

180 South Clinton Ave  
Rochester, New York  
Tariff No. 3-B

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Regulations, Rates and Charges  
applying to the provision of Access Services  
for connection to intrastate communications facilities  
for customers within the operating territories of

FRONTIER COMMUNICATIONS OF THE SOUTHWEST INC.  
Operating in the State of Nevada

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

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**ACCESS SERVICE**

**EXPLANATION OF SYMBOLS**

- (C) - To signify changed regulation
- (D) - To signify discontinued rate or regulation
- (I) - To signify increase
- (M) - To signify matter relocated without change
- (N) - To signify new rate or regulation
- (R) - To signify reduction
- (S) - To signify reissued matter
- (T) - To signify a change in text but no change in rate or regulation
- (Z) - To signify a correction

**EXPLANATION OF ABBREVIATIONS**

- ac - Alternating current
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- AP - Program Audio
- ASR - Access Service Request
- AT&T - American Telephone and Telegraph Company
- BD - Business Day
- BHMC - Busy Hour Minutes of Capacity
- CAROT - Centralized Automatic Reporting on Trunks
- CI - Changes Interface
- CO - Central Office
- COCTX - Central Office Centrex
- Continued - Continued
- CPE - Customer Provided Equipment
- Ctx - Centrex
- dB - decibel
- dBrnC - Decibel Reference Noise C-Message Weighting
- dBrnC0 - Decibel Reference Noise C-Message Weighted O
- dBv - Decibel(s) Relative to 1 Volt (Reference)
- dBvl - Decibel(s) Relating to 1 Volt (Reference)
- dc - direct current
- EDD - Envelope Delay Distortion
- ELEPL - Equal Level Echo Path Loss
- EML - Expected Measured Loss
- EPL - Echo Path Loss
- ERL - Echo Return Loss

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**EXPLANATION OF ABBREVIATIONS (Continued)**

- |      |   |       |  |
|------|---|-------|--|
| ESS  | - Electronic Switching System           | TLP   | - Transmission Level Point                 |
| ESSX | - Electronic Switching System Exchange  | TSPS  | - Traffic Service Position System          |
| F    | - frequency                             | TV    | - Television                               |
| FID  | - Field Identifier                      | USOC  | - Uniform Service Order Code               |
| FCC  | - Federal Communications Commission     | VG    | - Voice Grade                              |
| FX   | - Foreign Exchange                      | V & H | - Vertical & Horizontal                    |
| HC   | - High Capacity                         | WA    | - Wideband Analog                          |
| Hz   | - Hertz                                 | WATS  | - Wide Area Telecommunications Service (s) |
| IC   | - Interexchange Carrier                 | WD    | - Wideband Data                            |
| ICB  | - Individual Case Basis                 |       |  |
| ICL  | - Inserted Connection Loss              |       |  |
| KBPS | - Kilobits per second                   |       |  |
| KHZ  | - Kilohertz                             |       |  |
| LATA | - Local Access and Transport Area       |       |  |
| Ma   | - Milliamperes                          |       |  |
| Mbps | - Megabits per second                   |       |  |
| MHz  | - Megahertz                             |       |  |
| MMUC | - Minimum Monthly Usage Charge          |       |  |
| MRC  | - Monthly Recurring Charge              |       |  |
| MT   | - Metallic                              |       |  |
| MTS  | - Message Telecommunications Service(s) |       |  |
| NPA  | - Numbering Plan Area                   |       |  |
| NRC  | - Nonrecurring Charge                   |       |  |
| NTS  | - Non-Traffic Sensitive                 |       |  |
| NXX  | - Three-Digit Central Office Code       |       |  |
| OTPL | - Zero Transmission Level Point         |       |  |
| PBX  | - Private Branch Exchange               |       |  |
| PCM  | - Pulse Code Modulation                 |       |  |
| PLP  | - Private Line Ringdown                 |       |  |
| POT  | - Point of Termination                  |       |  |
| Rms  | - root-mean-square                      |       |  |
| RSM  | - Remote Switching Modules              |       |  |
| RSS  | - Remote Switching Systems              |       |  |
| SRL  | - Singing Return Loss                   |       |  |
| SSN  | - Switched Service Network              |       |  |
| SWC  | - Serving Wire Center                   |       |  |
| TES  | - Telephone Exchange Service(s)         |       |  |

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**ACCESS SERVICE**

**REFERENCE TO OTHER TARIFFS**

Whenever reference is made in this tariff to other tariffs of the Telephone Company, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

**REFERENCE TO TECHNICAL PUBLICATIONS**

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Distribution Storage Center, 60 New England Avenue, Piscataway, N.J. 08854.

