the subject matter. Licensee shall comply with all statutes, ordinances, rules, regulations and other laws requiring the marking and lighting of aerial wires, cables and other structures to ensure that such wires, cables and structures are not a hazard to aeronautical navigation. Licensee shall establish appropriate procedures and controls to assure such compliance by all persons acting on Licensee's behalf, including but not limited to, Licensee's employees, agents, contractors, and subcontractors.
- 3.11 Differences in Standards or Specifications. To the extent that there may be differences in any applicable standards or specifications referred to in this Article 3, the most stringent standard or specification shall apply.

- 3.12 Licensee Solely Responsible for the Condition of Its Facilities. Licensee shall be responsible at all times for the condition of its Facilities and its compliance with the requirements, specifications, rules, regulations, ordinances, and laws specified above. In this regard, BellSouth shall have no duty to Licensee to inspect or monitor the condition of Licensee's Facilities (including but not limited to splices and other Facilities connections) located within BellSouth's Conduit and Ducts or any attachment of Licensee's Facilities to BellSouth's Poles, Anchors, Anchor/Guy Strands or other Pole Facilities. BellSouth may, however, conduct such inspections and audits of its Poles and Conduit System as BellSouth determines reasonable or necessary. Such inspection and audits shall be conducted at BellSouth's expense with the exception of (1) follow-up inspection to confirm remedial action after an observed Licensee violation of the requirements of this Agreement; and (2) inspection of Licensee Facilities in compliance with a specific mandate of appropriate governmental authority for which inspections the Cost shall be borne by Licensee. Either party may audit the other party's compliance with the terms of this Section. Observed safety hazards or imminent Facility failure conditions of another party shall be reported to the affected party where such party can be readily identified.
- 3.13 Efficient use of Conduit. BellSouth will install Inner-Ducts to increase Duct space in existing Conduit as Facilities permit. The full complement of Inner-Ducts will be installed which can be accommodated under sound engineering principles. The number of Inner-Ducts which can reasonably be installed will be determined by BellSouth.

4. ADDITIONAL LEGAL REQUIREMENTS

- 4.1 Third Party Property Owners. Licenses granted under this Section authorize Licensee to place Facilities in, or attach Facilities to, Poles, Conduits and Ducts owned or controlled by BellSouth but do not affect the rights of landowners to control terms and conditions of access to their property.
- 4.1.1 Licensee agrees that neither Licensee nor any persons acting on Licensee's behalf, including but not limited to Licensee's employees, agents, contractors, and subcontractors, shall engage in any conduct which damages public or private property in the vicinity of BellSouth's Poles or Conduit System, interferes in any way with the use or enjoyment of public or private property except as expressly permitted by the owner of such property, or creates a hazard or nuisance on such property (including, but not limited to, a hazard or nuisance resulting from any abandonment or failure to remove Licensee's Facilities or any construction debris from the property, failure to erect warning signs or barricades as may be necessary to give notice to others of unsafe conditions on the premises while work performed on Licensee's behalf is in progress, or failure to restore the property to a safe condition after such work has been completed).

- 4.2 Required Permits, Certificates and Licenses. Licensee shall be responsible for obtaining any building permits or certificates from governmental authorities necessary to construct, operate, maintain and remove its Facilities on public or private property.
- 4.2.1 Licensee shall not attach or place its Facilities to or in BellSouth's Poles, Conduit or Duct located on any property for which it or BellSouth has not first obtained all required authorizations.
- 4.2.2 BellSouth shall have the right to request evidence that all appropriate authorizations have been obtained. However, such request shall not delay BellSouth's Pre-License Survey work.
- 4.3 Lawful Purposes. All Facilities placed by Licensee in BellSouth's Conduit and Ducts or on BellSouth's Poles, Anchors or Anchor/Guy Strands must serve a lawful purpose and the uses made of Licensee's Facilities must comply with all applicable federal, state, and local laws and with all federal, state, and local regulatory rules, regulations, and requirements. In this regard, Licensee shall not utilize any Facilities occupying or attached to BellSouth's Conduits, Ducts or Poles for the purpose of providing any services which it is not authorized by law to provide or for the purpose of enabling any other person or entity to provide any such services.

5. FACILITIES AND LICENSES

- 5.1 Licenses Required. Before placing any Facilities in BellSouth's Conduits or Ducts or attaching any Facilities to BellSouth's Poles, Anchors or Anchor/Guy Strands, Licensee must first apply for and receive a written License from BellSouth.
- 5.2 Provision of Records and Information to Licensee. In order to obtain information regarding Facilities, Licensee shall make a written request to BellSouth, identifying with reasonable specificity the geographic area for which Facilities are required, the types and quantities of the required Facilities and the required in-service date. In response to such request, BellSouth shall provide Licensee with information regarding the types, quantity and location (which may be provided by provision of route maps) and availability of BellSouth Poles, Conduit and right-of-way located within the geographic area specified by Licensee. Provision of information under the terms of this section shall include the right of Licensee employees or agents to inspect and copy engineering records or drawings which pertain to those Facilities within the geographic area identified in Licensee's request. Such inspection and copying shall be done at a time and place listed in Appendix II of this agreement.. The costs of producing and mailing copies of records, which are to be paid by Licensee, are on an individual case basis. The components which make up the total costs are actual:

- 1) BellSouth employee costs based on the time spent researching, reviewing and copying records
- 2) Copying costs
- 3) Shipping costs

5.3 No Warranty of Record Information. Licensee acknowledges that records and information provided by BellSouth pursuant to paragraph 5.2 may not reflect field conditions and that physical inspection is necessary to verify presence and condition of outside plant Facilities and Right of Way. In providing such records and information, BellSouth assumes no liability to Licensee or any Third Party for errors/omissions contained therein.

5.4 Determination of Availability. BellSouth shall provide Pole, Conduit and right-of-way availability information in response to a request from Licensee which identifies with reasonable specificity the Facilities for which such information is desired. If such request includes Jpoint Use Pole(s) BellSouth shall respond with respect to such Joint Use Pole(s) as to what Make-Ready Work is required for BellSouth's Facilities, only. Notwithstanding any other provision, BellSouth shall not determine space availability upon any Joint Use Pole(s). Licensee may elect to be present at any field based survey of Facilities identified pursuant to this paragraph and BellSouth shall provide Licensee at least forty-eight (48) hours notice prior to initiating such field survey. Licensee employees or agents shall be permitted to enter BellSouth Manholes and inspect such structures to confirm usability and/or evaluate condition of the structure(s) with at least forty-eight (48) hours notice to BellSouth, with a BellSouth representative present and at Licensee's expense.

5.5 Assignment of Conduit, Duct and Pole Space. BellSouth shall not unreasonably deny or delay issuance of any License and, in any event, BellSouth shall issue such License as follows: (a) after the determination has been made that Make-Ready Work is not required, or (b) completion of Make-Ready Work.

5.5.1 No Make-Ready Work Required. If BellSouth determines that no Make-Ready Work is required, BellSouth shall approve Applications for Pole attachment and Conduit Occupancy Licenses and issue such Licenses within twenty (20) business days after the determination has been made that no Make-Ready Work is required, but in no event later than 45 days after BellSouth receives Licensee's Application, which period shall exclude any time BellSouth is awaiting a response from Licensee.

5.5.2 Make-Ready Work Required. If Make-Ready Work is to be performed by BellSouth, such available space shall remain in effect until make-ready costs are presented to Licensee and approval by Licensee pursuant to the time frames herein stated in 6.2. If Licensee approves BellSouth's make-ready costs, Licensee shall have twelve (12) months from the date of Application approval to install its Facilities.

If Licensee rejects BellSouth's costs for Make-Ready Work, but then elects to perform the Make-Ready Work itself or through a contractor or if Licensee elects from the time of Application to perform the Make-Ready Work itself or through a contractor, Licensee shall install its Facilities within twelve (12) months from the date that Licensee informs BellSouth that Licensee will perform Make-Ready Work. In the event Licensee does not install its Facilities within the time frames set out in this Section 5.5, the assignment shall be void and such space shall become available.

6. MAKE-READY WORK

- 6.1 Work Performed by BellSouth. If performed by BellSouth, Make-Ready Work to accommodate Licensee's Facilities on Poles, Joint Use Pole(s) or in Conduit System shall be included in the normal work load schedule of BellSouth with construction responsibilities in the geographic areas where the relevant Poles or Conduit Systems are located and shall not be entitled to priority, advancement, or preference over other work to be performed by BellSouth in the ordinary course of BellSouth's business.
- 6.1.1 If Licensee desires Make-Ready Work to be performed on an expedited basis and BellSouth agrees to perform the work on such a basis, BellSouth shall recalculate the estimated make-ready charges. If Licensee accepts BellSouth's offer, Licensee shall pay such additional charges.
- 6.2 All charges for Make-Ready Work, including work on Joint Use Pole(s), performed by BellSouth are payable in advance, with the amount of any such advance payment to be due within sixty (60) days after receipt of an invoice from BellSouth. BellSouth will begin Make-Ready Work required to accommodate Licensee after receipt of Licensee's make-ready payment.
- 6.3 Work Performed by Certified Contractor. In lieu of obtaining performance of Make-Ready Work by BellSouth, Licensee at its option may arrange for the performance of such work by a contractor certified by BellSouth to work on or in its Facilities. Certification shall be granted based upon reasonable and customary criteria employed by BellSouth in the selection of its own contract labor. Notwithstanding any other provisions of this Section, Licensee may not employ a contractor to accomplish Make-Ready Work if BellSouth is likewise precluded from contractor selection under the terms of an applicable joint use agreement or collective bargaining agreement. In accordance with section 3.6.7, all Manhole pumping and purging shall be performed by a vendor approved by BellSouth.
- 6.4 Completion of Make-Ready Work. BellSouth will issue a License to Licensee at the time all Make-Ready Work necessary to Licensee's attachment or occupancy has been completed.

7. APPLICATION FORM AND FEES

- 7.1 Application Process. To apply for a License under this Attachment, Licensee shall submit the appropriate BellSouth administrative form(s), per Exhibit 2, (two (2) sets of each and either a route map specifically indicating Licensee desired route or engineered drawings are to be included). Licensee has the option of (1) requesting copies of BellSouth records only, (2) requesting a records and/or field survey to determine availability, and/or (3) requesting a make-ready estimate. Any Joint Use Pole(s) included in such a request shall be included in the records/field survey and make-ready estimate. Before the Application and Conduit Occupancy License or Application and Pole Attachment License form is approved for attachment, Make-Ready Work must be complete or a records or field survey has determined that Make-Ready Work is not required. Licensee shall submit with Licensee's License Application a proposed or estimated construction schedule as set forth below in Section 10.

BellSouth will process License Applications in the order in which they are received; provided, however, that when Licensee has multiple Applications on file with BellSouth, Licensee may designate its desired priority of completion of pre-licenses and Make-Ready Work with respect to all such Applications.

- 7.1.1 Each Application for a License under this Section shall specify the proposed route of Licensee's Facilities and identify the Conduits and Ducts or Poles, Joint Use Pole(s) and Pole Facilities along the proposed route in which Licensee desires to place or attach its Facilities, and describe the physical size, weight and jacket material of the cable which Licensee desires to place in each Conduit or Duct or the number and type of cables, apparatus enclosures and other Facilities which Licensee desires to attach to each Pole or Joint Use Pole.
- 7.1.2 Each Application for a License under this Section shall be accompanied by a proposed (or estimated) construction schedule containing the information specified below in 10.1 of this Agreement, and an indication of whether Licensee will, at its option, perform its own Make-Ready Work.

Multiple Cables, Multiple Services, Lashing or Placing Additional Cables, and Replacement of Facilities. Licensee may include multiple cables in a single License Application and multiple services (e.g., CATV and non-CATV services) may be provided by Licensee in the same cable Sheath. Licensee's Lashing additional cable to existing Facilities and placing additional cables in Conduits or Ducts already occupied by Licensee's Facilities shall be permitted, and no additional fees will be applied; provided, however, that if Licensee desires to lash additional cable to existing Facilities of a Third Party, Licensee shall provide BellSouth with reasonable notice, and shall obtain written permission from the owner of the existing Facilities. If BellSouth determines that the requested Lashing would violate safety or engineering requirements, BellSouth shall provide written notice to Licensee within a reasonable time specifying in detail BellSouth's findings. If Licensee desires to place additional cables in Conduits or Ducts which are already occupied, or to replace existing Facilities with new Facilities substantially different from those described in Licenses in effect, Licensee must apply for and acquire a new License specifically describing the physical size, weight and jacket material of the cable to be placed in BellSouth's Conduits and Ducts or the physical size, weight, and jacket type of cables and the size and weight of apparatus enclosures and other Facilities to be attached to BellSouth Poles.

- 7.3 Each party hereby designates the employees named below as their single point of contact for any and all purposes of this Section, including, but not limited to, processing Licenses and Applications and providing records and information. Each party may at any time designate a new point of contact by giving written notice of such change.

		Notices	Billing Address	
<i>To Licensee as follows:</i>				
Contact				
Title				
Company				
Address				
Address				
City, State, and Zip Code				
Telephone				
Facsimile				
<i>with a copy to:</i>				
<i>and to Licensor as follows:</i>				
Contact		Arthur B. Williams		
Title		Manager		
Company		BellSouth Telecommunications, Inc.		
Address		North W3D2		
Address		3535 Colonnade Parkway		
City, State, and Zip Code		Birmingham, AL 35243		
Telephone		(205) 977-5068		
Facsimile		(205) 977-7997		

8. PROCESSING OF APPLICATIONS (INCLUDING PRELICENSE SURVEYS AND FIELD INSPECTIONS)

- 8.1 Licensee's Priorities. When Licensee has multiple Applications on file with BellSouth, Licensee shall designate its desired priority of completion of Pre-License Surveys and Make-Ready Work with respect to all such Applications.
- 8.2 Prelicense Survey. After Licensee has submitted its written Application for a License, a Pre-License Survey (including a field inspection) will be performed by either party, in the company of a representative of the other party as mutually agreed, to determine whether BellSouth's Poles, Anchors and Anchor/Guy Strands, or Conduit System, in their present condition, can accommodate Licensee's Facilities, without substantially interfering with the ability of BellSouth or any other authorized person or entity to use or access the Pole, Anchor or Anchor/Guy Strand or any portion of BellSouth's Conduit System or Facilities attached to BellSouth's Pole or placed within or connected to BellSouth's Conduit System. If Pre-License Survey is to be conducted by BellSouth, BellSouth will provide Licensee a Cost, based on its review of Licensee's Application request, to perform the Pre-License Survey. BellSouth will submit to Licensee costs to complete the Pre-License Survey; after receipt of Licensee's payment of Pre-License Survey costs, BellSouth will schedule the survey. If Licensee gives its prior written consent in writing, the determination of Duct availability may include the rodding of Ducts at Licensee's expense.
- 8.2.1 The purpose of the Pre-License Survey is to determine whether Licensee's proposed attachments to BellSouth's Poles or occupancy of BellSouth's Conduit and Ducts will substantially interfere with use of BellSouth's Facilities by BellSouth and others with Facilities occupying, connected or attached to BellSouth's Pole or Conduit System and to determine what Make-Ready Work is required to accommodate Licensee's Facilities on BellSouth's Poles, Joint Use Pole(s), or Conduit, Duct, or Right-of-Way and the cost associated with BellSouth performing such Make-Ready Work and to provide information to Licensee for its determination of whether the Pole, Anchor, Anchor/Guy Strand, Conduit, Duct, or Right-of-Way is suitable for its use.
- 8.2.2 Based on information provided by BellSouth, Licensee shall determine whether BellSouth's Pole, Anchor, Anchor/Guy Strand, Conduit and Duct Facilities are suitable to meet Licensee's needs.
- 8.2.3 BellSouth may not unreasonably refuse to continue to process an Application based on BellSouth's determination that Licensee's proposed use of BellSouth's Facilities will not be in compliance with applicable requirements, specifications, rules, regulations, ordinances, and laws. Licensee shall be responsible for making its own, independent determination that its use of such Facilities will be in compliance with such requirements, specifications, rules, regulations, ordinances and laws. Licensee acknowledges that BellSouth is not explicitly or implicitly warranting to Licensee that Licensee's proposed use of BellSouth's Facilities will be in compliance with applicable requirements, specifications, rules, regulations, ordinances, and laws.

- 8.3 Administrative Processing. The administrative processing portion of the Pre-License Survey (which includes without limitation processing the Application, preparing Make-Ready Work orders, notifying Joint Users and other persons and entities of work requirements and schedules, coordinating the relocation/rearrangement of BellSouth and/or other Licensed Facilities) will be performed by BellSouth at Licensee's expense. Anything to the contrary herein notwithstanding, BellSouth shall bear no responsibility for the relocation, rearrangement or removal of Facilities used for the transmission or distribution of electric power.

9. ISSUANCE OF LICENSES

- 9.1 Obligation to Issue Licenses. BellSouth shall issue a License to Licensee pursuant to this Article 5.1. BellSouth and Licensee acknowledge that each Application for a License shall be evaluated on an individual basis. Nothing contained in this section shall be construed as abridging any independent Pole attachment rights or Conduit or Duct access rights which Licensee may have under the provisions of any applicable federal or state laws or regulations governing access to BellSouth's Poles, Conduits and Ducts, to the extent the same are not inconsistent with the Telecommunications Act of 1996. Each License issued hereunder shall be for an indefinite term, subject to Licensee's compliance with the provisions applicable to such License and further subject to Licensee's right to terminate such License at any time for any reason upon at least thirty (30) days' prior written notice.

- 9.1.1 Issuance of Licenses When No Make-Ready Work is Required Moved to 5.5.1.

- 9.2 Multiple Applications. Licensee acknowledges that multiple parties including BellSouth may seek to place their Facilities in BellSouth's Conduit and Ducts or make attachments to Poles at or about the same time, that the Make-Ready Work required to prepare BellSouth's Facilities to accommodate multiple applicants may differ from the Make-Ready Work required to accommodate a single applicant, that issues relating to the proper apportionment of costs arise in multi-applicant situations that do not arise in single-applicant situations, and that cooperation and negotiations between all applicants and BellSouth may be necessary to resolve disputes involving multiple Applications for permission to place Facilities in/on the same Pole, Conduit, Duct, or right-of-way.

- 9.2.1 All Applications will be processed on a first-come, first-served basis.

- 9.3 Agreement to Pay for All Make-Ready Work Completed. Licensee's submission of written authorization for Make-Ready Work shall also constitute Licensee's agreement to pay additional cost-based charges, if any, for completed Make-Ready Work.