Compatibility Bulletin 106, Issue 2  
 Issued: December, 1981 Available: March 11, 1982

Technical Reference:

PUB 41451 High Capacity Terrestrial Digital Service  
 Issued: January, 1983 Available: May 17, 1983

PUB 60101  
 Issued: December, 1982 Available: January 17, 1983

PUB 41004 Data Communications Using Voiceband Private  
 Line Channels  
 Issued: October, 1973 Available: October, 1973

PUB 62310 Digital Data System Channel Interface Specification  
 Issued: September, 1983 Available: October, 1983

PUB 62411 High Capacity Digital Service Channel Interface  
 Specifications  
 Issued: September, 1983 Available: October, 1983

TR-NPL-000334 Voice Grade Switched Access Service  
 Issued: June, 1986 Available: July, 1986

TR-NPL-000335 Voice Grade Special Access Service  
 Issued: June, 1986 Available: July, 1986

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**REFERENCE TO TECHNICAL PUBLICATIONS (Continued)**

PUB 62501 Addendum Voice Grade Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62502 Narrowband Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62503 Program Audio Special Access Service Issued: December, 1983	Available: March 15, 1984
PUB 62503 Addendum Program Audio Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62504 Television Special Access Service Issued: December, 1983	Available: March 15, 1984
PUB 62504 Addendum Television Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62505 Wideband Analog Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62505 Addendum Wideband Analog Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62506 Wideband Digital Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62507 Digital Data Special Access Service Issued: December, 1983	Available: March 15, 1984
PUB 62508 High Capacity Digital Special Access Service Issued: December, 1983	Available: January, 1984

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**REFERENCE TO TECHNICAL PUBLICATIONS (Continued)**

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering  
Volume 3 - Networks and Services (Chapter 6 and 7)  
Second Edition, 1980  
Issued: June, 1980

Available: June, 1980

The following Technical Publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Vice President - Tariff and Regulatory Matters, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II  
Issued: May, 1984  
Addendum: March 1987

Available: May, 1984  
Available: March, 1987

The following tariff is referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor.

Exchange Carrier Association  
Tariff FCC No. 4

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<b>ACCESS SERVICE</b>			
<b><u>ACCESS TARIFF RATE ELEMENT SUMMARY</u></b>			
Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Carrier Common Line Access Service			
Transitional	0.000000	0.000000	3.8.1
Statewide	.0	.0	3.8.2
Access Service Request Modifications			5.2.1
Service Date Change Charge	26.21	26.21	5.2.1
Design Change Charge	26.21	26.21	5.2.1
Switched Access Service			
	<u>Originating</u>	<u>Terminating*</u>	(T)
Prem Local Switching 1 (Bundled)	\$0.01810700		6.3 (D)
Prem Local Switching 2 (Bundled)	\$0.01810700		6.3
N-Prem Local Switching (Bundled)	\$0.00814800		6.3
Prem Local Switching 1 (Unbundled) CKT SW LN	\$0.04621011		6.3
Prem Local Switching 2 (Unbundled) CKT SW LN	\$0.04621011		6.3
N-Prem Local Switching (Unbundled) CKT SW LN	\$0.04621011		6.3
Prem Local Switching 1 (Unbundled) CKT SW TRK	\$0.04621011		6.3
Prem Local Switching 2 (Unbundled) CKT SW TRK	\$0.04621011		6.3
N-Prem Local Switching (Unbundled) CKT SW TRK	\$0.04621011		6.3
Tandem Switched Transport Facility	\$0.00066770		6.3
Tandem Switched Transport Termination	\$0.00116181		6.3 (D)
* See Frontier Telephone Companies Tariff FCC No. 6 for Terminating rates.			(N)
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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service		Rates		Tariff Schedule Location Reference
		InterLATA	IntraLATA	
Special Access Service				
Circuit Terminations				
Metallic Service:	MR*	\$ 18.41	\$ 18.41	7.3.5,A
	NC#	75.80	None	7.3.5,A
Telegraph Grade Service:				
2-Wire	MR*	18.41	18.41	7.4.5,A
	NC#	75.80	None	7.4.5,A
4-Wire	MR*	29.46	29.46	7.4.5,A
	NC#	75.80	None	7.4.5,A
Voice Grade Service:				
2-Wire	MR*	30.78	30.78	7.5.5,A
	NC#	None	None	7.5.5,A
4-Wire	MR*	61.83	61.83	7.5.5,A
	NC#	None	None	7.5.5,A
Program Audio Service	MR*	ICB	ICB	7.6.5,A
	NC#	ICB	ICB	7.6.5,A
Video Service	MR*	ICB	ICB	7.7.4,A
	NC#	None	None	7.7.4,A
Wideband Analog Service	MR*	ICB	ICB	7.8.5,A
	NC#	ICB	ICB	7.8.5,A
Wideband Data Service	MR*	ICB	ICB	7.9.5,A
	NC#	ICB	ICB	7.9.5,A
Digital Data Service	MR*	ICB	ICB	7.10.5,A
	NC#	ICB	ICB	7.10.5,A
High Capacity Service				
1.544 Mbps	MR*	159.90	159.90	7.11.5,A
	NC#	432.68	None	7.11.5,A
All others	MR*	ICB	ICB	7.11.5,A
	NC#	ICB	ICB	7.11.5,A