- 9.4 Payments to Others for Expenses Incurred in Transferring or Arranging Their Facilities. Licensee shall make arrangements with the owners of other Facilities located in or connected to BellSouth's Conduit System or attached to BellSouth's Poles, Anchors or Anchor/Guy Strands regarding reimbursement for any expenses incurred by them in transferring or rearranging their Facilities to accommodate the placement or attachment of Licensee's Facilities in or to BellSouth's structures.
- 9.5 Make-Ready Work on an Expedited Basis. If Licensee is willing to authorize BellSouth to perform Make-Ready Work on an expedited basis, and if BellSouth agrees to perform the work on such a basis, BellSouth shall recalculate the estimated make-ready charges. If Licensee accepts BellSouth's offer, Licensee shall pay such additional charges, if any. All charges for Make-Ready Work performed by BellSouth are payable in advance, with the amount of any such advance payment to be due within sixty (60) days after receipt of an invoice from BellSouth. After receipt of payment, BellSouth will schedule the work for completion.
- 9.6 License. When Licensee's Application for a Pole attachment or Conduit Occupancy License is approved, and all required Make-Ready Work completed, BellSouth will execute and return a signed authorization to Licensee, as appropriate, authorizing Licensee to attach or place the specified Facilities on BellSouth's Poles or in BellSouth's Conduit or Ducts.
- 9.6.1 Each License issued under this Section shall authorize Licensee to attach to BellSouth's Poles or place or maintain in BellSouth's Conduit or Ducts only those Facilities specifically described in the License, and no others.
- 9.6.2 Except as expressly stated to the contrary in individual Licenses issued hereunder, each License issued pursuant to this Section shall incorporate all terms and conditions of this Section whether or not such terms or conditions are expressly incorporated by reference on the face of the License itself.
- 10. CONSTRUCTION OF LICENSEE'S FACILITIES**
- 10.1 Construction Schedule. Licensee shall submit with Licensee's License Application a proposed or estimated construction schedule. Promptly after the issuance of a License permitting Licensee to attach Facilities to BellSouth's Poles or place Facilities in BellSouth's Conduit or Ducts, Licensee shall provide BellSouth with an updated construction schedule and shall thereafter keep BellSouth informed of significant anticipated changes in the construction schedule. Construction schedules required by this Section shall include, at a minimum, the following information:
- 10.1.1 The name, title, business address, and business telephone number of the manager responsible for construction of the Facilities;
- 10.1.2 The names of each contractor and subcontractor which will be involved in the construction activities;

- 10.1.3 The estimated dates when construction will begin and end; and
- 10.1.4 The approximate dates when Licensee or persons acting on Licensee's behalf will be performing construction work in connection with the placement of Licensee's Facilities in BellSouth's Conduit or Ducts.
- 10.2 Additional Pre-construction Procedures for Facilities Placed in Conduit System. The following procedures shall apply before Licensee places Facilities in BellSouth's Conduit System:
- 10.2.1 Licensee shall give written notice of the type of Facilities which are to be placed; and
- 10.2.2 BellSouth shall designate the particular Duct or Ducts or inner ducts (if Available) to be occupied by Licensee's Facilities, the location and manner in which Licensee's Facilities will enter and exit BellSouth's Conduit System, and the specific location and manner of installation of any associated equipment which is permitted by BellSouth to occupy the Conduit System. Licensee may not occupy a Duct other than the specified Duct without the express written consent of BellSouth. BellSouth shall provide to Licensee space in Manholes for racking and storage of up to fifty (50) feet of cable, provided space is available.
- 10.3 BellSouth Not Responsible for Constructing or Placing Facilities. BellSouth shall have no obligation to construct any Facilities for Licensee or to attach Licensee's Facilities to, or place Licensee's Facilities in, BellSouth's Poles or Conduit System, except as may be necessary to facilitate the interconnection of unbundled network elements or except to the extent expressly provided in this Section, any License issued hereunder, or by the Telecommunications Act of 1996 or any other applicable law.
- 10.4 Licensee Responsible for Constructing, Attaching and Placing Facilities. Except where otherwise mutually agreed by Licensee and BellSouth, Licensee shall be responsible for constructing its own Facilities and attaching those Facilities to, or placing them in BellSouth's Poles, Conduit or Ducts at Licensee's sole Cost and expense. Licensee shall be solely responsible for paying all persons and entities who provide materials, labor, access to real or personal property, or other goods or services in connection with the construction and placement of Licensee's Facilities and for directing the activities of all persons acting on Licensee's behalf while they are physically present on BellSouth's Pole, in any part of BellSouth's Conduit System or in the vicinity of BellSouth's Poles or Conduit System.
- 10.5 Compliance with Applicable Standards, Health and Safety Requirements, and Other Legal Requirements. Licensee shall construct its Facilities in accordance with the provisions of this Section and all Licenses issued hereunder.
- 10.5.1 Licensee shall construct, attach and place its Facilities in compliance with all Requirements and Specifications set forth above in this Agreement.

- 10.5.2 Licensee shall satisfy all Legal Requirements set forth above in this Agreement.
- 10.5.3 Licensee shall not permit any Person Acting on Licensee's Behalf to perform any work on BellSouth's Poles or within BellSouth's Conduit System without first verifying, to the extent practicable, on each date when such work is to be performed, that the condition of the Pole or Conduit System is suitable for the work to be performed. If Licensee or any person working on Licensee's behalf determines that the condition of the Pole or Conduit System is not suitable for the work to be performed, Licensee shall notify BellSouth of the condition of the Pole or Conduit System in question and shall not proceed with construction activities until Licensee is satisfied that the work can be safely performed.
- 10.6 Construction Notices. If requested to do so, Licensee shall provide BellSouth with information to reasonably assure BellSouth that construction has been performed in accordance with all applicable standards and requirements.
- 10.7 Points for Attachment. BellSouth shall specify, using the same selection criteria it uses for its own operating company, the point of attachment of each Pole or Anchor to be occupied by Licensee's Facilities. When the Facilities of more than one applicant are involved, BellSouth will attempt, to the extent practicable, to designate the same relative position on each Pole or Anchor for each applicant's Facilities.
- 10.8 Manhole and Conduit Break-Outs. Licensee shall be permitted to add Conduit ports to BellSouth Manholes when existing Conduits do not provide the pathway connectivity needed by Licensee; provided the structural integrity of the Manhole is maintained, and sound engineering judgment is employed.
- 10.9 Completion of Licensee Construction. For each Licensee attachment to or occupancy within BellSouth Facilities, Licensee will provide to BellSouth's single-point of contact (within 20 days of Licensee construction-complete date) a complete set of actual placement drawings for posting to BellSouth records.
- 11. USE AND ROUTINE MAINTENANCE OF LICENSEE'S FACILITIES**
- 11.1 Use of Licensee's Facilities. Each License granted under this Section authorizes Licensee to have access to Licensee's Facilities on or in BellSouth's Poles, Conduits and Ducts as needed for the purpose of serving Licensee's customers, including, but not limited to, powering electronics, monitoring Facilities, or transporting signaling.

- 11.2 Routine Maintenance of Licensee's Facilities. Each License granted under this Section authorizes Licensee to engage in routine maintenance of Licensee's Facilities located on or in BellSouth's Poles, Conduits, Ducts and ROW pursuant to such License. Licensee shall give reasonable notice to the affected public authority or private landowner as appropriate before commencing the construction or installation of its attachments or making any material alterations thereto. Licensee shall give reasonable notice to BellSouth before performing any work, whether or not of a routine nature, in BellSouth's Conduit System.
- 11.3 Licensee Responsible for Maintenance of Licensee's Facilities. Licensee shall maintain its Facilities in accordance with the provisions of this Section (including but not limited to all requirements set forth above in this Agreement) and all Licenses issued hereunder. Licensee shall be solely responsible for paying all persons and entities who provide materials, labor, access to real or personal property, or other goods or services in connection with the maintenance of Licensee's Facilities and for directing the activities of all persons acting on Licensee's behalf while they are physically present on BellSouth's Poles, within BellSouth's Conduit System or in the immediate vicinity of such Poles or Conduit System.
- 11.4 BellSouth Not Responsible for Maintaining Licensee's Facilities. BellSouth shall have no obligation to maintain any Facilities which Licensee has attached or connected to, or placed in, BellSouth's Poles, Conduits, Ducts or any portion of BellSouth's Conduit System, except to the extent expressly provided by the provisions of this Section or any License issued hereunder, or by the Telecommunications Act of 1996 or other applicable laws, rules or regulations.
- 11.5 Information Concerning the Maintenance of Licensee's Facilities. Promptly after the issuance of a License permitting Licensee to attach Facilities to, or place Facilities in BellSouth's Poles, Conduits or Ducts, Licensee shall provide BellSouth with the name, title, business address, and business telephone number of the manager responsible for routine maintenance of Licensee's Facilities, and shall thereafter notify BellSouth of changes to such information. The manager responsible for routine maintenance of Licensee's Facilities shall, on BellSouth's request, identify any contractor, subcontractor, or other person performing maintenance activities on Licensee's behalf at a specified site and shall, on BellSouth's request, provide such additional documentation relating to the maintenance of Licensee's Facilities as reasonably necessary to demonstrate that Licensee and all persons acting on Licensee's behalf are complying with the requirements of this Section and Licenses issued hereunder.
- 11.6 Identification of Personnel Authorized to Have Access to Licensee's Facilities. All personnel authorized to have access to Licensee's Facilities shall, while working on BellSouth's Poles, in its Conduit System or Ducts or in the vicinity of such Poles, Ducts or Conduit Systems, carry with them suitable identification and shall, upon the request of any BellSouth employee, produce such identification.

12. MODIFICATION AND REPLACEMENT OF LICENSEE'S FACILITIES

- 12.1 Notification of Planned Modification or Replacement of Facilities. Licensee shall, when practicable, notify BellSouth in writing at least 60 days before adding to, relocating, replacing or otherwise modifying its Facilities attached to a BellSouth Pole, Anchor or Anchor/Guy Strand or located in any BellSouth Conduit or Duct. The notice shall contain sufficient information to enable BellSouth to determine whether the proposed addition, relocation, replacement, or modification is permitted under Licensee's present License or requires a new or amended License.
- 12.2 New or Amended License Required. A new or amended License will be required if the proposed addition, relocation, replacement, or modification:
- 12.2.1 Requires that Licensee use additional space on BellSouth's Poles or in its Conduits or Ducts (including but not limited to any additional Ducts, inner ducts, or substantial space in any Handhole or Manhole) on either a temporary or permanent basis; or
- 12.2.2 Results in the size or location of Licensee's Facilities on BellSouth's Poles or in its Conduit or Ducts being appreciably different from those described and authorized in Licensee's present License (e.g. different Duct or size increase causing a need to recalculate storm loadings, guying, or Pole class).

13. REARRANGEMENT OF FACILITIES AT THE REQUEST OF ANOTHER

- 13.1 Make-Ready Work at the Request of Licensee. If, prior to the issuance of a License, Licensee determines that any Pole, Anchor, Anchor/Guy Strand, Conduit or Duct is inadequate to accommodate Licensee's proposed Pole attachment or Conduit Occupancy or that it will be necessary or desirable for BellSouth or any other person or entity to rearrange existing Facilities or structures to accommodate Licensee, Licensee shall promptly advise BellSouth of the Make-Ready Work it believes necessary to enable the accommodation of Licensee's Facilities.
- 13.1.1 BellSouth shall determine, in the exercise of sound engineering judgment, whether or not Make-Ready Work is necessary or possible. In determining whether Make-Ready Work is necessary or what Make-Ready Work is necessary, BellSouth shall endeavor to minimize its costs to Licensee. If it is determined that such Make-Ready Work is required, BellSouth shall provide Licensee with the estimated costs for Make-Ready Work and a Make Ready Due Date.

- 13.1.2 Licensee shall be solely responsible for negotiating with persons or entities other than BellSouth for the rearrangement of such persons' or entities' Facilities or structures and, except where such rearrangement is for the benefit of BellSouth and/or other Licensees as well as Licensee, shall be solely responsible for paying all charges attributable to the rearrangement of such Facilities; provided, however, that if Facilities rearrangements require new Licenses from BellSouth, BellSouth shall issue such Licenses in conjunction with the issuance of the applied-for License to Licensee.
- 13.2 Rearrangement of Licensee's Facilities at BellSouth's Request. Licensee acknowledges that, from time to time, it may be necessary or desirable for BellSouth to change out Poles, relocate, reconstruct, or modify portions of its Conduit System or rearrange Facilities contained therein or connected thereto and that such changes may be necessitated by BellSouth's business needs or authorized Application of another entity seeking access to BellSouth's Poles or Conduit Systems. Licensee agrees that Licensee will, upon BellSouth's request, and at BellSouth's expense, but at no Cost to Licensee, participate with BellSouth (and other Licensees) in the relocation, reconstruction, or modification of BellSouth's Conduit System or Facilities rearrangement. Licensee acknowledges that, from time to time, it may be necessary or desirable for BellSouth to change out Poles, relocate, reconstruct, or modify portions of its Conduit System or rearrange Facilities contained therein or connected thereto as a result of an order by a municipality or other governmental authority. Licensee shall, upon BellSouth's request, participate with BellSouth (and other Licensees) in the relocation, reconstruction, or modification of BellSouth's Conduit System or Facilities rearrangement and pay its proportionate share of any costs of such relocation, reconstruction, or modification that are not reimbursed by such municipality or governmental authority.
- 13.2.1 Licensee shall make all rearrangements of its Facilities within such period of time as is jointly deemed reasonable by the parties based on the amount of rearrangements necessary and a desire to minimize chances for service interruption or Facility-based service denial to a Licensee customer.
- 13.2.2 If Licensee fails to make the required rearrangements within the time prescribed or within such extended periods of time as may be granted by BellSouth in writing, BellSouth may perform such rearrangements with written notice to Licensee, and Licensee shall reimburse BellSouth for actual costs and expenses incurred by BellSouth in connection with the rearrangement of Licensee's Facilities; provided, however, that nothing contained in this Section or any License issued hereunder shall be construed as requiring Licensee to bear any expenses which, under the Telecommunications Act of 1996 or other applicable federal or state laws or regulations, are to be allocated to persons or entities other than Licensee; and provided further, however, that Licensee shall have no responsibility for rearrangement costs and expenses relating to rearrangements performed for the purpose of meeting BellSouth's business needs.

14. EMERGENCY REPAIRS AND POLE REPLACEMENTS

- 14.1 Licensee Responsible for Emergency Repairs to its Own Facilities. In general, Licensee shall be responsible for making emergency repairs to its own Facilities and for formulating appropriate plans and practices which will enable it to make such emergency repairs. BellSouth shall be under no obligation to perform any repair or service restoration work of any kind with respect to Licensee's Facilities.

15. INSPECTION BY BELL SOUTH OF LICENSEE'S FACILITIES

- 15.1 BellSouth's Right to Make Periodic or Spot Inspections. BellSouth shall have the right to make periodic or spot inspections at any time of any part of Licensee's Facilities attached to BellSouth's Poles, Anchors or Anchor/Guy Strands or occupying any BellSouth Conduit or Duct for the limited purpose of determining whether Licensee's Facilities are in compliance with the terms of this Section and Licenses hereunder; provided that such inspections must be non-invasive (e.g., no splice cases may be opened).
- 15.1.1 BellSouth will give Licensee advance written notice of such inspections, and Licensee shall have the right to have a representative attend such inspections, except in those instances where safety considerations justify the need for such inspection without the delay of waiting until written notice has been forwarded to Licensee.
- 15.1.2 Such inspections shall be conducted at BellSouth's expense; provided, however, that Licensee shall bear the Cost of inspections as delineated in 3.12.
- 15.2 No Duty to Licensee. Neither the act of inspection by BellSouth of Licensee's Facilities nor any failure to inspect such Facilities shall operate to impose on BellSouth any liability of any kind whatsoever or to relieve Licensee of any responsibility, obligations or liability under this Section or otherwise existing.

16. NOTICE OF NONCOMPLIANCE

- 16.1 Notice of Noncompliance. If, at any time, BellSouth determines that Licensee's Facilities or any part thereof have not been placed or maintained or are not being used in accordance with the requirements of this Agreement, BellSouth may send written notice to Licensee specifying the alleged noncompliance. Licensee agrees to acknowledge receipt of the notice as soon as practicable. If Licensee does not dispute BellSouth's assertion that such Facilities are not in compliance, Licensee agrees to provide BellSouth with a schedule for bringing such Facilities into compliance, to bring the Facilities into compliance within a reasonable time, and to notify BellSouth in writing when the Facilities have been brought into compliance.

- 16.2 Disputes over Alleged Noncompliance. If Licensee disputes BellSouth's assertion that Licensee's Facilities are not in compliance, Licensee shall notify BellSouth in writing of the basis for Licensee's assertion that its Facilities are in compliance.
- 16.3 Failure to Bring Facilities into Compliance. If Licensee has not brought the Facilities into compliance within a reasonable time or provided BellSouth with proof sufficient to persuade BellSouth that BellSouth erred in asserting that the Facilities were not in compliance, and if BellSouth determines in good faith that the alleged noncompliance causes or is likely to cause material damage to BellSouth's Facilities or those of other users, BellSouth may, at its option and Licensee's expense, take such non-service affecting steps as may be required to bring Licensee's Facilities into compliance, including but not limited to correcting any conditions which do not meet the specifications of this Agreement.
- 16.4 Correction of Conditions by BellSouth. If BellSouth elects to bring Licensee's Facilities into compliance, the provisions of this Section shall apply.
- 16.4.1 BellSouth will, whenever practicable, notify Licensee in writing before performing such work. The written notice shall describe the nature of the work to be performed and BellSouth's schedule for performing the work.
- 16.4.2 If Licensee's Facilities have become detached or partially detached from supporting racks or wall supports located within a BellSouth Manhole, BellSouth may, at Licensee's expense, reattach them but shall not be obligated to do so. If BellSouth does not reattach Licensee's Facilities, BellSouth shall endeavor to arrange with Licensee for the reattachment of any Facilities affected.
- 16.4.3 BellSouth shall, as soon as practicable after performing the work, advise Licensee in writing of the work performed or action taken. Upon receiving such notice, Licensee shall inspect the Facilities and take such steps as Licensee may deem necessary to insure that the Facilities meet Licensee's performance requirements.
- 16.5 Licensee to Bear Expenses. Licensee shall bear all expenses arising out of or in connection with any work performed to bring Licensee's Facilities into compliance with this Section; provided, however that nothing contained in this Section or any License issued hereunder shall be construed as requiring Licensee to bear any expenses which, under applicable federal or state laws or regulations, must be borne by persons or entities other than Licensee.

17. UNAUTHORIZED OCCUPANCY OR UTILIZATION OF BELL SOUTH'S FACILITIES

- 17.1 Licensing or Removal of Unauthorized Attachments. If any of Licensee's attachments shall be found attached to Pole(s) or occupying Conduit Systems for which no License is outstanding, BellSouth, without prejudice to its other rights or remedies under this Agreement, including termination of Licenses, may impose a charge and require Licensee to submit in writing, within thirty (30) days after receipt of written notification from BellSouth of the unauthorized attachment or Conduit Occupancy, a Pole attachment or Conduit Occupancy License Application. If such Application is not received by BellSouth within the specified time period, Licensee may be required at BellSouth's option to remove its unauthorized attachment or occupancy within sixty (60) days of the final date for submitting the required Application, or BellSouth may at BellSouth's option remove Licensee's Facilities without liability, and the expense of such removal shall be borne by Licensee. Charges for any such unauthorized occupancy shall be equal to the applicable License fees and charges which would have been payable from and after the date such Facilities were first placed on BellSouth's Poles or in BellSouth's Conduit System, if Licensee provides reasonable documentation of such placement. If Licensee is unable to provide such reasonable documentation, then Licensee will pay two years worth of the applicable charges.
- 17.1.1 Nothing contained in the Agreement or any License issued hereunder shall be construed as requiring Licensee to bear any expenses which, under applicable federal or state laws or regulations, must be borne by persons or entities other than Licensee.
- 17.2 Prompt Payment of Applicable Fees and Charges. Fees and charges for Pole attachments and Conduit System occupancies, as specified herein and as modified from time to time, shall be due and payable immediately whether or not Licensee is permitted to continue the Pole attachment or Conduit Occupancy. See Appendix I for applicable annual rental fees.
- 17.3 No Implied Waiver or Ratification of Unauthorized Use. No act or failure to act by BellSouth with regard to said unlicensed use shall be deemed as a ratification of the unlicensed use; and if any License should be subsequently issued, said License shall not operate retroactively or constitute a waiver by BellSouth of any of its rights or privileges under this Agreement or otherwise; provided, however, that Licensee shall be subject to all liabilities, obligations and responsibilities of this Agreement in regard to said unauthorized use from its inception.

18. REMOVAL OF LICENSEE'S FACILITIES

- 18.1 Pole Attachments. Licensee, at its expense, will remove its attachments from any of BellSouth's Poles within thirty (30) days after termination of the License covering such attachments. If Licensee fails to remove its attachments within such thirty (30) day period, BellSouth shall have the right to remove such attachments at Licensee's expense and without any liability on the part of BellSouth for damage or injury to Licensee's attachments unless caused by the negligence or intentional misconduct of BellSouth.
- 18.2 Conduit Occupancy. Licensee, at its expense, will remove its communications Facilities from a Conduit System within sixty (60) days after:
- 18.2.1 Termination of the License covering such Conduit Occupancy; or
- 18.2.2 The date Licensee replaces its existing Facilities in one Duct with substitute Facilities in another Duct.
- 18.2.3 If Licensee fails to remove its Facilities within the specified period, BellSouth shall have the right to remove such Facilities at Licensee's expense and without any liability on the part of BellSouth for damage or injury to such Facilities unless caused by the negligence or intentional misconduct of BellSouth.
- 18.3 Continuing Responsibility for Fees and Charges. Licensee shall remain liable for and pay to BellSouth all fees and charges pursuant to provisions of this Agreement until all of Licensee's Facilities are physically removed from BellSouth's Poles or Conduit System.

19. FEES, CHARGES, AND BILLING

- 19.1 License Charges. Licensee agrees to pay charges in Attachment 1 of this Agreement. These rates will be recalculated during the term of this Agreement in accordance with the Telecommunications Act of 1996 and applicable FCC or State Commission rules and regulations. License charges commence on the first day of the calendar month following the date a License is issued. Such charges cease as of the final day of the calendar month preceding the month in which the attachment or occupancy is physically removed or the utilization is discontinued. A one-month minimum charge is applicable to all Licenses. Such current-year charges are normally billed on or near July 1 of each year; annual billing is for the period January 1 through December 31 (six (6) months in arrears and six (6) months in advance) and to include true-up for actual billing for previous year's advance billing for period July 1 through December 31.

19.2 Notice of Rate and Computation of Charges. On or about November 1 of each year, BellSouth will notify Licensee by certified mail, return receipt requested, of the rental rate and Pole transfer rate to be applied in the subsequent calendar year. The letter of notification shall be incorporated in, and governed by, the terms and conditions of this Agreement. Attachment and occupancy rates shall be applied to the number of Pole(s) and Duct feet of Conduit for which Licenses have been issued before December 1 of each calendar year. Charges for attachment(s) and occupancy which commenced during the preceding twelve (12) month period will be prorated accordingly.

19.3 Rate "True-Up". The parties agree that the fees reflected as interim herein shall be "true-up" (up or down) based on final fees either determined by further agreement or by an effective order, in a proceeding involving BellSouth before the regulatory authority for the state, in which Licensee has either attached to or occupied BellSouth structures (Rights of Way, Conduits, Ducts, and/or Poles), or any other body having jurisdiction over this Agreement (hereinafter "Commission").

Under the "true-up" process, the interim fees for each structure shall be multiplied by the volume of that structure either attached to or occupied by Licensee to arrive at the total interim amount paid ("Total Interim Price"). The final fees for that structure shall be multiplied by the volume of that structure either attached to or occupied by Licensee to arrive at the total final amount due ("Total Final Price"). The Total Interim Price shall be compared with the Total Final Price. If the Total Final Price is more than the Total Interim Price, Licensee shall pay the difference to BellSouth. If the Total Final Price is less than the Total Interim Price, BellSouth shall pay the difference to Licensee.

Each Party shall keep its own records upon which a "true-up" can be based and any final payment from one party to the other shall be in an amount agreed upon by the parties based on such records. In the event of any disagreement as between the records or the parties regarding the amount of such "true-up," the parties agree that the Commission shall be called upon to resolve such differences.

20. ADVANCE PAYMENT AND IMPUTATION

20.1 Attachment and Occupancy Fees. Fees for Pole attachment and Conduit Occupancy shall be based on the Facilities for which Licenses have been issued as of the date of billing by BellSouth, shall be computed as set forth herein.

20.1.1 Charges associated with newly Licensed attachments or occupancies and other attachments or occupancies of less than the entire annual billing period shall be prorated.

20.1.2 Charges shall be prorated retroactively in the event of the removal of Licensee's Facilities.

20.1.3 The amount of any advance payment required shall be due within sixty (60) days after receipt of an invoice from BellSouth.

20.2 Imputation. BellSouth shall impute to its costs of providing telecommunications services (and charge any affiliate, subsidiary, or associate company engaged in the provision of such services) an equal amount to the charges set forth in this Section for all of the Conduits, Ducts, and Poles it occupies and uses.

21. ASSURANCE OF PAYMENT

21.1 Necessity and Level of Security. In the event Licensee fails to demonstrate credit worthiness, Licensee may be required to furnish a bond, letter of credit or other evidence of financial security having a minimum face amount of \$10,000.00 per state or \$50,000.00 per region. Such bond, letter of credit or other security shall be in a form satisfactory to BellSouth and may be increased from time to time as reasonably required by BellSouth to guarantee the performance of all obligations of Licensee hereunder. The amount of the bond, letter of credit or other security shall not operate as a limitation upon the obligations of Licensee hereunder.

22. INSURANCE

22.1 Licensee shall obtain and maintain insurance, including endorsements insuring the contractual liability and indemnification provisions of this Agreement, issued by an insurance carrier reasonably satisfactory to Licensor to protect the Licensor, other authorized Licensees, and Joint User(s) from and against all claims demands, causes of action, judgments, costs, including reasonable attorneys' fees, expenses and liabilities of every kind and nature which may arise or result, directly or indirectly from or by reason of such loss, injury or damage as covered in this Agreement.

22.2 Licensee shall maintain the following amounts of insurance in compliance with (22.1) above:

22.2.1 Commercial General Liability Insurance with limits of not less than \$1,000,000 per occurrence and \$1,000,000 annual aggregate.

22.2.2 Umbrella or Excess Liability Insurance with limits of not less than \$10,000,000 per occurrence and in the aggregate.

22.2.3 Business auto coverage for all owned, non-owned, hired and leased vehicles with limits of not less than \$1,000,000 per occurrence and in the aggregate.

22.2.4 Licensee shall name BellSouth as an additional insured on the general liability policy with respects to the terms and conditions of this agreement

- 22.3 Licensee shall submit to Licensor certificates by each company insuring Licensee with respect to any insurance required hereunder, such certificate(s) to specify the coverage provided and that such company will not cancel or change any such policy of insurance issued to Licensee except after thirty (30) days written notice to Licensor.
- 22.3.1 Licensee shall also require agents and subcontractors, if any, who may perform the services to maintain the insurance coverage required herein and to furnish the Licensor certificates of insurance or adequate proof of such insurance. Licensee remains responsible for submitting these certificates in order to meet requirements of Agreement. Any non-compliance with the insurance provisions of this Agreement on the part of any agent or subcontractor shall be the sole responsibility of the Licensee who will be held liable for the performance or non-performance of the agent or subcontractor. Should insurance policy limits be exhausted or should Licensee or its agents and subcontractors fail to maintain the required insurance coverages, neither Licensee nor any of its agents and subcontractors will in no way be relieved from liability.
- 22.4 Licensee shall also carry such insurance as will protect it from all claims under any Worker's Compensation Law in effect that may be applicable to it as a result of work performed pursuant to this Agreement.
- 22.5 All insurance required in accordance with 22.2) and 22.3) preceding must be effective before Licensor will authorize attachment to a Pole and/or Anchor, or occupancy of a Conduit System and shall remain in force until such Licensee's Facilities have been removed from all such Pole(s), Anchor(s), Conduit System, or Right of Way. In the event that the Licensee shall fail to maintain the required insurance coverage, Licensor may pay any premium thereon falling due, and the Licensee shall forthwith reimburse the Licensor for any such premium paid.
- 22.6 If the Licensee's net worth exceeds five hundred million dollars (\$500,000,000), Licensee may elect to request self-insurance status in lieu of obtaining any of the insurance required in 22.2.1 and 22.2.2. Licensee shall provide audited financial statements, interim financials, business history, etc., as per Appendix III to Licensor immediately after receipt of initial agreement information. Licensor shall then review such audited financial statements and respond in writing to Licensee, no later than thirty (30) business days after receipt of the above information, in the event that self-insurance status is not granted to Licensee. If Licensor approves Licensee for self-insurance, Licensee shall annually furnish to Licensor, and keep current, evidence of such net worth that is attested to by one of Licensee's corporate officers. The ability to self-insure shall continue so long as the Licensee meets all of the requirements of 22.6. If the Licensee subsequently no longer satisfies the requirements of 22.6, Licensee is required to purchase insurance as indicated in 22.2.1 and 22.2.2. This agreement will not be finalized prior to approval for self-insuring status if self-insuring is requested by Licensee.

22.7 The net worth requirements set forth in 22.6 may be increased by Licensor from time to time during the term of this Agreement upon thirty (30) days notice to Licensee to at least such minimum limits as shall then be customary with respect to attachment to a Pole and/or Anchor, or occupancy of a Conduit System.

23. INDEMNIFICATION

23.1 Licensor shall exercise precaution to avoid damaging the communications Facilities of the Licensee and shall make an immediate report to the Licensee of the occurrence of any such damage caused by its employees, agents or contractors. Licensor agrees to reimburse the Licensee for all reasonable costs incurred by the Licensee for the physical repair of such Facilities damaged by the negligence of Licensor, its employees, agents, contractors, subcontractors or invitees. However, Licensor shall not be liable to Licensee for any interruption of Licensee's service or for interference with the operation of Licensee's Communications Facilities, or for any special, indirect, or consequential damages arising in any manner, including Licensor's negligence, out of the use of Pole(s), Anchor(s), or Conduit Systems or Licensor's actions or omissions in regard thereto and Licensee shall indemnify and save harmless Licensor from and against any and all claims, demands, causes of action, costs and reasonable attorneys' fees with respect to such special, indirect or consequential damages.

23.2 Licensee shall exercise precaution to avoid damaging the Facilities of Licensor and of others attached to Pole(s), Anchor(s), or occupying a Conduit System and shall make an immediate report to the Owner of the occurrence of any such damage caused by Licensee's employees, agents or contractors. Licensee agrees to reimburse the Licensor for all reasonable costs incurred by the Licensor for the physical repair of such Facilities damaged by the negligence of Licensee.

23.3 Licensee shall indemnify, protect and save harmless the Licensor, its directors, officers, employees and agents, Licensor's other Licensees, and Joint User(s) from and against any and all claims, demands, causes of action, damages and costs, including reasonable attorney's fees through appeals incurred by the Licensor, the Licensor's other Licensees and Joint User(s) as a result of acts by the Licensee, its employees, agents or contractors, including but not limited to the Cost of relocating Pole(s), Anchor(s), Guy(s), or Conduit System resulting from a loss of right-of-way or property owner consents and/or the Cost of defending those rights and/or consents.

- 23.4 The Licensee shall indemnify, protect and save harmless the Licensor, its directors, officers, employees and agents, Licensor's other Licensees, and Joint User(s) from and against any and all claims, demands, causes of actions and costs, including reasonable attorney's fees, through appeals for damages to property and injury or death to persons, including but not limited to payments under any Worker's Compensation Law or under any plan for employee's disability and death benefits, caused by, arising from, incident to, connected with or growing out of the erection, rearrangement, maintenance, presence, use or removal of Licensee's Facilities, or by their proximity to the Facilities of all parties attached to a Pole, Anchor and/or Guy, or placed in a Conduit System, or by any act or omission of the Licensee's employees, agents or contractors in the vicinity of the Licensor's Pole(s), Anchor(s), Guy(s), or Conduit System.
- 23.5 The Licensee shall indemnify, protect and save harmless the Licensor, its directors, officers, employees, and agents, Licensor's other Licensees, and Joint User(s) from any and all claims, demands, causes of action and costs, including attorneys' fees through appeals, which arise directly or indirectly from the construction and operation of Licensee's Facilities, including but not limited to taxes, special charges by others, claims and demands for damages or loss from infringement of copyrights, for libel and slander, for unauthorized use of television or radio broadcast programs and other program material, and from and against all claims, demands and costs, including attorney's fees through appeals for infringement of patents with respect to the construction, maintenance, use and operation of Licensee's Facilities in combination with Pole(s), Anchor(s), Conduit Systems or otherwise.
- 23.6 Licensee shall promptly advise the Licensor of all claims relating to damage of property or injury to or death of persons, arising or alleged to have arisen in any manner, directly or indirectly, by the erection, maintenance, repair, replacement, presence, use or removal of the Licensee's Facilities. Licensee shall promptly notify Licensor in writing of any suits or causes of action which may involve Licensor and, upon the request of Licensor, copies of all relevant accident reports and statements made to Licensee's insurer by Licensee or others shall be furnished promptly to Licensor.
- 24. AUTHORIZATION NOT EXCLUSIVE**
- 24.1 Nothing herein contained shall be construed as a grant of any exclusive authorization, right or privilege to Licensee. BellSouth shall have the right to grant, renew and extend rights and privileges to others not parties to this Agreement, by contract or otherwise, to use any Pole, Anchor, or Conduit System covered by this Agreement and Licensee's rights hereunder.

25. ASSIGNMENT OF RIGHTS

- 25.1 Licensee shall not assign or transfer this Agreement or any license or any authorization granted under this Agreement, and this Agreement shall not inure to the benefit of Licensee's successors or assigns, without the prior written consent of BellSouth. BellSouth shall not unreasonably withhold such consent.
- 25.2 In the event such consent or consents are granted by BellSouth, then the provisions of this Agreement shall apply to and bind the successors and assigns of the Licensee. Form NT-13 shall be used for this purpose.

26. FAILURE TO ENFORCE

- 26.1 Failure of BellSouth to enforce or insist upon compliance with any of the terms or conditions of this Agreement or to give notice or declare this Agreement or any authorization granted hereunder terminated shall not constitute a general waiver or relinquishment of any term or condition of this Agreement, but the same shall be and remain at all times in full force and effect.

27. TERM OF AGREEMENT

- 27.1 Unless sooner terminated as herein provided, this Agreement shall continue in effect for a term of one (1) year from the date hereof and thereafter from year to year until either party hereto terminates this Agreement by giving the other party at least ninety (90) days prior written notice thereof. Such ninety (90) days notice of termination may be given to take effect at the end of the original one (1) year period or any time thereafter.
- 27.2 Termination of this Agreement or any Licenses issued hereunder shall not affect Licensee's liabilities and obligations incurred hereunder prior to the effective date of such termination.

28. BELLSOUTH'S INFORMATION

- 28.1 Scope of BellSouth's Information. Licensee acknowledges that Licensee may acquire information and material that is BellSouth's confidential, proprietary or trade secret information. As used herein, "BellSouth's Information" includes, but is not limited to, all information and documents disclosed by BellSouth, whether written or oral, in the course of this Agreement or in contemplation hereof including, without limitation, all specifications, drawings, sketches, schematics, models, samples, tools, algorithms, technical or business information, research and development, production and engineering processes, costs, profit and margin information, BellSouth lists, marketing, production and future business plans.
- 28.2 Use of BellSouth's Information. Licensee agrees to take all steps reasonably necessary to hold in trust and confidence BellSouth's Information. Licensee hereby agrees to hold BellSouth's Information in strict confidence, not to disclose it to third parties or to use it, in any way, commercially or otherwise, other than as permitted under this Agreement. Licensee will limit the disclosure of BellSouth's Information to employees with a need to know who: (i) have been advised of the proprietary nature thereof; and (ii) have acknowledged the express obligation to maintain such confidentiality. Licensee's obligations set forth herein shall remain in effect for two (2) years from the receipt of BellSouth's Information considered or deemed to be confidential information, but such obligation of confidentiality will not expire for BellSouth's Information considered or deemed to be a trade secret under applicable law.
- 28.3 Exceptions. Notwithstanding the other provisions of this Agreement, nothing received by Licensee from BellSouth will be considered to be BellSouth's Information if: (i) it has been published or is otherwise available to the public other than by a breach of this Agreement; (ii) it has been rightfully and lawfully received by Licensee from a Third Party without confidential limitations; (iii) it has been independently developed by Licensee by personnel having no access to BellSouth's Information; (iv) it was known by Licensee prior to its first receipt from BellSouth; (v) it is hereafter disclosed by BellSouth without restriction on further disclosure; or (vi) it is disclosed pursuant to a court order, subpoena or by operation of law, provided Licensee has given BellSouth prior advance written notice in order that BellSouth may attempt to obtain a protective order limiting disclosure and use of the information disclosed.
- 28.4 Agreement. Licensee hereby agrees that every individual person including but not limited to employees, subcontractors, agents, representatives and other third parties who perform under this Agreement shall execute the appropriate documents to undertake obligations of confidentiality consistent with the terms set forth herein. Licensee hereby agrees to provide evidence of such duly executed documents to BellSouth upon request.

29. LICENSEE'S INFORMATION

- 29.1 Scope of Licensee's Information. BellSouth acknowledges that Licensee may need to provide BellSouth with certain information and material that is the Licensee's confidential, proprietary or trade secret information. As used herein, "Licensee's Information" may include information and documents disclosed by the Licensee in the course of this Agreement such as by way of example, drawings, sketches, schematics, models, samples, tools, algorithms, technical or business information. All Licensee's Information shall be in writing or other tangible form and clearly marked with a confidential, private or proprietary legend. Licensee's information conveyed orally shall be designated as proprietary at the time of disclosure and shall be reduced to writing within ten (10) business days.
- 29.2 Use of Licensee's Information. BellSouth agrees to take all steps reasonably necessary to hold in trust and confidence Licensee's Information. BellSouth hereby agrees to hold such Licensee's Information in strict confidence, not to disclose it to third parties or to use it, in any way, commercially or otherwise, other than as permitted under this Agreement. BellSouth will limit the disclosure of Licensee's Information to employees, consultants, agents, contractors, affiliated companies and representatives with a need to know who will not be considered as "third parties" and who: (i) have been advised of the proprietary nature thereof; and (ii) have acknowledged the express obligation to maintain such confidentiality. BellSouth's obligations set forth herein shall remain in effect for two (2) years from the receipt of Licensee's Information considered or deemed to be confidential information, but such obligation of confidentiality will not expire for Licensee's Information considered or deemed to be a trade secret under applicable law.
- 29.3 Exceptions. Notwithstanding the other provisions of this Agreement, nothing received by BellSouth from Licensee will be considered to be Licensee's Information if: (i) it has been published or is otherwise available to the public other than by a breach of this Agreement; (ii) it has been rightfully and lawfully received by BellSouth from a Third Party without confidential limitations; (iii) it has been independently developed by BellSouth by personnel having no access to such Licensee's Information; (iv) it was known by BellSouth prior to its first receipt from Licensee; (v) it is hereafter disclosed by Licensee without restriction on further disclosure; or (vi) it is disclosed to any governmental agency or court of competent jurisdiction by written order, subpoena or decree, or by operation of law, provided BellSouth has given prior notice to Licensee in order that Licensee may attempt to obtain a protective order limiting disclosure and use of the information disclosed.

30. SUPERSEDURE OF PREVIOUS AGREEMENT(S)

30.1 This Agreement supersedes all previous agreements, whether written or oral, between BellSouth and Licensee for attachment and maintenance of Licensee's Communications Facilities on Pole(s), Anchor(s), and in Conduit Systems within the geographical area covered by this Agreement; and there are no other provisions, terms or conditions to this Agreement except as expressed herein. All currently effective Licenses heretofore granted pursuant to such previous agreements shall be subject to the terms and conditions of this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement in duplicate on the day and year written below.

BellSouth Telecommunications, Inc.

Name of Licensee

Name of Licensor

By:

By:

Signature

Signature

Printed Name

Oscar J. Primelles

Printed Name

Printed Title

Ntwk V P NP& Supp

Printed Title

Date

Date

APPENDIX I

2002 FCC Formula Supported Fees

for attachments and/or occupancy effective 1/1/2002

(Re-calculated annually)

Licensee shall pay to Licensor the following fees:

State	Poles (ea. / yr.)		Anchors (ea. / yr.)	Conduit	
	Non-Urban	Urban			(\$ / ft. / yr.)
Tennessee ①	6.23	5.47			0.28

- ① Tennessee rates are negotiated with CATV Association

Urban and non-urban are defined by the Bureau of Census as follows: Urban is a city plus the closely-settled urban fringe that together have a minimum population of 50,000. Non-urban is less than 50,000.

This rate will apply to each passageway (innerduct).

- i) For the purpose of determining the Duct feet chargeable, the Duct considered occupied shall be measured from the center to center of adjacent Manhole(s), or from the center of a Manhole to the end of a Duct not terminated in a Manhole.
- ii) The above rates are not applicable for crossings of any navigable waterway. Rates for navigable waterway crossings will be calculated on an individual case basis.

Pole Attachment Transfer Rate

Per Pole (throughout BellSouth region)

\$41.00

Appendix II

Records Maintenance Centers

For **Alabama** plant and Right of Way records:

Records Maintenance Center
S04
1876 Data Drive
Birmingham, AL 35244

For **Kentucky** plant and Right of Way records:

Records Maintenance Center
Room 2-SW
601 W. Chestnut Street
Louisville, KY 40203

For **Louisiana** plant and Right of Way records:

Records Maintenance Center
2nd Floor North
6767 Bundy Road
New Orleans, LA 70140

For **Mississippi** plant and Right of Way records:

Records Maintenance Center
5723 Hwy. 18 S
Jackson, MS 39209

For **Tennessee** plant and Right of Way records:

Records Maintenance Center
Room 9 B 15
333 Commerce Street
Nashville, TN 37201

For **Georgia, Florida, North Carolina, and South Carolina:**

Plant Records

Records Maintenance Center
5228 Central Avenue
Charlotte, NC 28212

Right of Way Records

Regional Landbase Admin. Center
Attn.: Right of Way Records
16 GG 1 BST
301 W. Bay Street
Jacksonville, FL 32201

Appendix III
Request to Self-Insure
Information Sheet

Per 22.6, Licensee may elect to request self-insurance status in lieu of obtaining any of the insurance required in 22.2.1 and 22.2.2. Licensee shall complete the table below and provide this information to Licensor. Licensor shall then review such audited financial statements and inform Licensee (in writing), no later than thirty (30) business days after receipt of the above information, regarding Licensee's request to self-insure.