\* Monthly Rate  
 # Nonrecurring Charge

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference	
	InterLATA	IntraLATA		
Special Access Service (Continued)				
Circuit Mileage				
Metallic Service				
Monthly Rate:	Fixed	\$ 77.48	\$ 77.48	7.3.5,B
	Per Mile	2.15	2.15	7.3.5,B
Telegraph Grade Service				
Monthly Rate:	Fixed	77.48	77.48	7.4.5,B
	Per Mile	2.15	2.15	7.4.5,B
Voice Grade Service				
Monthly Rate:	Fixed	16.21	16.21	7.5.5,B
	Per Mile	1.86	1.86	7.5.5,B
Program Audio Service				
Monthly Rate:	Fixed	ICB	ICB	7.6.5,B
	Per Mile	ICB	ICB	7.6.5,B
Daily Rate:	Fixed	ICB	ICB	7.6.5,B
	Per Mile	ICB	ICB	7.6.5,B
Video Service				
Monthly Rate:	Fixed	ICB	ICB	7.7.4,B
	Per Mile	ICB	ICB	7.7.4,B
Daily Rate:	Fixed	ICB	ICB	7.7.4,B
	Per Mile	ICB	ICB	7.7.4,B

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ACCESS SERVICE					
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>					
Access Service	Rates				Tariff Schedule Location Reference
	InterLATA		IntraLATA		
Special Access Service (Continued)					
Circuit Mileage (Continued)					
Wideband Analog Service					
Monthly Rate:	Fixed	ICB	ICB	ICB	7.8.5,B
	Per Mile	ICB	ICB	ICB	7.8.5,B
Daily Rate:	Fixed	ICB	ICB	ICB	7.8.5,B
	Per Mile	ICB	ICB	ICB	7.8.5,B
Wideband Data Service					
Monthly Rate:	Fixed	ICB	ICB	ICB	7.9.5,B
	Per Mile	ICB	ICB	ICB	7.9.5,B
Digital Data Service					
Monthly Rate:	Fixed	ICB	ICB	ICB	7.10.5,B
	Per Mile	ICB	ICB	ICB	7.10.5,B
High Capacity Service					
1.544 Mbps					
Monthly Rate:	Fixed	\$453.23	\$453.23	ICB	7.11.5,B
	Per Mile	35.52	35.52	ICB	7.11.5,B
Other					
Monthly Rate:	Fixed	ICB	ICB	ICB	7.11.5,B
	Per Mile	ICB	ICB	ICB	7.11.5,B
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ACCESS SERVICE				
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>				
Access Service		Rates		Tariff Schedule Location Reference
		InterLATA	IntraLATA	
Special Access Service (Continued)				
Optional Features and Functions				
Metallic				
Bridging:	M.R.*	\$ 3.82	\$ 3.82	7.3.5,C,1
	N.C.#	None	None	7.3.5,C,1
Telegraph				
Bridging:	M.R.*	3.82	3.82	7.4.5,C,1
	N.C.#	None	None	7.4.5,C,1
Voice Grade Service				
Voice Bridging:	M.R.*	3.82	3.82	7.5.5,C,1
(2- & 4-wire)				
Data Bridging:	M.R.*	3.82	3.82	7.5.5,C,1
(2- & 4-wire)	N.C.#	None	None	7.5.5,C,1
Telephoto Bridging:	M.R.*	3.82	3.82	7.5.5,C,1
(2- & 4-wire)	N.C.#	None	None	7.5.5,C,1
Conditioning				
C-Type:	M.R.*	5.69	5.69	7.5.5,C,2
	N.C.#	None	None	7.5.5,C,2
Sealing Current:	M.R.*	None	None	7.5.5,C,2
	N.C.#	None	None	7.5.5,C,2
Improved Return Loss for Effective 4-wire Transmission				
Per Termination:	M.R.*	1.69	1.69	7.5.5,C,3
(2- & 4-wire)	N.C.#	None	None	7.5.5,C,3
(Continued)				
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<b>ACCESS SERVICE</b>				
<b><u>ACCESS TARIFF RATE ELEMENT SUMMARY</u></b>				
Access Service		Rates		Tariff Schedule Location Reference
		InterLATA	IntraLATA	
Special Access Service (Continued)				
Optional Features and Functions (Continued)				
Voice Grade Service (Continued)				
Customer Specified Receive Level				
2-wire Termination:	M.R.*	None	None	7.5.5,C,4
	N.C.#	None	None	7.5.5,C,4
Multiplexing:	M.R.*	\$216.75	\$216.75	7.5.5,C,5
	N.C.#	None	None	7.5.5,C,5
Data Capacity:	M.R.*	1.27	1.27	7.5.5,C,6
	N.C.#	234.00	234.00	7.5.5,C,6
Telephoto Capacity:	M.R.*	2.81	2.81	7.5.5,C,7