The agreement will not be finalized prior to approval for self-insuring status if self-insuring is requested by Licensee.

Company Name:	
Audited Financials (3 years required): <i>(Attach all information as required)</i>	
Interim Financials (most current 6 months): <i>(Attach all information as required)</i>	
Years in Business (number of years):	
Number of years current management has been in place:	
Parent Company:	
Dunn & Bradstreet Number:	

Complete all information requested above and provide with all additional attachments to:

BellSouth Telecommunications, Inc.
Attention: Self-Insure Request
North W3D2
3535 Colonnade Parkway
Birmingham, AL 35243

ATTACHMENT 9

PERFORMANCE MEASUREMENTS

BellSouth Service Quality Measurement Plan (SQM)

Tennessee Interim Performance Metrics

**Measurement Descriptions
Version 0.03**

Issue Date: April 26, 2002

Introduction

The BellSouth Service Quality Measurement Plan (SQM) describes in detail the measurements produced to evaluate the quality of service delivered to BellSouth's customers both wholesale and retail. The SQM was developed to respond to the requirements of the Communications Act of 1996 Section 251 (96 Act) which required BellSouth to provide non-discriminatory access to Competitive Local Exchange Carriers (CLEC)¹ and its Retail Customers. The reports produced by the SQM provide regulators, CLECs and BellSouth the information necessary to monitor the delivery of non-discriminatory access.

This plan results from the many divergent forces evolving from the 96 Act. The 96 Act, numerous arbitration cases, LPSC sponsored collaborative workshops (10/98-02/00), and proceedings in Alabama, Florida, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee have influenced and continue to influence the SQM.

The SQM and the reports flowing from it must change to reflect the dynamic requirements of the industry. New measurements are added as new products, systems, and processes are developed and fielded. New products and services are added as the markets for them develop and the processes stabilize. The measurements are also changed to reflect changes in systems, correct errors, and respond to both 3rd Party audit requirements and the Tennessee Regulatory Authority.

This document is intended for use by someone with knowledge of telecommunications industry, information technologies and a functional knowledge of the subject areas covered by the BellSouth Performance Measurements and the reports that flow from them.

Once it is approved, the most current copy of this document can be found on the web at URL: <https://pmap.bellsouth.com> in the Help folder.

Report Publication Dates

Each month, preliminary SQM reports will be posted to BellSouth's SQM web site (<https://www.pmap.bellsouth.com>) by 8:00 A.M. EST on the 21st day of each month or the first business day after the 21st. Final validated SQM reports will be posted by 8:00 A.M. on the last day of the month. Reports not posted by this time will be considered late for SEEM payment purposes. Preliminary SEEM reports will be posted on the same day as the SQM validated reports. Validated SEEM reports will be posted on the 15th of the following month. Payments due will also be paid on the 15th of the following month. For instance: May data will be posted in preliminary SQM reports on June 21. Final validated SQM reports and preliminary SEEM reports will be posted on the last day of June. Final validated SEEM reports will be posted and payments mailed on July 15th.

1. Alternative Local Exchange Companies (ALEC) and Competing Local Providers (CLP) are referred to as Competitive Local Exchange Carriers (CLEC) in this document.

Report Delivery Methods

CLEC SQM and SEEM reports will be considered delivered when posted to the web site. The Tennessee Regulatory Authority (TRA) will be given access to the web site. In addition, a copy of the Monthly State Summary reports will be filed with the TRA as soon as possible after the last day of each month.

Document Number: TN-V003-041502

Revision History

Version	Issue Date	Changes
V 0.01	Mar 12, 2001	Initial BellSouth Proposal
V 0.02	Jul 16, 2001	
V 0.02	Apr 15, 2002	Interim version based on GA 4/6/01 with modifications

Contents

Section 1: Operations Support Systems (OSS)

OSS-1:	Average Response Time and Response Interval (Pre-Ordering/Ordering) - - - - -	1-1
OSS-2:	Interface Availability (Pre-Ordering/Ordering) - - - - -	1-6
OSS-3:	Interface Availability (Maintenance & Repair) - - - - -	1-9
OSS-4:	Response Interval (Maintenance & Repair) - - - - -	1-11
PO-1:	Loop Makeup - Response Time – Manual - - - - -	1-13
PO-2:	Loop Make Up - Response Time - Electronic - - - - -	1-15

Section 2: Ordering

O-1:	Acknowledgement Message Timeliness- - - - -	2-1
O-2:	Acknowledgement Message Completeness - - - - -	2-3
O-3:	Percent Flow-Through Service Requests (Summary) - - - - -	2-5
O-4:	Percent Flow-Through Service Requests (Detail) - - - - -	2-8
O-5:	Flow-Through Error Analysis - - - - -	2-11
O-6:	CLEC LSR Information - - - - -	2-13
•	LSR Flow Through Matrix - - - - -	2-15
O-7:	Percent Rejected Service Requests - - - - -	2-18
O-8:	Reject Interval - - - - -	2-20
O-9:	Firm Order Confirmation Timeliness - - - - -	2-23
O-10:	Service Inquiry with LSR Firm Order Confirmation (FOC) Response Time Manual - - - - -	2-27
O-11:	Firm Order Confirmation and Reject Response Completeness- - - - -	2-29
O-12:	Speed of Answer in Ordering Center- - - - -	2-31
O-13:	LNP-Percent Rejected Service Requests - - - - -	2-33
O-14:	LNP-Reject Interval Distribution & Average Reject Interval- - - - -	2-35
O-15:	LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirmation Average Interval- - - - -	2-38

Section 3: Provisioning

P-1:	Mean Held Order Interval & Distribution Intervals - - - - -	3-1
P-2:	Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices - - - - -	3-4
P-3:	Percent Missed Installation Appointments - - - - -	3-7
P-4:	Average Completion Interval (OCI) & Order Completion Interval Distribution - - - - -	3-10
P-5:	Average Completion Notice Interval - - - - -	3-13
P-6:	% Completions/Attempts without Notice or < 24 hours Notice - - - - -	3-16
P-7:	Coordinated Customer Conversions Interval- - - - -	3-18
P-7A:	Coordinated Customer Conversions – Hot Cut Timeliness% Within Interval and Average Interval - - - - -	3-20
P-7B:	Coordinated Customer Conversions – Average Recovery Time- - - - -	3-22
P-7C:	Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a completed Service Order - - - - -	3-24
P-8:	Cooperative Acceptance Testing - % of xDSL Loops Tested- - - - -	3-26
P-9:	% Provisioning Troubles within 30 days of Service Order Completion - - - - -	3-28
P-10:	Total Service Order Cycle Time (TSOCT) - - - - -	3-31
P-11:	Service Order Accuracy - - - - -	3-34
P-12:	LNP-Percent Missed Installation Appointments - - - - -	3-36
P-13:	LNP-Average Disconnect Timeliness Interval & Disconnect Timeliness Interval Distribution - - - - -	3-38
P-14:	LNP-Total Service Order Cycle Time (TSOCT) - - - - -	3-40

Tennessee Interim Performance Metrics

Section 4: Maintenance & Repair

M&R-1: Missed Repair Appointments - - - - -	4-1
M&R-2: Customer Trouble Report Rate - - - - -	4-3
M&R-3: Maintenance Average Duration - - - - -	4-5
M&R-4: Percent Repeat Troubles within 30 Days - - - - -	4-7
M&R-5: Out of Service (OOS) > 24 Hours - - - - -	4-9
M&R-6: Average Answer Time – Repair Centers - - - - -	4-11
M&R-7: Mean Time To Notify CLEC of Network Outages - - - - -	4-13

Section 5: Billing

B-1: Invoice Accuracy - - - - -	5-1
B-2: Mean Time to Deliver Invoices - - - - -	5-3
B-3: Usage Data Delivery Accuracy - - - - -	5-5
B-4: Usage Data Delivery Completeness - - - - -	5-7
B-5: Usage Data Delivery Timeliness - - - - -	5-9
B-6: Mean Time to Deliver Usage - - - - -	5-11
B-7: Recurring Charge Completeness - - - - -	5-13
B-8: Non-Recurring Charge Completeness - - - - -	5-15

Section 6: Operator Services And Directory Assistance

OS-1: Speed to Answer Performance/Average Speed to Answer - Toll - - - - -	6-1
OS-2: Speed to Answer Performance/Percent Answered with “X” Seconds - Toll - - - - -	6-3
DA-1: Speed to Answer Performance/Average Speed to Answer - Directory Assistance (DA) - - - - -	6-4
DA-2: Speed to Answer Performance/Percent Answered within “X” Seconds - Directory Assistance (DA) - - - - -	6-6

Section 7: Database Update Information

D-1: Average Database Update Interval - - - - -	7-1
D-2: Percent Database Update Accuracy - - - - -	7-3
D-3: Percent NXXs and LRNs Loaded by the LERG Effective Date - - - - -	7-5

Section 8: E911

E-1: Timeliness - - - - -	8-1
E-2: Accuracy - - - - -	8-3
E-3: Mean Interval - - - - -	8-4

Section 9: Trunk Group Performance

TGP-1: Trunk Group Performance-Aggregate - - - - -	9-1
TGP-2: Trunk Group Performance-CLEC Specific - - - - -	9-4

Section 10: Collocation

C-1: Collocation Average Response Time - - - - -	10-1
C-2: Collocation Average Arrangement Time - - - - -	10-3
C-3: Collocation Percent of Due Dates Missed - - - - -	10-5

Section 11: Change Management

CM-1: Timeliness of Change Management Notices - - - - -	11-1
CM-2: Change Management Notice Average Delay Days - - - - -	11-3
CM-3: Timeliness of Documents Associated with Change - - - - -	11-5
CM-4: Change Management Documentation Average Delay Days - - - - -	11-7
CM-5: Notification of CLEC Interface Outages - - - - -	11-9

Section 12: Bona Fide / New Business Request Process

BFR-1: Percentage of BFR/NBR Requests Processed Within 30 Business Days -----	12-1
BFR-2: Percentage of Quotes Provided for Authorized BFR/NBR Requests Processed Within X (10/30/60) Business Days ---	12-3

Appendix A: Reporting Scope**A-1**

A-1: Standard Service Groupings-----	A-1
A-2: Standard Service Order Activities-----	A-1

Appendix B: Glossary of Acronyms and Terms**B-1****Appendix C: BellSouth Audit Policy****C-1**

Section 1: Operations Support Systems (OSS)

OSS-1: Average Response Time and Response Interval (Pre-Ordering/Ordering)

Definition

Average response time and response intervals are the average times and number of requests responded to within certain intervals for accessing legacy data associated with appointment scheduling, service & feature availability, address verification, request for Telephone numbers (TNs), and Customer Service Records (CSRs).

Exclusions

None

Business Rules

The average response time for retrieving pre-order/order information from a given legacy system is determined by summing the response times for all requests submitted to the legacy systems during the reporting period and dividing by the total number of legacy system requests for that month.

The response interval starts when the client application (LENS or TAG for CLECs and RNS or ROS for BellSouth) submits a request to the legacy system and ends when the appropriate response is returned to the client application. The number of accesses to the legacy systems during the reporting period which take less than 2.3 seconds, the number of accesses which take more than 6 seconds, and the number which are less than or equal to 6.3 seconds are also captured.

Calculation

Response Time = (a - b)

- a = Date & Time of Legacy Response
- b = Date & Time of Legacy Request

Average Response Time = c / d

- c = Sum of Response Times
- d = Number of Legacy Requests During the Reporting Period

Report Structure

- Not CLEC Specific
- Not Product/Service Specific
- Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Legacy Contract (per reporting dimension) • Response Interval • Regional Scope	• Report Month • Legacy Contract (per reporting dimension) • Response Interval • Regional Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• RSAG – Address (Regional Street Address Guide-Address) – stores street address information used to validate customer addresses. CLECs and BellSouth query this legacy system. • RSAG – TN (Regional Street Address Guide-Telephone number) – contains information about facilities available and telephone numbers working at a given address. CLECs and BellSouth query this legacy system. • ATLAS (Application for Telephone Number Load Administration and Selection) – acts as a warehouse for storing telephone numbers that are available for assignment by the system. It enables CLECs and BellSouth service reps to select and reserve telephone numbers. CLECs and BellSouth query this legacy system. • COFFI (Central Office Feature File Interface) – stores information about product and service offerings and availability. CLECs query this legacy system. • DSAP (DOE Support Application) – provides due date information. CLECs and BellSouth query this legacy system. • HAL/CRIS (Hands-Off Assignment Logic/Customer Record Information System) – a system used to access the Business Office Customer Record Information System (BOCRIS). It allows BellSouth servers, including LENS, access to legacy systems. CLECs query this legacy system. • P/SIMS (Product/Services Inventory Management system) – provides information on capacity, tariffs, inventory and service availability. CLECs query this legacy system. • OASIS (Obtain Available Services Information Systems) – Information on feature and rate availability. BellSouth queries this legacy system.	• Parity + 2 seconds

OSS-1: Average Response Time and Response Interval (Pre-Ordering/Ordering)
Table 1: Legacy System Access Times For RNS

System	Contract	Data	< 2.3 sec.	> 6 sec.	<= 6.3 sec.	Avg. Sec.	# of Calls
RSAG	RSAG-TN	Address	x	x	x	x	x
RSAG	RSAG-ADDR	Address	x	x	x	x	x
ATLAS	ATLAS-TN	TN	x	x	x	x	x
DSAP	DSAP	Schedule	x	x	x	x	x
CRIS	CRSACCTS	CSR	x	x	x	x	x
OASIS	OASISCAR	Feature/Service	x	x	x	x	x
OASIS	OASISLPC	Feature/Service	x	x	x	x	x
OASIS	OASISMTN	Feature/Service	x	x	x	x	x
OASIS	OASISBIG	Feature/Service	x	x	x	x	x

Table 2: Legacy System Access Times For R0S

System	Contract	Data	< 2.3 sec.	> 6 sec.	<= 6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	x	x	x	x	x
RSAG	RSAG-ADDR	Address	x	x	x	x	x
ATLAS	ATLAS-TN	TN	x	x	x	x	x

Table 2: Legacy System Access Times For R0S

System	Contract	Data	< 2.3 sec.	> 6 sec.	<= 6.3 sec.	Avg. sec.	# of Calls
DSAP	DSAP	Schedule	x	x	x	x	x
CRIS	CRSOCSR	CSR	x	x	x	x	x
OASIS	OASISBIG	Feature/Service	x	x	x	x	x

Table 3: Legacy System Access Times For LENS

System	Contract	Data	< 2.3 sec.	> 6 sec.	≤6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	x	x	x	x	x
RSAG	RSAG-ADDR	Address	x	x	x	x	x
ATLAS	ATLAS-TN	TN	x	x	x	x	x
DSAP	DSAP	Schedule	x	x	x	x	x
HAL	HAL/CRIS	CSR	x	x	x	x	x
COFFI	COFFI/USOC	Feature/Service	x	x	x	x	x
P/SIMS	PSIMS/ORB	Feature/Service	x	x	x	x	x

Table 4: Legacy System Access Times For TAG

System	Contract	Data	< 2.3 sec.	> 6 sec.	≤6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	x	x	x	x	x
RSAG	RSAG-ADDR	Address	x	x	x	x	x
ATLAS	ATLAS-TN	TN	x	x	x	x	x
ATLAS	ATLAS-MLH	TN	x	x	x	x	x
ATLAS	ATLAS-DID	TN	x	x	x	x	x
DSAP	DSAP	Schedule	x	x	x	x	x
CRIS	CRSECSRL	CSR	x	x	x	x	x
CRIS	CRSECSR	CSR	x	x	x	x	x

SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X
	Tier III	

Note: CLEC specific data is not available in this measure. Queries of this sort do not have company specific signatures.

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• RSAG – Address (Regional Street Address Guide-Address) – stores street address information used to validate customer addresses. CLECs and BellSouth query this legacy system. • RSAG – TN (Regional Street Address Guide-Telephone number) – contains information about facilities available and telephone numbers working at a given address. CLECs and BellSouth query this legacy system. • ATLAS (Application for Telephone Number Load Administration and Selection) – acts as a warehouse for storing telephone numbers that are available for assignment by the system. It enables CLECs and BellSouth service reps to select and reserve telephone numbers. CLECs and BellSouth query this legacy system. • COFFI (Central Office Feature File Interface) – stores information about product and service offerings and availability. CLECs query this legacy system. • DSAP (DOE Support Application) – provides due date information. CLECs and BellSouth query this legacy system. • HAL/CRIS (Hands-Off Assignment Logic/Customer Record Information System) – a system used to access the Business Office Customer Record Information System (BOCRIS). It allows BellSouth servers, including LENS, access to legacy systems. CLECs query this legacy system. • P/SIMS (Product/Services Inventory Management system) – provides information on capacity, tariffs, inventory and service availability. CLECs query this legacy system. • OASIS (Obtain Available Services Information Systems) – Information on feature and rate availability. BellSouth queries this legacy system.	• Percent Response Received within 6.3 seconds: > 95% • Parity + 2 seconds

OSS-1: Average Response Time and Response Interval (Pre-Ordering/Ordering)

SEEM OSS Legacy Systems

System	BellSouth	CLEC
Telephone Number/Address		
RSAG-ADDR	RNS, ROS	TAG, LENS
RSAG-TN	RNS, ROS	TAG, LENS
ATLAS	RNS,ROS	TAG, LENS
Appointment Scheduling		
DSAP	RNS, ROS	TAG, LENS
CSR Data		
CRSACCTS	RNS	
CRSOCSR	ROS	
HAL/CRIS		LENS
CRSECSRL		TAG
CRSECSR		TAG
Service/Feature Availability		
OASISBIG	RNS, ROS	

System	BellSouth	CLEC
PSIMS/ORB		LENS

OSS-1: Average Response Time and Response Interval (Pre-Ordering/Ordering)

OSS-2: Interface Availability (Pre-Ordering/Ordering)

Definition

Percent of time applications are functionally available as compared to scheduled availability. Calculations are based upon availability of applications and interfacing applications utilized by CLECs for pre-ordering and ordering. “Functional Availability” is defined as the number of hours in the reporting period that the applications/interfaces are available to users. “Scheduled Availability” is defined as the number of hours in the reporting period that the applications/interfaces are scheduled to be available.

Scheduled availability is posted on the Interconnection web site: (www.interconnection.bellsouth.com/oss/oss_hour.html)

Exclusions

- CLEC-impacting troubles caused by factors outside of BellSouth's purview, e.g., troubles in customer equipment, troubles in networks owned by telecommunications companies other than BellSouth, etc.
- Degraded service, e.g., slow response time, loss of non-critical functionality, etc.

Business Rules

This measurement captures the functional availability of applications/interfaces as a percentage of scheduled availability for the same systems. Only full outages are included in the calculations for this measure. Full outages are defined as occurrences of either of the following:

- Application/interfacing application is down or totally inoperative.
- Application is totally inoperative for customers attempting to access or use the application. This includes transport outages when they may be directly associated with a specific application.

Comparison to an internal benchmark provides a vehicle for determining whether or not CLECs and retail BST entities are given comparable opportunities for use of pre-ordering and ordering systems.

Calculation

Interface Availability (Pre-Ordering/Ordering) = (a / b) X 100

- a = Functional Availability
- b = Scheduled Availability

Report Structure

- Not CLEC Specific
- Not Product/Service Specific
- Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Legacy Contract Type (per reporting dimension) • Regional Scope • Hours of Downtime	• Report Month • Legacy Contract Type (per reporting dimension) • Regional Scope • Hours of Downtime

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Regional Level	• >= 99.5%

OSS Interface Availability

Application	Applicable to	% Availability
EDI	CLEC	x
TAG	CLEC	x
LENS	CLEC	x
LEO	CLEC	x
LESOG	CLEC	x
LNP Gateway	CLEC	x
COG	CLEC	Under Development
SOG	CLEC	Under Development
DOM	CLEC	Under Development
DOE	CLEC/BellSouth	x
SONGS	CLEC/BellSouth	x
ATLAS/COFFI	CLEC/BellSouth	x
BOCRIS	CLEC/BellSouth	x
DSAP	CLEC/BellSouth	x
RSAG	CLEC/BellSouth	x
SOCS	CLEC/BellSouth	x
CRIS	CLEC/BellSouth	x

SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Regional Level	• >= 99.5%

OSS-2: Interface Availability (Pre-Ordering/Ordering)

SEEM OSS Interface Availability

Application	Applicable to	% Availability
EDI	CLEC	x
HAL	CLEC	x
LENS	CLEC	x
LEO Mainframe	CLEC	x
LESOG	CLEC	x
PSIMS	CLEC	x
TAG	CLEC	x

OSS-2: Interface Availability (Pre-Ordering/Ordering)

OSS-3: Interface Availability (Maintenance & Repair)

Definition

Percent of time applications are functionally available as compared to scheduled availability. Calculations are based upon availability of applications and interfacing applications utilized by CLECs for maintenance and repair. "Functional Availability" is defined as the number of hours in the reporting period that the applications/interfaces are available to users. "Scheduled Availability" is defined as the number of hours in the reporting period that the applications/interfaces are scheduled to be available.