	N.C.#	234.00	234.00	7.5.5,C,7
Signaling Capacity:	M.R.*	13.14	13.14	7.5.5,C,8
	N.C.#	None	None	7.5.5,C,8
Selective Signaling:	M.R.*	14.05	14.05	7.5.5,C,9
	N.C.#	None	None	7.5.5,C,9
Transfer Arrangement:	M.R.*	3.00	3.00	7.5.5,C,10
	N.C.#	None	None	7.5.5,C,10
(Continued)				
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ACCESS SERVICE				
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>				
Access Service		Rates		Tariff Schedule Location Reference
		InterLATA	IntraLATA	
Special Access Service (Continued)				
Optional Features and Functions (Continued)				
Program Audio Service (Continued)				
Bridging:	M.R.*	\$ 19.15	\$ 19.15	7.6.5,C
	D.R.#	1.92	1.92	7.6.5,C
	N.C.0/	None	None	7.6.5,C
Gain Conditioning:	M.R.*	5.69	5.69	7.6.5,C
	D.R.#	.56	.56	7.6.5,C
	N.C.0/	164.00	164.00	7.6.5,C
Stereo:	M.R.*	None	None	7.6.5,C
	D.R.#	None	None	7.6.5,C
	N.C.0/	361.00	361.00	7.6.5,C
Wideband Analog Service				
Multiplexing				
Mastergroup to Supergroup:				
Fixed		ICB	ICB	7.8.5,C,1
Per Mile		None	None	7.8.5,C,1
Supergroup to Group:				
Fixed		ICB	ICB	7.8.5,C,1
Per Mile		None	None	7.8.5,C,1
(Continued)				
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ACCESS SERVICE				
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>				
Access Service	Rates		Tariff Schedule Location Reference	
	InterLATA	IntraLATA		
Special Access Service (Continued)				
Optional Features and Functions (Continued)				
Wideband Analog Service (Continued)				
Multiplexing (Continued)				
Group to Voice:				
Fixed	ICB	ICB	7.8.5,C,1	
Per Mile	None	None	7.8.5,C,1	
Group to DS1:				
Fixed	ICB	ICB	7.8.5,C,1	
Per Mile	None	None	7.8.5,C,1	
Wideband Data Service				
Key Activated Transfer Arrangement:				
Monthly Rate	ICB	ICB	7.9.5,C,1	
Nonrecurring Charge	ICB	ICB	7.9.5,C,1	
Digital Data Service				
Bridging:	Monthly Rate	\$ 23.77	\$ 23.77	7.10.5,C,1
	Nonrecurring Charge	None	None	7.10.5,C,1
Loop Transfer:	Monthly Rate	5.96	5.96	7.10.5,C,2
	Nonrecurring Charge	None	None	7.10.5,C,2
(Continued)				
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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service		Rates		Tariff
		InterLATA	IntraLATA	Schedule Location Reference
Special Access Service (Continued)				
Optional Features and Functions (Continued)				
High Capacity Service				
Multiplexing				
DS4 to DS1:	M.R.*	ICB	ICB	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DS3 to DS1:	M.R.*	ICB	ICB	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DS2 to DS1:	M.R.*	ICB	ICB	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DS1C to DS1:	M.R.*	ICB	ICB	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DS1 to Voice:	M.R.*	\$317.99	\$317.99	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DS1 to DSO:	M.R.*	551.32	551.32	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
DSO to Subrates				
2.4 kbps:	M.R.*	450.88	450.88	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
4.8 kbps:	M.R.*	232.39	232.39	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
9.6 kbps:	M.R.*	161.56	161.56	7.11.5,C,1
	N.C.#	None	None	7.11.5,C,1
Automatic Loop:				
	M.R.*	388.30	388.30	7.11.5,C,2
	N.C.#	None	None	7.11.5,C,2
Transfer Arrangement:				
	M.R.*	165.00	165.00	7.11.5,C,3
	N.C.#	None	None	7.11.5,C,3