Scheduled availability is posted on the Interconnection web site: (www.interconnection.bellsouth.com/oss/oss_hour.html)

Exclusions

- CLEC-impacting troubles caused by factors outside of BellSouth's purview, e.g., troubles in customer equipment, troubles in networks owned by telecommunications companies other than BellSouth, etc.
- Degraded service, e.g., slow response time, loss of non-critical functionality, etc.

Business Rules

This measurement captures the functional availability of applications/interfaces as a percentage of scheduled availability for the same systems. Only full outages are included in the calculations for this measure. Full outages are defined as occurrences of either of the following:

- Application/interfacing application is down or totally inoperative.
- Application is totally inoperative for customers attempting to access or use the application. This includes transport outages when they may be directly associated with a specific application.

Comparison to an internal benchmark provides a vehicle for determining whether or not CLECs and retail BST entities are given comparable opportunities for use of maintenance and repair systems.

Calculation

OSS Interface Availability $(a / b) \times 100$

- a = Functional Availability
- b = Scheduled Availability

Report Structure

- Not CLEC Specific
- Not Product/Service Specific
- Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Availability of CLEC TAFI • Availability of LMOS HOST, MARCH, SOCS, CRIS, PREDICTOR, LNP and OSPCM • ECTA	• Availability of BellSouth TAFI • Availability of LMOS HOST, MARCH, SOCS, CRIS, PREDICTOR, LNP and OSPCM

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Regional Level	• $\geq 99.5\%$

OSS Interface Availability (M&R)

OSS Interface	% Availability
BST TAFI	x
CLEC TAFI	x
CLEC ECTA	x
BellSouth & CLEC	x
CRIS	x
LMOS HOST	x
LNP	x
MARCH	x
OSPCM	x
PREDICTOR	x
SOCS	x

SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Regional Level	• >= 99.5%

OSS Interface Availability (M&R)

OSS Interface	% Availability
CLEC TAFI	x
CLEC ECTA	x

OSS-4: Response Interval (Maintenance & Repair)

Definition

The response intervals are determined by subtracting the time a request is received on the BellSouth side of the interface from the time the response is received from the legacy system. Percentages of requests falling into each interval category are reported, along with the actual number of requests falling into those categories.

Exclusions

None

Business Rules

This measure is designed to monitor the time required for the CLEC and BellSouth interface system to obtain from BellSouth's legacy systems the information required to handle maintenance and repair functions. The clock starts on the date and time when the request is received on the BellSouth side of the interface and the clock stops when the response has been transmitted through that same point to the requester.

Note: The OSS Response Interval BellSouth Total Report is a combination of BellSouth Residence and Business Total.

Calculation

OSS Response Interval = (a - b)

- a = Query Response Date and Time
- b = Query Request Date and Time

Percent Response Interval (per category) = (c / d) X 100

- c = Number of Response Intervals in category "X"
- d = Number of Queries Submitted in the Reporting Period

where, "X" is <= 4, > 4 <= 10, <= 10, > 10, or > 30 seconds.

Report Structure

- Not CLEC Specific
- Not product/service specific
- Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• CLEC Transaction Intervals	• BellSouth Business and Residential Transactions Intervals

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Regional Level	• Parity

Legacy System Access Times for M&R

System	BellSouth & CLEC	Count				
		<= 4	> 4 <= 10	<= 10	> 10	> 30
CRIS	x	x	x	x	x	x
DLETH	x	x	x	x	x	x
DLR	x	x	x	x	x	x
LMOS	x	x	x	x	x	x
LMOSupd	x	x	x	x	x	x
LNP	x	x	x	x	x	x
MARCH	x	x	x	x	x	x
OSPCM	x	x	x	x	x	x
Predictor	x	x	x	x	x	x
SOCS	x	x	x	x	x	x
NIW	x	x	x	x	x	x

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

OSS-4: Response Interval (Maintenance & Repair)

PO-1: Loop Makeup - Response Time – Manual

Definition

This report measures the average interval and percent within the interval from the submission of a Manual Loop Makeup Service Inquiry (LMUSI) to the distribution of Loop Makeup information back to the CLEC.

Exclusions

- Inquiries, which are submitted electronically.
- Designated Holidays are excluded from the interval calculation.
- Weekend hours from 5:00PM Friday until 8:00AM Monday are excluded from the interval calculation.
- Canceled Inquiries.

Business Rules

The CLEC Manual Loop Makeup Service Inquiry (LMUSI) process includes inquiries submitted via mail or FAX to BellSouth's Complex Resale Support Group (CRSG).

This measurement combines three intervals:

1. From receipt of the Service Inquiry for Loop Makeup to hand off to the Service Advocacy Center (SAC) for "Look-up."
2. From SAC start date to SAC complete date.
3. From SAC complete date to date the Complex Resale Support Group (CRSG) distributes loop makeup information back to the CLEC.

The "Receive Date" is defined as the date the Manual LMUSI is received by the CRSG. It is counted as day Zero. LMU "Return Date" is defined as the date the LMU information is sent back to the CLEC from BellSouth. The interval calculation is reset to Zero when a CLEC initiated change occurs on the Manual LMU request.

Note: The Loop Make Up Service Inquiry Form does not require the CLEC to furnish the type of Loop. The CLEC determines whether the loop makeup will support the type of service they wish to order or not and qualifies the loop. If the loop makeup will support the service, a firm order LSR is submitted by the CLEC.

Calculation

Response Interval = (a - b)

- a = Date and Time LMUSI returned to CLEC
- b = Date and Time the LMUSI is received

Average Interval = (c / d)

- c = Sum of all Response Intervals
- d = Total Number of LMUSIs received within the reporting period

Percent within interval = (e / f) X 100

- e = Total LMUSIs received within the interval
- f = Total Number of LMUSIs processed within the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
 - State
 - Region
- Interval for manual LMUs:
 - 0 - <= 1 day
 - >1 - <= 2 days
 - >2 - <= 3 days
 - 0 - <= 3 days
 - >3 - <= 6 days

>6 – <= 10 days

> 10 days

- Average Interval in days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of Inquiries • SI Intervals • State and Region	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Loops	Benchmark • 95% <= 3 Business Days

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Loops	Benchmark • 95% <= 3 Business Days

PO-2: Loop Make Up - Response Time - Electronic

Definition

This report measures the average interval and the percent within the interval from the electronic submission of a Loop Makeup Service Inquiry (LMUSI) to the distribution of Loop Makeup information back to the CLEC.

Exclusions

- Manually submitted inquiries.
- Designated Holidays are excluded from the interval calculation.
- Canceled Requests.
- Scheduled OSS Maintenance.

Business Rules

The response interval starts when the CLEC's Mechanized Loop Makeup Service Inquiry (LMUSI) is submitted electronically through the Operational Support Systems interface, LENS, TAG or RoboTAG. It ends when BellSouth's Loop Facility Assignment and Control System (LFACS) responds electronically to the CLEC with the requested Loop Makeup data via LENS, TAG or RoboTAG Interfaces.

Note: The Loop Make Up Service Inquiry Form does not require the CLEC to furnish the type of Loop. The CLEC determines whether the loop makeup will support the type of service they wish to order or not and qualifies the loop. If the loop makeup will support the service, a firm order LSR is submitted by the CLEC. EDI is not a pre-ordering system, and, therefore, is not applicable in this measure.

Calculation

Response Interval = (a - b)

- a = Date and Time LMUSI returned to CLEC
- b = Date and Time the LMUSI is received

Average Interval = (c / d)

- c = Sum of all response intervals
- d = Total Number of LMUSIs received within the reporting period

Percent within interval = (e / f) X 100

- e = Total LMUSIs received within the interval
- f = Total Number of LMUSIs processed within the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
 - State
 - Region
- Interval for electronic LMUs:
 - 0 – <= 1 minute
 - >1 – <= 5 minutes
 - 0 - <= 5 minutes
 - > 5 – <= 8 minutes
 - > 8 – <= 15 minutes
 - > 15 minutes
- Average Interval in minutes

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Legacy Contract • Response Interval • Regional Scope	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Loops	Benchmark • 90% <= 5 Minutes (05/01/01) • 95% <= 1 Minute (08/01/01)

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Loop	• 90% <= 5 Minutes (05/01/01) • 95% <= 1 Minute (08/01/01)

Section 2: Ordering

O-1: Acknowledgement Message Timeliness

Definition

This measurement provides the response interval from the time an LSR or transmission (may contain multiple LSRs from one or more CLECs in multiple states) is electronically submitted via EDI or TAG respectively until an acknowledgement notice is sent by the system.

Exclusions

- Scheduled OSS Maintenance

Business Rules

The process includes EDI & TAG system functional acknowledgements for all messages/Local Service Requests (LSRs) which are electronically submitted by the CLEC. Users of EDI may package many LSRs into one transmission which will receive the acknowledgement message. EDI users may place multiple LSRs in one “envelope” requesting service in one or more states which will mask the identity of the state and CLEC. The start time is the receipt time of the message at BellSouth’s side of the interface (gateway). The end time is when the acknowledgement is transmitted by BellSouth at BellSouth’s side of the interface (gateway). If more than one CLEC uses the same ordering center (aggregator), an Acknowledgement Message will be returned to the “Aggregator”. However, BellSouth will not be able to determine which specific CLEC or state this message represented.

Calculation

Response Interval = (a - b)

- a = Date and Time Acknowledgement Notices returned to CLEC
- b = Date and Time messages/LSRs electronically submitted by the CLEC via EDI or TAG respectively

Average Response Interval = (c / d)

- c = Sum of all Response Intervals
- d = Total number of electronically submitted messages/LSRs received, from CLECs via EDI or TAG respectively, in the Reporting Period.

Reporting Structure

- CLEC Aggregate
- CLEC Specific/Aggregator
- Geographic Scope
 - Region
- Electronically Submitted LSRs
 - 0 – <= 10 minutes
 - >10 – <= 20 minutes
 - >20 – <= 30 minutes
 - 0 – <= 30 minutes
 - >30 – <= 45 minutes
 - >45 – <= 60 minutes
 - >60 – <= 120 minutes
 - >120 minutes
- Average interval for electronically submitted messages/LSRs in minutes

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Record of Functional Acknowledgements	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• EDI • TAG	• EDI - 90% <= 30 minutes (05/01/01) - 95% <= 30 minutes (08/01/01) • TAG – 95% <= 30 minutes

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• EDI • TAG	• EDI - 90% <= 30 minutes (05/01/01) - 95% <= 30 minutes (08/01/01) • TAG – 95% <= 30 minutes

O-2: Acknowledgement Message Completeness

Definition

This measurement provides the percent of transmissions/LSRs received via EDI or TAG respectively, which are acknowledged electronically.

Exclusions

- Manually submitted LSRs
- Scheduled OSS Maintenance

Business Rules

EDI and TAG send Functional Acknowledgements for all transmissions/LSRs, which are electronically submitted by a CLEC. Users of EDI may package many LSRs from multiple states in one transmission. If more than one CLEC uses the same ordering center, an Acknowledgement Message will be returned to the "Aggregator", however, BellSouth will not be able to determine which specific CLEC this message represented. The Acknowledgement Message is returned prior to the determination of whether the transmission/LSR will be partially mechanized or fully mechanized.

Calculation

Acknowledgement Completeness = (a / b) X 100

- a = Total number of Functional Acknowledgements returned in the reporting period for transmissions/LSRs electronically submitted by EDI or TAG respectively
- b = Total number of electronically submitted transmissions/LSRs received in the reporting period by EDI or TAG respectively

Report Structure

- CLEC Aggregate
- CLEC Specific/Aggregator
- Geographic Scope
 - Region

Note: The Order calls for Mechanized, Partially Mechanized, and Totally Mechanized, however, the Acknowledgement message is generated before the system recognizes whether this electronic transmission will be partially or fully mechanized.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Record of Functional Acknowledgements	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• EDI • TAG	• Benchmark: 100%

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• EDI • TAG	• Benchmark: 100%

O-3: Percent Flow-Through Service Requests (Summary)

Definition

The percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual intervention.

Exclusions

- Fatal Rejects
- Auto Clarification
- Manual Fallout
- CLEC System Fallout
- Scheduled OSS Maintenance

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service: Business and Residence, and two types of service: Resale, and Unbundled Network Elements (UNE). The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier) or are not designed to flow through (for example, Manual Fallout.)

Definitions:

Fatal Rejects: Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal Reject.

Auto-Clarification: Clarifications that occur due to invalid data within the LSR. LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

Manual Fallout: Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

- | | |
|---|--|
| 1. Complex* | 8. Denials-restore and conversion, or disconnect and conversion orders |
| 2. Special pricing plans | 9. Class of service invalid in certain states with some types of service |
| 3. Some Partial migrations | 10. Low volume such as activity type "T" (move) |
| 4. New telephone number not yet posted to BOCRIS | 11. More than 25 business lines, or more than 15 loops |
| 5. Pending order review required | 12. Transfer of calls option for the CLEC end users |
| 6. CSR inaccuracies such as invalid or missing CSR data in CRIS | 13. Directory Listings (Indentations and Captions) |
| 7. Expedites (requested by the CLEC) | |

*See LSR Flow-Through Matrix following O-6 for a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

Total System Fallout: Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to BellSouth system functionality. If it is determined the error is caused by the CLEC, the LSR will be sent back to the CLEC for clarification. If it is determined the error is BellSouth caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

Z Status: LSRs that receive a supplemental LSR submission prior to final disposition of the original LSR.

Tennessee Interim Performance Metrics

Calculation

$$\text{Percent Flow Through} = a / [b - (c + d + e + f)] \times 100$$

- a = The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that fall out for manual processing
- d = the number of LSRs that are returned to the CLEC for clarification
- e = the number of LSRs that contain errors made by CLECs
- f = the number of LSRs that receive a Z status

$$\text{Percent Achieved Flow Through} = a / [b - (c + d + e)] \times 100$$

- a = the number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that are returned to the CLEC for clarification
- d = the number of LSRs that contain errors made by CLECs
- e = the number of LSRs that receive Z status

Report Structure

- CLEC Aggregate
 - Region

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of LSRs Received, by Interface, by CLEC - TAG - EDI - LENS • Total Number of Errors by Type, by CLEC - Fatal Rejects - Auto Clarification - CLEC Caused System Fallout • Total Number of Errors by Error Code • Total Fallout for Manual Processing	• Report Month • Total Number of Errors By Type - Bellsouth System Error

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark ^a
• Residence	• Benchmark: 95%
• Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
• LNP	• Benchmark: 85%

a. Benchmarks do not apply to the "Percent Achieved Flow Through."

SEEM Measure

SEEM Measure		
Yes	Tier I	
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark ^a
• Residence	• Benchmark: 95%
• Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
• LNP	• Benchmark: 85%

a. Benchmarks do not apply to the "Percent Achieved Flow Through."

O-4: Percent Flow-Through Service Requests (Detail)

Definition

A detailed list, by CLEC, of the percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual or human intervention.

Exclusions

- Fatal Rejects
- Auto Clarification
- Manual Fallout
- CLEC System Fallout
- Scheduled OSS Maintenance

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service: Business and Residence, and three types of service: Resale, and Unbundled Network Elements (UNE). The CLEC mechanized ordering process does not include LSRs, which are submitted manually (for example, fax and courier) or are not designed to flow through (for example, Manual Fallout.)

Definitions:

Fatal Rejects: Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal Reject.

Auto-Clarification: Clarifications that occur due to invalid data within the LSR. LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

Manual Fallout: Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

- | | |
|---|--|
| 1. Complex* | 8. Denials-restore and conversion, or disconnect and conversion orders |
| 2. Special pricing plans | 9. Class of service invalid in certain states with some types of service |
| 3. Some Partial migrations | 10. Low volume such as activity type "T" (move) |
| 4. New telephone number not yet posted to BOCRIS | 11. More than 25 business lines, or more than 15 loops |
| 5. Pending order review required | 12. Transfer of calls option for the CLEC end users |
| 6. CSR inaccuracies such as invalid or missing CSR data in CRIS | 13. Directory Listings (Indentions and Captions) |
| 7. Expedites (requested by the CLEC) | |

*See LSR Flow-Through Matrix following O-6 for a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

Total System Fallout: Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to BellSouth system functionality. If it is determined the error is caused by the CLEC, the LSR will be sent back to the CLEC for clarification. If it is determined the error is BellSouth caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

Tennessee Interim Performance Metrics

Z Status: LSRs that receive a supplemental LSR submission prior to final disposition of the original LSR.

Calculation

Percent Flow Through = $a / [b - (c + d + e + f)] \times 100$

- a = The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that fall out for manual processing
- d = the number of LSRs that are returned to the CLEC for clarification
- e = the number of LSRs that contain errors made by CLECs
- f = the number of LSRs that receive a Z status

Percent Achieved Flow Through = $a / [b - (c + d + e)] \times 100$

- a = the number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that are returned to the CLEC for clarification
- d = the number of LSRs that contain errors made by CLECs
- e = the number of LSRs that receive Z status

Report Structure

Provides the flow through percentage for each CLEC (by alias designation) submitting LSRs through the CLEC mechanized ordering process. The report provides the following:

- CLEC (by alias designation)
- Number of fatal rejects
- Mechanized interface used
- Total mechanized LSRs
- Total manual fallout
- Number of auto clarifications returned to CLEC
- Number of validated LSRs
- Number of BellSouth caused fallout
- Number of CLEC caused fallout
- Number of Service Orders Issued
- Base calculation
- CLEC error excluded calculation

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of LSRs Received, by Interface, by CLEC - TAG - EDI - LENS • Total Number of Errors by Type, by CLEC - Fatal Rejects - Auto Clarification - CLEC Errors • Total Number of Errors by Error Code • Total Fallout for Manual Processing	• Report Month • Total Number of Errors by Type - Bellsouth System Error

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark ^a
• Residence	• Benchmark: 95%

Tennessee Interim Performance Metrics

SQM Level of Disaggregation	SQM Analog/Benchmark ^a
• Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
• LNP	• Benchmark: 85%

a. Benchmarks do not apply to the "Percent Achieved Flow Through."

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark ^a
• Residence	• Benchmark: 95%
• Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
• LNP	• Benchmark: 85%

a. Benchmarks do not apply to the "Percent Achieved Flow Through."

O-5: Flow-Through Error Analysis

Definition

An analysis of each error type (by error code) that was experienced by the LSRs that did not flow through or reached a status for a FOC to be issued.

Exclusions

Each Error Analysis is error code specific, therefore exclusions are not applicable.

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier).

Calculation

Total for each error type.

Report Structure

Provides an analysis of each error type (by error code). The report is in descending order by count of each error code and provides the following:

- Error Type (by error code)
- Count of each error type
- Percent of each error type
- Cumulative percent
- Error Description
- CLEC Caused Count of each error code
- Percent of aggregate by CLEC caused count
- Percent of CLEC caused count
- BellSouth Caused Count of each error code
- Percent of aggregate by BellSouth caused count
- Percent of BellSouth by BellSouth caused count

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of LSRs Received • Total Number of Errors by Type (by error code) - CLEC Caused Error	• Report Month • Total Number of Errors by Type (by error code) - BellSouth System Error

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Not Applicable	• Not Applicable

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-6: CLEC LSR Information

Definition

A list with the flow through activity of LSRs by CC, PON and Ver, issued by each CLEC during the report period.

Exclusions

- Fatal Rejects
- LSRs submitted manually

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier).

Calculation

Not Applicable

Report Structure

Provides a list with the flow through activity of LSRs by CC, PON and Ver, issued by each CLEC during the report period with an explanation of the of the columns and content. This report is available on a CLEC specific basis. The report provides the following for each LSR.