\* Monthly Rate  
 # Nonrecurring Charge

(Continued)

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6<sup>th</sup> Revised P.U.C.N. Sheet No. 41

ACCESS SERVICE					
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>					
Access Service		Rates		Tariff Schedule Location Reference	
		InterLATA	IntraLATA		
Special Access Service (Continued)					
Wideband Data Service					
303 Data Station:	M.R.*	ICB	ICB	7.9.5,D	
	N.C.#	ICB	ICB	7.9.5,D	
Digital Data Service					
2.4 kbps:	M.R.*	\$ 16.41	\$ 16.41	7.10.5,D	
	N.C.#	None	None	7.10.5,D	
4.8 kbps:	M.R.*	17.54	17.54	7.10.5,D	
	N.C.#	None	None	7.10.5,D	
9.6 kbps:	M.R.*	18.40	18.40	7.10.5,D	
	N.C.#	None	None	7.10.5,D	
56.0 kbps:	M.R.*	19.17	19.17	7.10.5,D	
	N.C.#	None	None	7.10.5,D	
High Capacity Service					
Network Channel Termination					
1.544 Mbps:	M.R.*	84.71	84.71	7.11.5,D	
	N.C.#	None	None	7.11.5,D	
Automatic Loop Transfer:	M.R.*	894.01	894.01	7.11.5,D	
	N.C.#	None	None	7.11.5,D	
Nevada Universal Service Fund (NUSF) Service	M.R.*	0.2827%	0.2827%	7.13	(l)
* Monthly Rate					
# Nonrecurring Charge					
(Continued)					
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Effective:	Senior Vice President				
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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff
	InterLATA	IntraLATA	Schedule Location Reference
Billing and Collection			
Message Recording			
Recording: IC Message	*	*	8.1.7,A
Special Order	\$ 20.00	\$ 20.00	8.1.7,A
Assembling and Editing	ICB	ICB	8.1.7,B
Provision of IC Message Detail:			
Record Processed	ICB	ICB	8.1.7,C
Tape or Data File	ICB	ICB	8.1.7,C
Data Transmission	ICB	ICB	8.1.7,D
Message Billing			8.2.1
Message Processing			8.2.1,G,1
1 year period	*	*	8.2.1,G,1
3 year period	*	*	8.2.1,G,1
5 year period	*	*	8.2.1,G,1
Additional Message Processing	#	#	8.2.1,G,2
Program Development			8.2.1,G,3
Basic	ICB	ICB	8.2.1,G,3
Premium	ICB	ICB	8.2.1,G,3
Data Transmission			8.2.1,G,4
Transmitted	ICB	ICB	8.2.1,G,4
Received	ICB	ICB	8.2.1,G,4

\* Included in Bill Processing Rates, 8.2.1,G,7.  
 # Included in Additional Bill Processing Rates, 8.2.1,G,7.

(Continued)

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ACCESS SERVICE				
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>				
Access Service	Rates		Tariff Schedule Location Reference	
	InterLATA	IntraLATA		
Billing and Collection (Continued)				
Message Billing (Continued)				
Provision of Rated IC Message Detail				
Record Processed	ICB	ICB	8.2.1,G,5	
Tape or Data File	ICB	ICB	8.2.1,G,5	
Data Transmission	ICB	ICB	8.2.1,G,6	
Bill Processing Message-billed				
1 year period	\$0.1243	\$0.1243	8.2.1,G,7	
3 year period	ICB	ICB	8.2.1,G,7	
5 year period	ICB	ICB	8.2.1,G,7	
Bulk-billed				
1 year period	0.1243	0.1243	8.2.1,G,7	
3 year period	ICB	ICB	8.2.1,G,7	
5 year period	ICB	ICB	8.2.1,G,7	
Bulk-billed inquiry				
1 year period	#	#	8.2.1,G,7	
3 year period	#	#	8.2.1,G,7	
5 year period	#	#	8.2.1,G,7	
Additional Bill Processing				
Message-billed processing	0.1243	0.1243	8.2.1,G,8	
Message-billed inquiry	*	*	8.2.1,G,8	
Bulk-billed processing	0.1243	0.1243	8.2.1,G,8	
Bulk-billed inquiry	*	*	8.2.1,G,8	
(Continued)				
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# Included in the appropriate bulk-billed processing rate.  
 \* Included in the appropriate additional bill processing rate.

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ACCESS SERVICE			
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>			
Access Service	Rates		Tariff
	InterLATA	IntraLATA	Schedule Location Reference
Billing and Collection (Continued)			
Message Billing (Continued)			
Message-billed	*	*	8.2.1,G,9
Bulk-billed	*	*	8.2.1,G,10
End User Account Activity			
Special Order Charge	ICB	ICB	8.2.1,G,11
Establishment and Change	*	*	8.2.1,G,11
Rate Level Change Charge	*	*	8.2.1,G,11
Rate Structure Change Charge	ICB	ICB	8.2.1,G,11
Data Transmission	ICB	ICB	8.2.1,G,12
Credit Card Issuance			
Preparation	*	*	8.2.1,G,13
Distribution	ICB	ICB	8.2.1,G,13
Message Billing Special Order Charge	\$ 20.00	\$ 20.00	8.2.1,G,14
Retention of Records	ICB	ICB	8.2.1,G,15
* Included in the appropriate message-billed processing rate.			
(Continued)			
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ACCESS SERVICE			
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>			
Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Billing and Collection (Continued)			
Private Line Billing			
End User Account Activity			
Special Order	ICB	ICB	8.2.2,G,1
Establishment and Change	*	*	8.2.2,G,1
Rate Level Change Charge	*	*	8.2.2,G,1
Rate Structure Change Charge	ICB	ICB	8.2.2,G,1
Bill Rendering Charge	\$ 1.16	\$ 1.16	8.2.2,G,2
Program Development Charge			
Basic	ICB	ICB	8.2.2,G,3
Premium	ICB	ICB	8.2.2,G,3
Inquiry	*	*	8.2.2,G,4
Private Line Billing Special Order Charge	20.00	20.00	8.2.2,G,5
Retention of Records	ICB	ICB	8.2.2,G,6
* Included in the Bill rendering charge.			
(Continued)			
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ACCESS SERVICE			
<u>ACCESS TARIFF RATE ELEMENT SUMMARY</u>			
Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Billing and Collection (Continued)			
Billing Information (Continued)			
CRIS			
Paper Output	ICB	ICB	8.3.7,A
Magnetic Tape	ICB	ICB	8.3.7,A
Fiche Output	ICB	ICB	8.3.7,A
DBAS			
Paper Output	#	#	8.3.7,B
Magnetic Tape	#	#	8.3.7,B
Fiche Output	#	#	8.3.7,B
CRIS or DBAS Interrogation	#	#	8.3.7,C
Program Development			
Basic	ICB	ICB	8.3.7,D
Premium	ICB	ICB	8.3.7,D
CNA			
Interrogation	#	#	8.3.7,E
Interrogation Confirmation	#	#	8.3.7,E
Data Transmission	ICB	ICB	8.3.7,F
<p># Offered only where facilities are available. ICB rates and charges apply where service is offered.</p> <p style="text-align: center;">(Continued)</p>			
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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Billing and Collection (Continued)			
Billing Information (Continued)			
Making Message	ICB	ICB	8.3.7,G
Maintenance	ICB	ICB	8.3.7,G
Updating IC Data Bases or Files	ICB	ICB	8.3.7,H
Bill Information	ICB	ICB	8.3.7,I

(Continued)

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Miscellaneous Services	#	#	
Additional Engineering			
Basic Time	\$66.00	\$66.00	9.1.1,A
Overtime	73.41	73.41	9.1.1,B
Additional Labor			
Installation or Repair			
Overtime	29.31*	29.31*	9.2.6,A
Premium	32.42*	32.42*	9.2.6,A
Stand-By			
Basic Time	17.91	17.91	9.2.6,B
Overtime	21.01	21.01	9.2.6,B
Premium Time	24.02	24.02	9.2.6,B
Maintenance			
Basic Time			
Installation and Repair Technician	44.12	44.12	9.2.6,C
Central Office Repair Maintenance Tech.	17.91	17.91	9.2.6,C
Overtime			
Installation and Repair Technician	47.22*	47.22*	9.2.6,C
Central Office Repair Maintenance Tech.	21.01*	21.01*	9.2.6,C
Premium Time			
Installation and Repair Technician	50.33*	50.33*	9.2.6,C
Central Office Repair Maintenance Tech.	24.12*	24.12*	9.2.6,C
Presubscription			9.5,E,6