- CC
- PON
- Ver
- Timestamp
- Type
- Err #
- Note or Error Description

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Record of LSRs Received by CC, PON and Ver • Record of Timestamp, Type, Err # and Note or Error Description for each LSR by CC, PON and Ver	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Not Applicable	• Not Applicable

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

LSR Flow Through Matrix

LSR Flow Through Matrix

Product	Product Type	Reqtype	ACT Type	F/T ³	Complex Service	Complex Order	Planned Fallout For Manual Handling ¹	EDI	TAG ²	LENS ⁴
2 wire analog DID trunk port	U,C	A	N,T	No	UNE	Yes	NA	N	N	N
2 wire analog port	U	A	N,T	No	UNE	No	Yes	Y	Y	N
2 wire ISDN digital line	U,C	A	N,T	No	UNE	Yes	NA	N	N	N
2 wire ISDN digital loop	U,C	A	N,T	Yes	UNE	Yes	No	Y	Y	N
3 Way Calling	R,B	E,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
4 wire analog voice grade loop	U,C	A	N,T	Yes	UNE	Yes	No	Y	Y	N
4 wire DSO & PRI digital loop	U,C	A	N,T	No	UNE	Yes	NA	N	N	N
4 wire DS1 & PRI digital loop	U,C	A	N,T	No	UNE	Yes	NA	N	N	N
4 wire ISDN DSI digital trunk ports	U,C	A	N,T	No	UNE	Yes	NA	N	N	N
Accupulse	C	E	N,C,T,V,W	No	Yes	Yes	NA	N	N	N
ADSL	R,B,C	E	V,W	No	UNE	No	No	Y	Y	N
Area Plus	R,B	E,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Basic Rate ISDN	U,C	A	N,T	No	Yes	Yes	Yes	Y	Y	N
Basic Rate ISDN 2 Wire	C	E	C, D,T,V,W	No	Yes	Yes	Yes	Y	Y	N
Basic Rate ISDN 2 Wire	C	E	N,T	No	Yes	Yes	N/A	N	N	N
Basic Rate ISDN 2 Wire UNE P	C	M	N,C,D,V	No	YES	Yes	N/A	N	N	N
Analog Data/Private Line	C	E	N, C, T, V, W, D, P, Q	No	Yes	Yes	N/A	N	N	N
Call Block	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Forwarding	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Return	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Selector	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Tracing	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Waiting	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Waiting Deluxe	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Caller ID	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
CENTREX	C	P	V,P	No	Yes	Yes	NA	N	N	N
DID ACT W	C	N	W	No	Yes	Yes	Yes	Y	Y	Y
Digital Data Transport	U	E	N,C,T,V,W	No	UNE	Yes	NA	N	N	N
Directory Listing Indentions	B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	No	No	No	Yes	Y	Y	Y
Directory Listings Captions	R,B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	No	No	Yes	Yes	Y	Y	Y
Directory Listings (simple)	R,B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	Yes	No	No	No	Y	Y	Y
DS3	U	A,M	N,C,V	No	UNE	Yes	NA	N	N	N
DS1Loop	U	A,M	N,C,V	Yes	UNE	Yes	No	Y	Y	N
DSO Loop	U	A, B	N,C,D,T,V	Yes	UNE	Yes	No	Y	Y	N
Enhanced Caller ID	R,B	E,M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y

Tennessee Interim Performance Metrics

Product	Product Type	Rectype	ACT Type	F/T ³	Complex Service	Complex Order	Planned Fallout For Manual Handling ¹	EDI	TAG ²	LENS ⁴
ESSX	C	P	C,D,T,V,S,B,W,L,P,Q	No	Yes	Yes	NA	N	N	N
Flat Rate/Business	B	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
Flat Rate/Residence	R	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
FLEXSERV	C	E	N,C,D,T,V,W,P,Q	No	Yes	Yes	NA	N	N	N
Frame Relay	C	E	N,C,D,V,W	No	Yes	Yes	NA	N	N	N
FX	C	E	N,C,D,T,V,W,P,Q	No	Yes	Yes	NA	N	N	N
Ga. Community Calling	R,B	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
HDSL	U	A	N,C,D	Yes	UNE	No	No	Y	Y	N
Hunting MLH	R,B	E, M	C,D,N,T,V,W	No	C/S4	C/S	Yes	Y	Y	N
Hunting Series Completion	R,B	E, M	C,D,N,T,V,W	Yes	C/S	C/S	No	Y	Y	Y
INP to LNP Conversion	U	C	C	No	UNE	Yes	Yes	Y	Y	N
LightGate	C	E	N,C,D,T,V,W,P,Q	No	Yes	Yes	NA	N	N	N
Line Sharing	U	A	C,D	Yes	UNE	No	No	Y	Y	Y
Local Number Portability	U	C	C,D,P,V,Q	Yes	UNE	Yes	No	Y	Y	N
LNP With Complex Listing	C	C	P,V,Q,W	No	UNE	Yes	Yes	Y	Y	N
LNP with Partial Migration	U	C	D,P,V,Q	No	UNE	Yes	Yes	Y	Y	N
LNP with Complex Services	C	C	P,V,Q,W	No	UNE	Yes	Yes	Y	Y	N
Loop+INP	U	B	D,P,V,Q	Yes	UNE	No	No	Y	Y	N
Loop+LNP	U	B	C,D,N,V	Yes	UNE	No	No	Y	Y	N
Measured Rate/Bus	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Measured Rate/Res	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Megalink	C	E	N,V,W,T,D,C,P,Q	No	Yes	Yes	NA	N	N	N
Megalink-T1	C	E,M	N,V,W,T,D,C,P,Q	No	Yes	Yes	NA	N	N	N
Memory Call	R,B	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
Memory Call Ans. Svc.	R,B	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
Multiserv	C	P	N,C,D,T,V,S,B,W,L,P,Q	No	Yes	Yes	NA	N	N	N
Native Mode LAN Interconnection (NMLI)	C	E	N,C,D,V,W	No	Yes	Yes	NA	N	N	N
Off-Prem Stations	C	E	N,C,D,V,W,T,P,Q	No	Yes	Yes	NA	N	N	N
Optional Calling Plan	R,B	E, M	N	Yes	No	No	No	Y	Y	Y
Package/Complete Choice and Area Plus	R,B	E, M	N,T,C,V,W	Yes	No	No	No	Y	Y	Y
Pathlink Primary Rate ISDN	C	E	N,C,D,T,V,W,P,Q	No	Yes	Yes	NA	N	N	N
Pay Phone Provider	B	E	C,D,T,N,V,W	No	No	No	NA	N	N	N
PBX Standalone Port	C	F	N,C,D	No	Yes	Yes	Yes	Y	Y	N
PBX Trunks	R,B	E	N,C,D,V,W,T,P,Q	No	Yes	Yes	Yes	Y	Y	N
Port/Loop PBX	U	M	A,C,D,V	No	No	No	Yes	Y	Y	N
Port/Loop Simple	U	M	A,C,D,V	Yes	No	No	Yes	Y	Y	Y
Preferred Call Forward	R,B,U	E	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
RCF Basic	R,B	E	N,D,W,T,F	Yes	No	No	No	Y	Y	Y

LSR Flow Through Matrix

Product	Product Type	Redtype	ACT Type	F/T ³	Complex Service	Complex Order	Planned Fallout For Manual Handling ¹	EDI	TAG ²	LENS ⁴
Remote Access to CF	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Repeat Dialing	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Ringmaster	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Smartpath	R,B	E	C,D,T,N,V,W	No	Yes	Yes	NA	N	N	N
SmartRING	C	E	N,D,C,V,W	No	Yes	Yes	NA	N	N	N
Speed Calling	R,B	E	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Synchronet	C	E	N	Yes	Yes	Yes	Yes	Y	Y	N
Tie Lines	C	E	N,C,D,V,W,T,P,Q	No	Yes	Yes	NA	N	N	N
Touchtone	R,B	E	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Unbundled Loop-Analog 2W, SL1, SL2	U	A,B	C,D,T,N,V,W	Yes	UNE	No	No	Y	Y	Y
WATS	R,B	E	W,D	No	Yes	Yes	NA	N	N	N
XDSL	C,U	A,B	N,T,C,V,D	Yes	UNE	No	No	Y	Y	N
XDSL Extended LOOP	C,U	A,B	N,T,C,V,D	No	UNE	Yes	NA	N	N	N
Collect Call Block	R,B	E	N,T,C,V,W,D	Yes	No	No	No	Y	Y	Y
900 Call Block	R,B	E	N,T,C,V,W,D	Yes	No	No	No	Y	Y	Y
3rd Party Call Block	R,B	E	N,T,C,V,W,D	Yes	No	No	No	Y	Y	Y
Three Way Call Block	R,B	E	N,T,C,V,W,D	Yes	No	No	No	Y	Y	Y
PIC/LPIC Change	R,B	E	T,C,V	Yes	No	No	No	Y	Y	Y
PIC/LPIC Freeze	R,B	E	N,T,C,V	Yes	No	No	No	Y	Y	Y

Note¹: Planned Fallout for Manual Handling denotes those services that are electronically submitted and are not intended to flow through due to the complexity of the service.

Note²: The TAG column includes those LSRs submitted via Robo TAG.

Note³: For all services that indicate 'No' for flow-through, the following reasons, in addition to errors or complex services, also prompt manual handling: Expedites from CLECs, special pricing plans, denials restore and conversion or disconnect and conversion both required, partial migrations (although conversions-as-is flow through for issue 9), class of service invalid in certain states with some TOS e.g. government, or cannot be changed when changing main TN on C activity, low volume e.g. activity type T=move, pending order review required, more than 25 business lines, CSR inaccuracies such as invalid or missing CSR data in CRIS, Directory listings – Indentions, Directory listings – Captions, transfer of calls option for CLEC end user – new TN not yet posted to BOCRIS. Many are unique to the CLEC environment.

Note⁴: Services with C/S in the Complex Service and/or the Complex Order columns can be either complex or simple.

Note⁵: EELs are manually ordered.

Note⁶: LSRs submitted for Resale Products and Services for which there is a temporary promotion or discount plan will be processed identically to those LSRs ordering the same Products or Services without a promotion or discount plan.

O-7: Percent Rejected Service Requests

Definition

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) received which are rejected due to error or omission. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete.

Exclusions

- Service Requests canceled by the CLEC prior to being rejected/clarified.
- Scheduled OSS Maintenance

Business Rules

Fully Mechanized: An LSR is considered “rejected” when it is submitted electronically but does not pass LEO edit checks in the ordering systems (EDI, LENS, TAG, LEO, LESOG) and is returned to the CLEC without manual intervention. There are two types of “Rejects” in the Mechanized category:

A **Fatal Reject** occurs when a CLEC attempts to electronically submit an LSR but required fields are either not populated or incorrectly populated and the request is returned to the CLEC before it is considered a valid LSR.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. Fatal rejects are excluded from the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An **Auto Clarification** occurs when a valid LSR is electronically submitted but rejected from LESOG because it does not pass further edit checks for order accuracy.

Partially Mechanized: A valid LSR, which is electronically submitted (via EDI, LENS, TAG) but cannot be processed electronically and “falls out” for manual handling. It is then put into “clarification” and sent back (rejected) to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs electronically submitted by the CLEC.

Non-Mechanized: LSRs which are faxed or mailed to the LCSC for processing and “clarified” (rejected) back to the CLEC by the BellSouth service representative.

Interconnection Trunks: Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Interconnection Purchasing Center (IPC). Trunk data is reported separately.

Calculation

Percent Rejected Service Requests = $(a / b) \times 100$

- a = Total Number of Rejected Service Requests in the Reporting Period
- b = Total Number of Service Requests Received in the Reporting Period

Report Structure

- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- CLEC Specific
- CLEC Aggregate
- Geographic Scope
 - State
 - Region
- Product Specific Percent Rejected
- Total Percent Rejected

Tennessee Interim Performance Metrics
Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of LSRs • Total Number of Rejects • State and Region • Total Number of ASRs (Trunks)	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Mechanized, Partially Mechanized and Non-Mechanized • Resale - Residence • Resale - Business • Resale – Design (Special) • Resale PBX • Resale Centrex • Resale ISDN • LNP (Standalone) • INP (Standalone) • 2W Analog Loop Design • 2W Analog Loop Non-Design • 2W Analog Loop With INP Design • 2W Analog Loop With INP Non-Design • 2W Analog Loop With LNP Design • 2W Analog Loop With LNP Non-Design • UNE Loop + Port Combinations • Switch Ports • UNE Combination Other • UNE xDSL (ADSL, HDSL, UCL) • Line Sharing • UNE ISDN Loop • UNE Other Design • UNE Other Non-Design • Local Interoffice Transport • Local Interconnection Trunks	• Diagnostic

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-8: Reject Interval

Definition

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete.

Exclusions

- Service Requests canceled by CLEC prior to being rejected/clarified
- Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as “Projects”
- The following hours for Partially mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group – Monday through Saturday 7:00PM until 7:00AM
From 7:00 PM Saturday until 7:00 AM Monday

Business Resale, Complex, UNE Groups – Monday through Friday 6:00PM until 8:00AM
From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

- Scheduled OSS Maintenance

Business Rules

Fully Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is rejected (date and time stamp or reject in EDI, TAG or LENS). Auto Clarifications are considered in the Fully Mechanized category.

Partially Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until it falls out for manual handling. The stop time on partially mechanized LSRs is when the LCSC Service Representative clarifies the LSR back to the CLEC via LENS, EDI, or TAG.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.

Non-Mechanized: The elapsed time from receipt of a valid LSR (date and time stamp of FAX or date and time mailed LSR is received in the LCSC) until notice of the reject (clarification) is returned to the CLEC via LON.

Interconnection Trunks: Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Local Interconnection Service Center (LISC). Trunk data is reported separately. All interconnection trunks are counted in the non-mechanized category.

Calculation

Reject Interval = (a - b)

- a = Date and Time of Service Request Rejection
- b = Date and Time of Service Request Receipt

Average Reject Interval = (c / d)

- c = Sum of all Reject Intervals
- d = Number of Service Requests Rejected in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate

Tennessee Interim Performance Metrics
O-8: Reject Interval

- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- Geographic Scope
 - State
 - Region
- Mechanized:
 - 0 - <= 4 minutes
 - >4 - <= 8 minutes
 - >8 - <= 12 minutes
 - >12 - <= 60 minutes
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - >24 hours
- Partially Mechanized:
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 10 hours
 - 0 - <= 10 hours
 - >10 - <= 18 hours
 - 0 - <= 18 hours
 - >18 - <= 24 hours
 - >24 hours
- Non-mechanized:
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - 0 - <= 24 hours
 - > 24 hours
- Trunks:
 - <= 4 days
 - >4 - <= 8 days
 - >8 - <= 12 days
 - >12 - <= 14 days
 - >14 - <= 20 days
 - >20 days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month • Reject Interval • Total Number of LSRs • Total Number of Rejects • State and Region • Total Number of ASRs (Trunks)	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale - Residence • Resale - Business • Resale - Design (Special) • Resale PBX • Resale Centrex • Resale ISDN • LNP (Standalone) • INP (Standalone) • 2W Analog Loop Design • 2W Analog Loop Non-Design • 2W Analog Loop With INP Design • 2W Analog Loop With INP Non-Design • 2W Analog Loop With LNP Design • 2W Analog Loop With LNP Non-Design • UNE Loop + Port Combinations • Switch Ports • UNE Combination Other • UNE xDSL (ADSL, HDSL, UCL) • Line Sharing • UNE ISDN Loops • UNE Other Non-Design • Local Interoffice Transport • UNE Other Design	• Mechanized: - 97% <= 1 Hour • Partially Mechanized: - 85% <= 24 hours - 85% <= 18 Hours (05/01/01) - 85% <= 10 Hours (08/01/01) • Non-Mechanized: - 85% <= 24 hours
• Local Interconnection Trunks	• Trunks: - 85% <= 4 Days

O-8: Reject Interval
SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Fully Mechanized	• 97% <= 1 Hour
• Partially Mechanized	• 85% <= 24 Hours • 85% <= 18 Hours (05/01/01) • 85% <= 10 Hours (08/01/01)
• Non-Mechanized	• 85% <= 24 Hours

O-9: Firm Order Confirmation Timeliness

Definition

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of valid LSR to distribution of a Firm Order Confirmation.

Exclusions

- Rejected LSRs
- Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as “Projects”
- The following hours for Partially Mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group – Monday through Saturday 7:00PM until 7:00AM
From 7:00 PM Saturday until 7:00 AM Monday.

Business Resale, Complex, UNE Groups – Monday through Friday 6:00PM until 8:00AM
From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

- Scheduled OSS Maintenance

Business Rules

- **Fully Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is processed, appropriate service orders are generated and a Firm Order Confirmation is returned to the CLEC via EDI, LENS or TAG.
- **Partially Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS, or TAG) which falls out for manual handling until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is returned to the CLEC via EDI, LENS, or TAG.
- **Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.
- **Non-Mechanized:** The elapsed time from receipt of a valid paper LSR (date and time stamp of FAX or date and time paper LSRs received in LCSC) until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is sent to the CLEC via LON.
- **Interconnection Trunks:** Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Local Interconnection Service Center (LISC). Trunk data is reported separately.

Calculation

Firm Order Confirmation Interval = (a - b)

- a = Date & Time of Firm Order Confirmation
- b = Date & Time of Service Request Receipt)

Average FOC Interval = (c / d)

- c = Sum of all FOC Intervals
- d = Total Number of Service Requests Confirmed in Reporting Period

FOC Interval Distribution (for each interval) = (e / f) X 100

- e = Service Requests Confirmed in interval
- f = Total Service Requests Confirmed in the Reporting Period

Report Structure

- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
 - CLEC Specific
 - CLEC Aggregate
- Geographic Scope
 - State
 - Region
- Fully Mechanized:
 - 0 - <= 15 minutes
 - >15 - <= 30 minutes
 - >30 - <= 45 minutes
 - >45 - <= 60 minutes
 - >60 - <= 90 minutes
 - >90 - <= 120 minutes
 - >120 - <= 180 minutes
 - 0 - <= 3 hours
 - >3 - <= 6 hours
 - >6 - <= 12 hours
 - >12 - <= 24 hours
 - >24 - <= 48 hours
 - >48 hours
- Partially Mechanized:
 - 0 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 10 hours
 - 0 - <= 10 hours
 - >10 - <= 18 hours
 - 0 - <= 18 hours
 - >18 - <= 24 hours
 - 0 - <= 24 hours
 - >24 - <= 48 hours
 - >48 hours
- Non-Mechanized:
 - 0 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - >24 - <= 36 hours
 - 0 - <= 36 hours
 - >36 - <= 48 hours
 - >48 hours
- Trunks:
 - 0 - <= 5 days
 - >5 - <= 10 days
 - 0 - <= 10 days
 - >10 - <= 15 days
 - >15 - <= 20 days
 - >20 days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
- Report Month - Interval for FOC - Total Number of LSRs - State and Region - Total Number of ASRs (Trunks)	Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
- Resale – Residence - Resale – Business - Resale – Design (Special) - Resale PBX - Resale Centrex - Resale ISDN - LNP (Standalone) - INP(Standalone) 2W Analog Loop Design 2W Analog Loop Non-Design 2W Analog Loop With INP Design 2W Analog Loop With INP Non-Design 2W Analog Loop With LNP Design 2W Analog Loop With LNP Non-Design - UNE Loop + Port Combinations - Switch Ports - UNE Combination Other - UNE xDSL (ADSL, HDSL, UCL) - Line Sharing - UNE ISDN Loops - UNE Other Design - UNE Other Non-Design - Local Interoffice Transport	- Mechanized: - 95% <= 3 Hours - Partially Mechanized: - 85% <= 24 Hours - 85% <= 18 Hours (05/01/01) - 85% <= 10 Hours (08/01/01) - Non-mechanized: - 85% <= 36 Hours
Local Interconnection Trunks	Trunks: - 95% <= 10 Days

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Fully Mechanized	95% <= 3 Hours
Partially Mechanized	85% <= 24 Hours 85% <= 18 Hours (05/01/01) 85% <= 10 Hours (08/01/01)

Tennessee Interim Performance Metrics

SEEM Disaggregation	SEEM Analog/Benchmark
• Non-Mechanized	• 85% <= 36 Hours
• IC Trunks	• 95% <= 10 Days

O-9: Firm Order Confirmation Timeliness

O-10: Service Inquiry with LSR Firm Order Confirmation (FOC) Response Time Manual¹

Definition

This report measures the interval and the percent within the interval from the submission of a Service Inquiry (SI) with Firm Order LSR to the distribution of a Firm Order Confirmation (FOC).