# Each half hour or fraction thereof.

\* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Miscellaneous Services (Continued)	#	#	
Protective Connecting Arrangements			
Automatic 2 or 4 wire	\$ 5.85	\$ 5.85	9.6
Automatic 4 wire - monthly	10.10	10.10	9.6
Nonrecurring	87.15	87.15	9.6
Answering devices	ICB	ICB	9.6
Answer/record devices - monthly	5.40	5.40	9.6
Nonrecurring	30.75	30.75	9.6
Answer only	ICB	ICB	9.6
Answer only w/voice control	ICB	ICB	9.6
Data on PBX trunks	ICB	ICB	9.6
CPE message registers	ICB	ICB	9.6
Alarm coupler	ICB	ICB	9.6
CPE to special recording trunk	ICB	ICB	9.6
Termination in centrex system			
Monthly	7.20	7.20	9.6
Nonrecurring	21.60	21.60	9.6
CPE voice transmission			
Monthly	9.40	9.40	9.6
Nonrecurring	7.80	7.80	9.6
3-wire interface	ICB	ICB	9.6
2-wire interface	ICB	ICB	9.6
Manual switchboard connection	ICB	ICB	9.6
Automatic 2-way attendant			
Monthly	10.45	10.45	9.6
Nonrecurring	39.05	39.05	9.6
Automatic 1-way in attendant	ICB	ICB	9.6
Automatic 1-way out attendant	ICB	ICB	9.6

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Additional Engineering, Labor and Misc. (Continued)			
Miscellaneous (Continued)			
Protective Connecting Arrangements (Continued)			
1-way outgoing from switch	ICB	ICB	9.6
1-way to and from attendant			
Monthly	\$7.80	\$7.80	9.6
Nonrecurring	39.05	39.05	9.6
Voice transmitting/receiving			
Monthly	9.40	9.40	9.6
Nonrecurring	7.80	7.80	9.6
1-way out dialing	ICB	ICB	9.6
Originate and/or answer	ICB	ICB	9.6
Controller Arrangement	100.00	100.00	9.7,A
Restoration Priority	104.02	104.02	9.8

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Miscellaneous Services (Continued)			
Voice Jacks:			
6 position miniature			
1 line flush mounted	\$ 10.00	\$ 10.00	9.9,A,1
1 line wall mounted	10.00	10.00	9.9,A,1
2 line flush mounted	10.00	10.00	9.9,A,1
1 line bridged 4-wire	10.00	10.00	9.9,A,1
2 line wall mounted	10.00	10.00	9.9,A,1
1 line hospital areas	10.00	10.00	9.9,A,1
1 line 9DB data	10.00	10.00	9.9,A,1
3 line	49.00	49.00	9.9,A,1
50 position miniature			
2 wire 12 line	160.00	160.00	9.9,A,2
4 wire 8 line	160.00	160.00	9.9,A,2
2 wire 8 line	160.00	160.00	9.9,A,2
4 wire 6 line	160.00	160.00	9.9,A,2
25 line	160.00	160.00	9.9,A,2
12 line	105.00	105.00	9.9,A,2
4 wire 12 line	100.00	100.00	9.9,A,2

# Each half hour or fraction thereof.

\* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

(Continued)

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**ACCESS SERVICE**

**ACCESS TARIFF RATE ELEMENT SUMMARY**

Access Service	Rates		Tariff Schedule Location Reference
	InterLATA	IntraLATA	
Miscellaneous Services (Continued)			
Voice Jacks (Continued)			
Series Jacks			
Single line alarm	\$ 66.00	\$ 66.00	9.9,A,3
Series ancillary	66.00	66.00	9.9,A,3
2 line telephone w/exclusion	66.00	66.00	9.9,A,3
Weatherproof Jack	120.00	120.00	9.9,A,3
Data Jacks			
Universal	65.00	65.00	9.9,B,1
Programmed	65.00	65.00	9.9,B,2
Multiple line	250.00	250.00	9.9,B,3
Circuit cards	79.00	79.00	9.9,B,3
Wall mounting	45.00	45.00	9.9,B,3
Rack mounting	28.00	28.00	9.9,B,3
Special Federal Government Offerings			
Voice Grade			
Type I	ICB	ICB	11.6.3,A
Additional Conditioning	ICB	ICB	11.6.3,A
Type II	ICB	ICB	11.6.3,A
Type III	ICB	ICB	11.6.3,A
Additional Conditioning	ICB	ICB	11.6.3,A
Type IV	ICB	ICB	11.6.3,A
Additional Conditioning	ICB	ICB	11.6.3,A
Wideband Digital			
Type I	ICB	ICB	11.6.3,B
Type II	ICB	ICB	11.6.3,B
Type III	ICB	ICB	11.6.3,B
(Continued)			

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**ACCESS SERVICE**

**1. Application of Tariff**

1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Issuing Carriers of this tariff, hereinafter referred to as the Telephone Company, to customers.