Exclusions

- Designated Holidays are excluded from the interval calculation
- Weekend hours from 5:00PM Friday until 8:00AM Monday are excluded from the interval calculation of the Service Inquiry
- Canceled Requests
- Electronically Submitted Requests
- Scheduled OSS Maintenance

Business Rules

This measurement combines four intervals:

1. From receipt of Service Inquiry with LSR to hand off to the Service Advocacy Center (SAC) for Loop 'Look-up'.
2. From SAC start date to SAC complete date.
3. From SAC complete date to the Complex Resale Support Group (CRSG) complete date with hand off to LCSC.
4. From receipt of SI/LSR in the LCSC to Firm Order Confirmation.

Calculation

FOC Timeliness Interval = (a - b)

- a = Date and Time Firm Order Confirmation (FOC) for SI with LSR returned to CLEC
- b = Date and Time SI with LSR received

Average Interval = (c / d)

- c = Sum of all FOC Timeliness Intervals
- d = Total number of SIs with LSRs received in the reporting period

Percent Within Interval = (e / f) X 100

- e = Total number of Service Inquiries with LSRs received by the CRSG to distribution of FOC by the Local Carrier Service Center (LCSC)
- f = Total number of Service Inquiries with LSRs received in the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
 - State
 - Region
- Intervals
 - 0 – <= 3 days
 - >3 – <= 5 days
 - 0 – <= 5 days
 - >5 – <= 7 days
 - >7 – <= 10 days
 - >10 – <= 15 days
 - >15 days
- Average Interval measured in days

1. See O-9 for FOC Timeliness

Tennessee Interim Performance Metrics

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Total Number of Requests • SI Intervals • State and Region	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• xDSL (includes UNE unbundled ADSL, HDSL and UNE Unbundled Copper Loops) • Unbundled Interoffice Transport	• 95% Returned <= 5 Business days

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-11: Firm Order Confirmation and Reject Response Completeness

Definition

A response is expected from BellSouth for every Local Service Request transaction (version). More than one response or differing responses per transaction is not expected. Firm Order Confirmation and Reject Response Completeness is the corresponding number of Local Service Requests received to the combination of Firm Order Confirmation and Reject Responses.

Exclusions

- Service Requests canceled by the CLEC prior to FOC or Rejected/Clarified
- Non-Mechanized LSRs
- Scheduled OSS Maintenance

Business Rules

Mechanized – The number of FOCs or Auto Clarifications sent to the CLEC from LENS, EDI, TAG in response to electronically submitted LSRs (date and time stamp in LENS, EDI, TAG).

Partially Mechanized – The number of FOCs or Rejects sent to the CLEC from LENS, EDI, TAG in response to electronically submitted LSRs (date and time stamp in LENS, EDI, TAG), which fall out for manual handling by the LCSC personnel.

Total Mechanized – The number of the combination of Fully Mechanized and Partially Mechanized LSRs

Non-Mechanized – The number of FOCs or Rejects sent to the CLEC via FAX Server in response to manually submitted LSRs (date and time stamp in FAX Server).

Note: Manual (Non-Mechanized) LSRs have no version control by the very nature of the manual process, therefore, non-mechanized LSRs are not captured by this report.

For CLEC Results:

Firm Order Confirmation and Reject Response Completeness is determined in two dimensions:

Percent responses is determined by computing the number of Firm Order Confirmations and Rejects transmitted by BellSouth and dividing by the number of Local Service Requests (all versions) received in the reporting period.

Percent of multiple responses is determined by computing the number of Local Service Request unique versions receiving more than one Firm Order Confirmation, Reject or the combination of the two and dividing by the number of Local Service Requests (all versions) received in the reporting period.

Calculation

Single FOC/Reject Response Expected

Firm Order Confirmation / Reject Response Completeness = $(a / b) \times 100$

- a = Total Number of Service Requests for which a Firm Order Confirmation or Reject is Sent
- b = Total Number of Service Requests Received in the Report Period

Multiple or Differing FOC / Reject Responses Not Expected

Response Completeness = $[(a + b) / c] \times 100$

- a = Total Number of Firm Order Confirmations Per LSR Version
- b = Total Number of Reject Responses Per LSR Version
- c = Total Number of Service Requests (All Versions) Received in the Reporting Period

Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- State and Region
- CLEC Specific
- CLEC Aggregate
- BellSouth Specific

Tennessee Interim Performance Metrics

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month - Reject Interval - Total Number of LSRs - Total Number of Rejects	Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
- Resale Residence - Resale Business - Resale Design - Resale PBX - Resale Centrex - Resale ISDN - LNP (Standalone) - INP (Standalone) 2W Analog Loop Design 2W Analog Loop Non - Design 2W Analog Loop With INP Design 2W Analog Loop With INP Non - Design 2W Analog Loop With LNP Design 2W Analog Loop With LNP Non - Design - UNE Loop and Port Combinations - Switch Ports - UNE Combination Other - UNE xDSL (ADSL, HDSL, UCL) - Line Sharing - UNE ISDN Loops - UNE Other Design - UNE Other Non - Design - Local Interoffice Transport - Local Interconnection Trunks	95% Returned

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Fully Mechanized	95% Returned

O-11: Firm Order Confirmation and Reject Response Completeness

O-12: Speed of Answer in Ordering Center

Definition

Measures the average time a customer is in queue.

Exclusions

None

Business Rules

The clock starts when the appropriate option is selected (i.e., 1 for Resale Consumer, 2 for Resale Multiline, and 3 for UNE-LNP, etc.) and the call enters the queue for that particular group in the LCSC. The clock stops when a BellSouth service representative in the LCSC answers the call. The speed of answer is determined by measuring and accumulating the elapsed time from the entry of a CLEC call into the BellSouth automatic call distributor (ACD) until a service representative in BellSouth's Local Carrier Service Center (LCSC) answers the CLEC call.

Calculation

Speed of Answer in Ordering Center = (a / b)

- a = Total seconds in queue
- b = Total number of calls answered in the Reporting Period

Report Structure

Aggregate

- CLEC – Local Carrier Service Center
- BellSouth
 - Business Service Center
 - Residence Service Center

Note: Combination of Residence Service Center and Business Service Center data.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Mechanized tracking through LCSC Automatic Call Distributor	• Mechanized tracking through BellSouth Retail center support system.

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Aggregate • CLEC – Local Carrier Service Center • BellSouth - Business Service Center - Residence Service Center	• Parity with Retail

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-12: Speed of Answer in Ordering Center

O-13: LNP-Percent Rejected Service Requests

Definition

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) which are rejected due to error or omission. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks to insure the data received is correctly formatted and complete, i.e., fatal rejects are never accepted and, therefore, are not included.

Exclusions

- Service Requests canceled by the CLEC
- Scheduled OSS Maintenance

Business Rules

An LSR is considered “rejected” when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

Fully Mechanized: There are two types of “Rejects” in the Fully Mechanized category:

A **Fatal Reject** occurs when a CLEC attempts to electronically submit an LSR (via EDI or TAG) but required fields are not populated correctly and the request is returned to the CLEC.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. They are not considered in the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An **Auto Clarification** is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

Partially Mechanized: A valid LSR which is electronically submitted (via EDI or TAG), but cannot be processed electronically due to a CLEC error and “falls out” for manual handling. It is then put into “clarification”, and sent back (rejected) to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized rejects.

Non-Mechanized: A valid LSR which is faxed or mailed to the BellSouth LCSC.

Calculation

LNP-Percent Rejected Service Requests = (a / b) X 100

- a = Number of Service Requests Rejected in the Reporting Period
- b = Number of Service Requests Received in the Reporting Period

Report Structure

- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- CLEC Specific
- CLEC Aggregate

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Not Applicable	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP • UNE Loop With LNP	• Diagnostic

Tennessee Interim Performance Metrics

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-14: LNP-Reject Interval Distribution & Average Reject Interval

Definition

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks to insure the data received is correctly formatted and complete.

Exclusions

- Service Requests canceled by the CLEC
- Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as “Projects”
- The following hours for Partially mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group – Monday through Saturday 7:00PM until 7:00AM
From 7:00 PM Saturday until 7:00 AM Monday

Business Resale, Complex, UNE Groups – Monday through Friday 6:00PM until 8:00AM
From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

- Scheduled OSS Maintenance

Business Rules

The Reject interval is determined for each rejected LSR processed during the reporting period. The Reject interval is the elapsed time from when BellSouth receives LSR until that LSR is rejected back to the CLEC. Elapsed time for each LSR is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of rejected LSRs to produce the reject interval distribution.

An LSR is considered “rejected” when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

Fully Mechanized: There are two types of “Rejects” in the Fully Mechanized category:

A **Fatal Reject** occurs when a CLEC attempts to electronically submit an LSR but required fields are not populated correctly and the request is returned to the CLEC.

An **Auto Clarification** is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

Partially Mechanized: A valid LSR which electronically submitted (via EDI or TAG), but cannot be processed electronically due to a CLEC error and “falls out” for manual handling. It is then put into “clarification”, and sent back to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized rejects.

Non-Mechanized: A valid LSR which is faxed or mailed to the BellSouth LCSC.

Calculation

Reject Interval = (a - b)

- a = Date & Time of Service Request Rejection
- b = Date & Time of Service Request Receipt

Average Reject Interval = (c / d)

- c = Sum of all Reject Intervals
- d = Total Number of Service Requests Rejected in Reporting Period

Tennessee Interim Performance Metrics

Reject Interval Distribution = $(e / f) \times 100$

- e = Service Requests Rejected in reported interval
- f = Total Number of Service Requests Rejected in Reporting Period

Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- CLEC Specific
- CLEC Aggregate
- State, Region
- Fully Mechanized:
 - 0 - <= 4 minutes
 - >4 - <= 8 minutes
 - >8 - <= 12 minutes
 - >12 - <= 60 minutes
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - > 24 hours
- Partially Mechanized:
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 10 hours
 - 0 - <= 10 hours
 - >10 - <= 18 hours
 - 0 - <= 18 hours
 - >18 - <= 24 hours
 - > 24 hours
- Non-Mechanized:
 - 0 - <= 1 hour
 - >1 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - 0 - <= 24 hours
 - >24 hours
- Average Interval in Days or Hours

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • Reject Interval • Total Number of LSRs • Total number of Rejects • State and Region	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP • UNE Loop with LNP	• Mechanized: 97% <= 1 Hour • Partially Mechanized: 85% <= 24 Hours • Partially Mechanized: 85% <= 18 Hours (05/01/01) • Partially Mechanized: 85% <= 10 Hours (08/01/01) • Non-Mechanized: 85% <= 24 Hours

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

O-15: LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirmation Average Interval

Definition

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of a valid LSR to distribution of a firm order confirmation.

Exclusions

- Rejected LSRs
- Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as “Projects”
- The following hours for Partially Mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group – Monday through Saturday 7:00PM until 7:00AM

From 7:00 PM Saturday until 7:00 AM Monday.

Business Resale, Complex, UNE Groups – Monday through Friday 6:00PM until 8:00AM

From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

- Scheduled OSS Maintenance

Business Rules

- **Fully Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is processed, appropriate service orders are generated and a Firm Order Confirmation is returned to the CLEC via EDI, LENS or TAG.
- **Partially Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS, or TAG) which falls out for manual handling until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is returned to the CLEC via EDI, LENS, or TAG.
- **Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.
- **Non-Mechanized:** The elapsed time from receipt of a valid paper LSR (date and time stamp of FAX or date and time paper LSRs received in LCSC) until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is sent to the CLEC via LON.

Calculation

Firm Order Confirmation Interval = (a - b)

- a = Date & Time of Firm Order Confirmation
- b = Date & Time of Service Request Receipt)

Average FOC Interval = (c / d)

- c = Sum of all FOC Intervals
- d = Total Number of Service Requests Confirmed in Reporting Period

FOC Interval Distribution (for each interval) = (e / f) X 100

- e = Service Requests Confirmed in interval
- f = Total Service Requests Confirmed in the Reporting Period

Tennessee Interim Performance Metrics
Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- CLEC Specific
- CLEC Aggregate
- State and Region
- Fully Mechanized:
 - 0 - <= 15 minutes
 - >15 - <= 30 minutes
 - >30 - <= 45 minutes
 - >45 - <= 60 minutes
 - >60 - <= 90 minutes
 - >90 - <= 120 minutes
 - >120 - <= 180 minutes
 - 0 - <= 3 hours
 - >3 - <= 6 hours
 - >6 - <= 12 hours
 - >12 - <= 24 hours
 - >24 - <= 48 hours
 - >48 hours
- Partially Mechanized:
 - 0 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 10 hours
 - 0 - <= 10 hours
 - >10 - <= 18 hours
 - 0 - <= 18 hours
 - >18 - <= 24 hours
 - 0 - <= 24 hours
 - >24 - <= 48 hours
 - > 48 hours
- Non-Mechanized:
 - 0 - <= 4 hours
 - >4 - <= 8 hours
 - >8 - <= 12 hours
 - >12 - <= 16 hours
 - >16 - <= 20 hours
 - >20 - <= 24 hours
 - >24 - <= 36 hours
 - 0 - <= 36 hours
 - >36 - <= 48 hours
 - >48 hours

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month • Total Number of LSRs • Total Number of FOCs • State and Region	• Not Applicable

O-15: LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirmation Average Interval

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP • UNE Loop with LNP	• Mechanized: 95% <= 3 Hours • Partially Mechanized: 85% <= 24 Hours • Partially Mechanized: 85% <= 18 Hours (05/01/01) • Partially Mechanized: 85% <= 10 Hours (08/01/01) • Non-Mechanized: 85% <= 36 hours

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

Section 3: Provisioning

P-1: Mean Held Order Interval & Distribution Intervals

Definition

When delays occur in completing CLEC orders, the average period that CLEC orders are held for BellSouth reasons, pending a delayed completion, should be no worse for the CLEC when compared to BellSouth delayed orders. Calculation of the interval is the total days orders are held and pending but not completed that have passed the currently committed due date; divided by the total number of held orders. This report is based on orders still pending, held and past their committed due date at the close of the reporting period. The distribution interval is based on the number of orders held and pending but not completed over 15 and 90 days. (Orders reported in the >90 day interval are also included in the >15 day interval.)

Exclusions

- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- Disconnect (D) & From (F) orders
- Orders with appointment code of 'A' for Rural orders

Business Rules

Mean Held Order Interval: This metric is computed at the close of each report period. The held order interval is established by first identifying all orders, at the close of the reporting interval, that both have not been reported as completed in SOCS and have passed the currently committed due date for the order. For each such order, the number of calendar days between the earliest committed due date on which BellSouth had a company missed appointment and the close of the reporting period is established and represents the held order interval for that particular order. The held order interval is accumulated by the standard groupings, unless otherwise noted, and the reason for the order being held. The total number of days accumulated in a category is then divided by the number of held orders within the same category to produce the mean held order interval. The interval is by calendar days with no exclusions for Holidays or Sundays.

CLEC Specific reporting is by type of held order (facilities, equipment, other), total number of orders held, and the total and average days.

Held Order Distribution Interval: This measure provides data to report total days held and identifies these in categories of >15 days and > 90 days. (Orders counted in >90 days are also included in > 15 days).

Calculation

Mean Held Order Interval = a / b

- a = Sum of held-over-days for all Past Due Orders Held for the reporting period
- b = Number of Past Due Orders Held and Pending But Not Completed and past the committed due date

Held Order Distribution Interval (for each interval) = $(c / d) \times 100$

- c = # of Orders Held for ≥ 15 days or # of Orders Held for ≥ 90 days
- d = Total # of Past Due Orders Held and Pending But Not Completed)

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Circuit Breakout < 10, ≥ 10 (except trunks)

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number and PON (PON) • Order Submission Date (TICKET_ID) • Committed Due Date (DD) • Service Type (CLASS_SVC_DESC) • Hold Reason • Total Line/circuit Count • Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number • Order Submission Date • Committed Due Date • Service Type • Hold Reason • Total Line/circuit Count • Geographic Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• 2W Analog Loop With INP-Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business - POTS Excluding Switch-Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations	• Retail Residence and Business
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-2: Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices

Definition

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC.

The interval is from the date/time the notice is released to the CLEC/BellSouth systems until 5pm on the commitment date of the order. The Percent of Orders is the percentage of orders given jeopardy notices for facility delay in the count of orders confirmed in the report period.

Exclusions

- Orders held for CLEC end user reasons
- Disconnect (D) & From (F) orders
- Non-Dispatch Orders

Business Rules

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC. The number of committed orders in a report period is the number of orders that have a due date in the reporting period. Jeopardy notices for interconnection trunks results are usually zero as these trunks seldom experience facility delays. The Committed due date is considered the Confirmed due date. This report measures dispatched orders only. If an order is originally sent as non-dispatch and it is determined there is a facility delay, the order is converted to a dispatch code so the facility problem can be corrected. It will remain coded dispatched until completion.

Calculation

Jeopardy Interval = a - b

- a = Date and Time of Jeopardy Notice
- b = Date and Time of Scheduled Due Date on Service Order

Average Jeopardy Interval = c / d

- c = Sum of all jeopardy intervals
- d = Number of Orders Notified of Jeopardy in Reporting Period

Percent of Orders Given Jeopardy Notice = (e / f) X 100

- e = Number of Orders Given Jeopardy Notices in Reporting Period
- f = Number of Orders Confirmed (due) in Reporting Period)

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Dispatch Orders
- Mechanized Orders
- Non-Mechanized Orders

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number and PON • Date and Time Jeopardy Notice Sent • Committed Due Date • Service Type Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number • Date and Time Jeopardy Notice Sent • Committed Due Date • Service Type

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
% Orders Given Jeopardy Notice	
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business (POTS Excluding Switch-Based Orders)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations	• Retail Business and Residence
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other	• Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN	• Retail ISDN BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non -Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail
• Average Jeopardy Notice Interval	• 95% >= 48 Hours

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-3: Percent Missed Installation Appointments

Definition

“Percent missed installation appointments” monitors the reliability of BellSouth commitments with respect to committed due dates to assure that the CLEC can reliably quote expected due dates to their retail customer as compared to BellSouth. This measure is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates and reported for Total misses and End User Misses.

Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders Test Orders, etc.)
- Disconnect (D) & From (F) orders
- End User Misses on Local Interconnection Trunks

Business Rules

Percent Missed Installation Appointments (PMI) is the percentage of orders with completion dates in the reporting period that are past the original committed due date. Missed Appointments caused by end-user reasons will be included and reported separately. The first commitment date on the service order that is a missed appointment is the missed appointment code used for calculation whether it is a BellSouth missed appointment or an End User missed appointment. The “due date” is any time on the confirmed due date. Which means there cannot be a cutoff time for commitments, as certain types of orders are requested to be worked after standard business hours. Also, during Daylight Savings Time, field technicians are scheduled until 9PM in some areas and the customer is offered a greater range of intervals from which to select.

Calculation

Percent Missed Installation Appointments = (a / b) X 100

- a = Number of Orders with Completion date in Reporting Period past the Original Committed Due Date
- b = Number of Orders Completed in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Report in Categories of <10 lines/circuits >= 10 lines/circuits (except trunks)
- Dispatch/No Dispatch

Report Explanation: The difference between End User MA and Total MA is the result of BellSouth caused misses. Here, Total MA is the total percent of orders missed either by BellSouth or CLEC end user. The End User MA represents the percentage of orders missed by the CLEC or their end user.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number and PON (PON) • Committed Due Date (DD) • Completion Date (CMPLTN DD) • Status Type • Status Notice Date • Standard Order Activity • Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number • Committed Due Date (DD) • Completion Date (CMPLTN DD) • Status Type • Status Notice Date • Standard Order Activity • Geographic Scope

SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business - (POTS Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business - (POTS Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business (POTS Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations - Dispatch Out - Non-Dispatch - Dispatch In - Switch-Based	• Retail Residence and Business - Dispatch Out - Non-Dispatch - Dispatch In - Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In) - Dispatch - Non-Dispatch (Dispatch In)
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL Provided to Retail
• UNE ISDN	• Retail ISDN - BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non - Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	X

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale POTS	• Retail Residence and Business (POTS)
• Resale Design	• Retail Design
• UNE Loop + Port Combinations	• Retail Residence and Business
• UNE Loops	• Retail Residence and Business Dispatch
• UNE xDSL	• ADSL Provided to Retail
• UNE Line Sharing	• ADSL Provided to Retail
• Local Interconnection Trunks	• Parity with Retail

P-4: Average Completion Interval (OCI) & Order Completion Interval Distribution

Definition

The “average completion interval” measure monitors the interval of time it takes BellSouth to provide service for the CLEC or its own customers. The “Order Completion Interval Distribution” provides the percentages of orders completed within certain time periods. This report measures how well BellSouth meets the interval offered to customers on service orders.

Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- Disconnect (D&F) orders (Except “D” orders associated with LNP Standalone)
- “L” Appointment coded orders (where the customer has requested a later than offered interval)

Business Rules

The actual completion interval is determined for each order processed during the reporting period. The completion interval is the elapsed time from when BellSouth issues a FOC or SOCS date time stamp receipt of an order from the CLEC to BellSouth’s actual order completion date. This includes all delays for BellSouth’s CLEC/End Users. The clock starts when a valid order number is assigned by SOCS and stops when the technician or system completes the order in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33-day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on the same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

The interval breakout for UNE and Design is: 0-5 = 0-4.99, 5-10 = 5-9.99, 10-15 = 10-14.99, 15-20 = 15-19.99, 20-25 = 20-24.99, 25-30 = 25-29.99, >= 30 = 30 and greater.

Calculation

Completion Interval = (a - b)

- a = Completion Date
- b = Order Issue Date

Average Completion Interval = (c / d)

- c = Sum of all Completion Intervals
- d = Count of Orders Completed in Reporting Period

Order Completion Interval Distribution (for each interval) = (e / f) X 100

- e = Service Orders Completed in “X” days
- f = Total Service Orders Completed in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Dispatch / No Dispatch categories applicable to all levels except trunks
- Residence & Business reported in day intervals = 0, 1, 2, 3, 4, 5, 5+
- UNE and Design reported in day intervals = 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, >= 30
- All Levels are reported <10 line/circuits; >= 10 line/circuits (except trunks)
- ISDN Orders included in Non-Design

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Company Name • Order Number (PON) • Application Date & Time (TICKET_ID) • Completion Date (CMLPTN_DT) • Service Type (CLASS_SVC_DESC) • Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number • Application Date & Time • Order Completion Date & Time • Service Type • Geographic Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations	• Retail Residence and Business
- Dispatch Out	- Dispatch Out
- Non-Dispatch	- Non-Dispatch
- Dispatch In	- Dispatch In
- Switch-Based	- Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)

P-4: Average Completion Interval (OCI) & Order Completion Interval Distribution

SQM Level of Disaggregation	SQM Analog/Benchmark
- UNE Combo Other - Dispatch - Non-Dispatch (Dispatch In)	- Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In) - Dispatch - Non-Dispatch (Dispatch In)
• UNE xDSL (HDSL, ADSL and UCL) without conditioning	• 7 Days
• UNE xDSL (HDSL, ADSL and UCL) with conditioning	• 14 Days
• UNE ISDN	• Retail ISDN BRI
• UNE Line Sharing	• ADSL Provided to Retail
• UNE Other Design	• Retail Design
• UNE Other Non-Design	• Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	• Parity with Retail

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	X

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Resale POTS	• Retail Residence and Business (POTS)
• Resale Design	• Retail Design
• UNE Loop + Port Combinations	• Retail Residence and Business
• UNE Loops	• Retail Residence and Business Dispatch
• UNE xDSL without conditioning	• 7 Days
• UNE xDSL with conditioning	• 14 Days
• UNE Line Sharing	• ADSL Provided to Retail
• Local Interconnection Trunks	• Parity with Retail

P-5: Average Completion Notice Interval

Definitions

The Completion Notice Interval is the elapsed time between the BellSouth reported completion of work and the issuance of a valid completion notice to the CLEC.

Exclusions

- Cancelled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- D&F orders (Exception: "D" orders associated with LNP Standalone)

Business Rules

Measurement on interval of completion date and time entered by a field technician on dispatched orders, and 5PM start time on the due date for non-dispatched orders; to the release of a notice to the CLEC/BellSouth of the completion status. The field technician notifies the CLEC the work was complete and then he/she enters the completion time stamp information in his/her computer. This information switches through to the SOCS systems either completing the order or rejecting the order to the Work Management Center (WMC). If the completion is rejected, it is manually corrected and then completed by the WMC. The notice is returned on each individual order.

The start time for all orders is the completion stamp either by the field technician or the 5PM due date stamp; the end time for mechanized orders is the time stamp the notice was transmitted to the CLEC interface (LENS, EDI, OR TAG). For non-mechanized orders the end timestamp will be timestamp of order update to C-SOTS system.

Calculation

Completion Notice Interval = (a - b)

- a = Date and Time of Notice of Completion
- b = Date and Time of Work Completion

Average Completion Notice Interval = c / d

- c = Sum of all Completion Notice Intervals
- d = Number of Orders with Notice of Completion in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Mechanized Orders
- Non-Mechanized Orders
- Reporting intervals in Hours; 0, 1-2, 2-4, 4-8, 8-12, 12-24, >= 24 plus Overall Average Hour Interval (The categories are inclusive of these time intervals: 0-1 = 0.99; 1-2 = 1-1.99; 2-4 = 2-3.99, etc.)
- Reported in categories of <10 line/circuits; >= 10 line/circuits (except trunks)

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number (so_nbr) • Work Completion Date (cmplt_n_dt) • Work Completion Time • Completion Notice Availability Date • Completion Notice Availability Time • Service Type • Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number (so_nbr) • Work Completion Date (cmplt_n_dt) • Work Completion Time • Completion Notice Availability Date • Completion Notice Availability Time • Service Type • Geographic Scope NOTE: Code in parentheses is the corresponding header found in the raw data file.

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence
• Resale Business	• Retail Business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• LNP (Standalone)	• Retail Residence and Business (POTS)
• INP (Standalone)	• Retail Residence and Business (POTS)
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business (POTS Excluding Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations	• Retail Residence and Business
- Dispatch Out	- Dispatch Out
- Non-Dispatch	- Non-Dispatch
- Dispatch In	- Dispatch In
- Switch-Based	- Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)

SQM Level of Disaggregation	SQM Analog/Benchmark
- UNE Combo Other - Dispatch - Non-Dispatch (Dispatch In)	- Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In) - Dispatch - Non-Dispatch (Dispatch In)
UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
UNE ISDN	Retail ISDN BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	Retail Design
UNE Other Non-Design	Retail Residence and Business
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice
Local Interconnection Trunks	Parity with Retail

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-6: % Completions/Attempts without Notice or < 24 hours Notice

Definition

This Report measures the interval from the FOC end timestamp on the LSR until 5:00 P.M. on the original committed due date of a service order. The purpose of this measure is to report if BellSouth is returning a FOC to the CLEC in time for the CLEC to notify their customer of the scheduled date.

Exclusions

“0” dated orders or any request where the subscriber requested an earlier due date of < 24 hours prior to the original commitment date, or any LSR received < 24 hours prior to the original commitment date.

Business Rules

For CLEC Results:

Calculation would exclude any successful or unsuccessful service delivery where the CLEC was informed at least 24 hours in advance. BellSouth may also exclude from calculation any LSRs received from the requesting CLEC with less than 24 hour notice prior to the commitment date.

For BellSouth Results:

BellSouth does not provide a FOC to its retail customers.

Calculation

Percent Completions or Attempts without Notice or with Less Than 24 Hours Notice = $(a / b) \times 100$

- a = Completion Dispatches (Successful and Unsuccessful) With No FOC or FOC Received < 24 Hours of original Committed Due Date
- b = All Completions

Report Structure

- CLEC Specific
- CLEC Aggregate
- Dispatch /Non-Dispatch
- Total Orders FOC < 24 Hours
- Total Completed Service Orders
- % FOC < 24 Hours

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Committed Due Date (DD) • FOC End Timestamp • Report Month • CLEC Order Number and PON • Geographic Scope - State / Region	• Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence • Resale Business • Resale Design • Resale PBX • Resale Centrex • Resale ISDN • LNP (Standalone) • INP (Standalone) • 2W Analog Loop Design • 2W Analog Loop Non-Design • 2W Analog Loop With LNP-Design • 2W Analog Loop With LNP Non-Design • 2W Analog Loop With INP-Design • 2W Analog Loop With INP Non-Design • UNE Digital Loop < DS1 • UNE Digital Loop >=DS1 • UNE Loop + Port Combinations • UNE Switch ports • UNE Combo Other • UNE xDSL (HDSL, ADSL and UCL) • UNE ISDN • UNE Line Sharing • UNE Other Design • UNE Other Non -Design • Local Transport (Unbundled Interoffice Transport) • Local Interconnection Trunks	• Diagnostic

P-6: % Completions/Attempts without Notice or < 24 hours Notice

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-7: Coordinated Customer Conversions Interval

Definition

This report measures the average time it takes BellSouth to disconnect an unbundled loop from the BellSouth switch and cross connect it to CLEC equipment. This measurement applies to service orders with INP and with LNP, and where the CLEC has requested BellSouth to provide a coordinated cut over.

Exclusions

- Any order canceled by the CLEC will be excluded from this measurement
- Delays due to CLEC following disconnection of the unbundled loop
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested

Business Rules

When the service order includes INP, the interval includes the total time for the cut over including the translation time to place the line back in service on the ported line. When the service order includes LNP, the interval only includes the total time for the cut over (the port of the number is controlled by the CLEC). The interval is calculated for the entire cut over time for the service order and then divided by items worked in that time to give the average per-item interval for each service order.

Calculation

Coordinated Customer Conversions Interval = (a - b)

- a = Completion Date and Time for Cross Connection of a Coordinated Unbundled Loop
- b = Disconnection Date and Time of an Coordinated Unbundled Loop

Percent Coordinated Customer Conversions (for each interval) = (c / d) X 100

- c = Total number of Coordinated Customer Conversions for each interval
- d = Total Number of Unbundled Loop with Coordinated Conversions (items) for the reporting period

Report Structure

- CLEC Specific
- CLEC Aggregate
- The interval breakout is 0-5 = 0-4.99, 5-15 = 5-14.99, >=15 = 15 and greater, plus Overall Average Interval.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number • Committed Due Date (DD) • Service Type (CLASS_SVC_DESC) • Cut over Start Time • Cut over Completion Time • Portability Start and Completion Times (INP orders) • Total Conversions (Items) Note: Code in parentheses is the corresponding header found in the raw data file.	• No BellSouth Analog Exists

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Unbundled Loops with INP/LNP • Unbundled Loops without INP/LNP	• 95% <= 15 minutes

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Unbundled Loops	• 95% <= 15 minutes

P-7A: Coordinated Customer Conversions – Hot Cut Timeliness% Within Interval and Average Interval

Definition

This category measures whether BellSouth begins the cut over of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. It measures the percentage of orders where the cut begins within 15 minutes of the requested start time of the order and the average interval.

Exclusions

- Any order canceled by the CLEC will be excluded from this measurement
- Delays caused by the CLEC
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested
- All unbundled loops on multiple loop orders after the first loop

Business Rules

This report measures whether BellSouth begins the cut over of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. The cut is considered on time if it starts 15 minutes before or after the requested start time. Using the scheduled time and the actual cut over start time, the measurement will calculate the percent within interval and the average interval. If a cut involves multiple lines, the cut will be considered “on time” if the first line is cut within the interval. ≤ 15 minutes includes intervals that began 15:00 minutes or less before the scheduled cut time and cuts that began 15 minutes or less after the scheduled cut time; >15 minutes, ≤ 30 minutes includes cuts within 15:00 – 30:00 minutes either prior to or after the scheduled cut time; >30 minutes includes cuts greater than 30:00 minutes either prior to or after the scheduled cut time.

Calculation

% within Interval = $(a / b) \times 100$

- a = Total Number of Coordinated Unbundled Loop Orders for the interval
- b = Total Number of Coordinated Unbundled Loop Orders for the reporting period

Interval = $(c - d)$

- c = Scheduled Time for Cross Connection of a Coordinated Unbundled Loop Order
- d = Actual Start Date and Time of a Coordinated Unbundled Loop Order

Average Interval = (e / f)

- Sum of all Intervals
- Total Number of Coordinated Unbundled Loop Orders for the reporting period.

Report Structure

- CLEC Specific
- CLEC Aggregate
Reported in intervals of early, on time and late cuts % ≤ 15 minutes; % >15 minutes, ≤ 30 minutes; % > 30 minutes, plus Overall Average Interval.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number (so_nbr) • Committed Due Date (DD) • Service Type (CLASS_SVC_DESC) • Cut over Scheduled Start Time • Cut over Actual Start Time • Total Conversions Orders Note: Code in parentheses is the corresponding header found in the raw data file.	• No BellSouth Analog exists

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Product Reporting Level - SL1 Time Specific - SL1 Non-Time Specific - SL2 Time Specific - SL2 Non-Time Specific	• 95% Within + or – 15 minutes of Scheduled Start Time

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Loops	• 95% Within + or – 15 minutes of Scheduled Start time

P-7B: Coordinated Customer Conversions – Average Recovery Time

Definition

Measures the time between notification and resolution by BellSouth of a service outage found that can be isolated to the BellSouth side of the network. The time between notification and resolution by BellSouth must be measured to ensure that CLEC customers do not experience unjustifiable lengthy service outages during a Coordinated Customer Conversion. This report measures outages associated with Coordinated Customer Conversions prior to service order completion.

Exclusions

- Cut overs where service outages are due to CLEC caused reasons
- Cut overs where service outages are due to end-user caused reasons

Business Rules

Measures the outage duration time related to Coordinated Customer Conversions from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The duration time is defined as the time from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The interval is calculated on the total outage time for the circuits divided by the total number of outages restored during the report period to give the average outage duration.

Calculation

Recovery Time = (a - b)

- a = Date & Time That Trouble is Closed by CLEC
- b = Date & Time Initial Trouble is Opened with BellSouth

Average Recovery Time = (c / d)

- c = Sum of all the Recovery Times
- d = Number of Troubles Referred to the BellSouth

Report Structure

- CLEC Specific
- CLEC Aggregate

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Company Name • CLEC Order Number (so_nbr) • Committed Due Date (DD) • Service Type (CLASS_SVC_DESC) • CLEC Acceptance Conflict (CLEC_CONFLICT) • CLEC Conflict Resolved (CLEC_RESOLVE) • CLEC Conflict MFC (CLEC_CONFLICT_MFC) • Total Conversion Orders Note: Code in parentheses is the corresponding header found in the raw data file.	• None

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Unbundled Loops with INP/LNP • Unbundled Loops without INP/LNP	• Diagnostic

SEEM Measure

SEEM Measure		
No	Tier I	
	Tier II	
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Not Applicable	• Not Applicable

P-7C: Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a completed Service Order

Definition

Percent Provisioning Troubles received within 7 days of a completed service order associated with a Coordinated and Non-Coordinated Customer Conversion. Measures the quality and accuracy of Hot Cut Conversion Activities.

Exclusions

- Any order canceled by the CLEC
- Troubles caused by Customer Provided Equipment

Business Rules

Measures the quality and accuracy of completed service orders associated with Coordinated and Non-Coordinated Hot Cut Conversions. The first trouble report received on a circuit ID within 7 days following a service order completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed Coordinated and Non-Coordinated Hot Cut Conversion service orders and following 7 days after the completion of the service order for a trouble report issue date.

Calculation

% Provisioning Troubles within 7 days of service order completion = $(a / b) \times 100$

- a = The sum of all Hot Cut Circuits with a trouble within 7 days following service order(s) completion
- b = The total number of Hot Cut service order circuits completed in the previous report calendar month

Report Structure

- CLEC Specific
- CLEC Aggregate
- Dispatch/Non-Dispatch

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number (so_nbr) • PON • Order Submission Date (TICKET_ID) • Order Submission Time (TICKET_ID) • Status Type • Status Notice Date • Standard Order Activity • Geographic Scope • Total Conversion Circuits Note: Code in parentheses is the corresponding header found in the raw data file.	• No BellSouth Analog Exists

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• UNE Loop Design • UNE Loop Non-Design	• $\leq 5\%$

P-7C: Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a completed Service Order

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE Loops	• <= 5%

P-8: Cooperative Acceptance Testing - % of xDSL Loops Tested

Definition

The loop will be considered cooperatively tested when the BellSouth technician places a call to the CLEC representative to initiate cooperative testing and jointly performs the tests with the CLEC.

Exclusions

- Testing failures due to CLEC (incorrect contact number, CLEC not ready, etc.)
- xDSL lines with no request for cooperative testing

Business Rules

When a BellSouth technician finishes delivering an order for an xDSL loop where the CLEC order calls for cooperative testing at the customer's premise, the BellSouth technician is to call a toll free number to the CLEC testing center. The BellSouth technician and the CLEC representative at the center then test the line. As an example of the type of testing performed, the testing center may ask the technician to put a short on the line so that the center can run a test to see if it can identify the short.

Calculation

Cooperative Acceptance Testing - % of xDSL Loops Tested = (a / b) X 100

- a = Total number of successful xDSL cooperative tests for xDSL lines where cooperative testing was requested in the reporting period
- b = Total Number of xDSL line tests requested by the CLEC and scheduled in the reporting period

Report Structure

- CLEC Specific
- CLEC Aggregate
- Type of Loop tested

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Company Name (OCN) • CLEC Order Number (so_nbr) and PON (PON) • Committed Due Date (DD) • Service Type (CLASS_SVC_DESC) • Acceptance Testing Completed (ACCEPT_TESTING) • Acceptance Testing Declined (ACCEPT_TESTING) • Total xDSL Orders Note: Code in parentheses is the corresponding header found in the raw data file.	• No BellSouth Analog Exists

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation:	SQM Analog/Benchmark:
• UNE xDSL - ADSL - HDSL - UCL - OTHER	• 95% of Lines Tested

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X
	Tier III	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• UNE xDSL	• 95% of Lines Tested

P-9: % Provisioning Troubles within 30 days of Service Order Completion

Definition

Percent Provisioning Troubles within 30 days of Service Order Completion measures the quality and accuracy of Service order activities.

Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- D & F orders
- Trouble reports caused and closed out to Customer Provided Equipment (CPE)

Business Rules

Measures the quality and accuracy of completed orders. The first trouble report from a service order after completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed service orders and following 30 days after completion of the service order for a trouble report issue date.

D & F orders are excluded as there is no subsequent activity following a disconnect.

Note: Standalone LNP historical data is not available in the maintenance systems (LMOS or WFA).

Calculation

% Provisioning Troubles within 30 days of Service Order Activity = (a / b) X 100

- a = Trouble reports on all completed orders 30 days following service order(s) completion
- b = All Service Orders completed in the previous report calendar month

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Reported in categories of <10 line/circuits; >= 10 line/circuits (except trunks)
- Dispatch / No Dispatch (except trunks)

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month • CLEC Order Number and PON • Order Submission Date (TICKET_ID) • Order Submission Time (TICKET_ID) • Status Type • Status Notice Date • Standard Order Activity • Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file.	• Report Month • BellSouth Order Number • Order Submission Date • Order Submission Time • Status Type • Status Notice Date • Standard Order Activity • Geographic Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Residence	• Retail Residence

Tennessee Interim Performance Metrics

SQM Level of Disaggregation	SQM Analog/Benchmark
• Resale Business	• Retail business
• Resale Design	• Retail Design
• Resale PBX	• Retail PBX
• Resale Centrex	• Retail Centrex
• Resale ISDN	• Retail ISDN
• 2W Analog Loop Design	• Retail Residence and Business Dispatch
• 2W Analog Loop Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business - (POTS Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• 2W Analog Loop With LNP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With LNP Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business - (POTS Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• 2W Analog Loop With INP Design	• Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence and Business (POTS - Excluding Switch-Based Orders) - Dispatch - Non-Dispatch (Dispatch In)
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE xDSL (HDSL, ADSL and UCL)	• ADSL provided to Retail
• UNE ISDN	• Retail ISDN BRI
• UNE Line Sharing	• ADSL Provided to Retail
• INP (Standalone)	• Retail Residence and Business (POTS)
• LNP (Standalone)	• Retail Residence and Business (POTS)
• UNE Loop + Port Combinations - Dispatch Out - Non-Dispatch - Dispatch In - Switch-Based	• Retail Residence and Business - Dispatch Out - Non-Dispatch - Dispatch In - Switch-Based
• UNE Switch Ports	• Retail Residence and Business (POTS)
• UNE Combo Other - Dispatch - Non-Dispatch (Dispatch In)	• Retail Residence, Business and Design Dispatch (Including Dispatch Out and Dispatch In) - Dispatch - Non-Dispatch (Dispatch In)
• Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
• UNE Other Non-Design	• Retail Residence and Business
• UNE Other Design	• Retail Design
• Local Interconnection Trunks	• Parity with Retail

P-9: % Provisioning Troubles within 30 days of Service Order Completion