1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

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**ACCESS SERVICE**

**2. General Regulations**

**2.1 Undertaking of the Telephone Company**

**2.1.1 Scope**

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

**2.1.2 Limitations**

- (A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
  - (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

(Continued)

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**ACCESS SERVICE**

2. **General Regulations (Continued)**

2.1 **Undertaking of the Telephone Company (Continued)**

2.1.2 **Limitations (Continued)**

(A) (Continued)

- (2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All rates, regulations and conditions contained in this tariff shall apply to such assignee or transferee.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligation existing at the time of the assignment or transfer.

- (B) The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.
- (C) Subject to compliance with the rules mentioned in preceding, the services offered herein will be provided to customers on a first-come, first-served basis, except as outlined in (D) following.
- (D) When an end office is scheduled to be converted to an equal access end office, and a shortage of facilities exists, the Telephone Company will allocate available resources to participating ICs as set forth in 5.1.5(A) following.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.3 Liability**

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration, of service, and subject to the provisions of (B) through (H) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the IC or end user against any claim, loss or damage arising from the IC or end user's use of services offered under this tariff, involving:
  - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC or end user's own communications.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.3 Liability (Continued)**

(D) (Continued)

(2) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone company in connection with facilities or equipment furnished by the IC or end user or;

(3) All other claims arising out of any act or omission of the IC or end user in the course of using services provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.

(F) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff.

(G) The Telephone Company will defend the customer against claims for patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

(H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for Service Interruption as set forth in 2.4.4 following.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.4 Provision of Services**

The Telephone Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Telephone Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this tariff at rates and charges specified therein.

**2.1.5 Installation and Termination of Services**

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a location at the customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. The Telephone Company will work cooperatively with the customer to determine the location of the Point of Termination in accordance with the Telephone Company's standard operating procedures.

Each Access Service has only one Point of Termination per customer premises. Any additional terminations beyond such Point of Termination are the sole responsibility of the customer. Moves of the Point of Termination are handled as set forth in Section 6 and 7.2.1 (D)(3) following.

(T)

**2.1.6 Maintenance of Services**

The services provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

(Continued)

<p>Issued: May 7, 2012</p>	<p>Issued by</p>	
<p>Effective:</p>		<p>Vice President                  Government and Regulatory Affairs</p>
<p>Advice No. NV-12-03</p>		

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Canceling 1st Revised P.U.C.N. Sheet No. 59  
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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.7 Changes, Substitutions and Rearrangements**

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business;

(A) Substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to;

- (1) substitution of different metallic facilities,
- (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities, and
- (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities; and
- (4) change in the routing of access service traffic.

(B) Change minimum protection criteria;

(C) Change operating or maintenance characteristics of facilities or,

(D) Change operations or procedures of the Telephone Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Section 6, 7 and 10 following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

(T)

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.8 Refusal and Discontinuance of Service**

Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with the regulations set forthin: 2.1.6; Maintenance of Service, 2.2.2; Unlawful Use, 2.3.1; Damages, 2.3.4; Availability for Testing, 2.3.5; Balance, and 2.4; Payment Arrangements and Credit Allowances, or fails to make any payment to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of noncompliance:

- (a) Refuse additional applications for service and/or refuse to complete any pending orders for service by the non-complying customer; and/or
- (b) Discontinue the provision of the services to the noncomplying customer. In the case of such discontinuance, all applicable charges including termination charges shall become due.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days notice given pursuant to (a) above, or does not discontinue its provision of services involved on the date specified in the thirty (30) day notice given pursuant to (b) above and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the noncomplying customer without further notice.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.1 Undertaking of the Telephone Company (Continued)**

**2.1.9 Limitation of Use of Metallic Facilities**

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

**2.1.10 Notification of Service-Affecting Activities**

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service-affecting activities. The Telephone Company will work cooperatively with the customer to determine the notification requirements.

**2.1.11 Coordination with Respect to Network Contingencies**

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

**2.1.12 Provision and Ownership of Telephone Numbers**

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer 6 months notice, by Certified U.S. Mail, of the effective date and an explanation of the reason(s) for such change(s).

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.2 Use**

**2.2.1 Interference or Impairment**

(A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.

(B) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R Section 68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

**2.2.2 Unlawful Use**

The service provided under this tariff shall not be used for an unlawful purpose.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.3 Obligations to the Customer**

**2.3.1 Damages**

The customer shall reimburse the Telephone Company for damages to Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

**2.3.2 Ownership of Facilities and Theft**

Facilities utilized by the Telephone Company to provide service under the provisions of this tariff shall remain the property of the Telephone Company. Such facilities shall be returned to the Telephone Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

**2.3.3 Equipment Space and Power**

The customer shall furnish or arrange to have furnished to the Telephone Company, at no charge, equipment space and electrical power required by the Telephone Company to provide services under this tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such spaces at reasonable times for installing, testing, repairing or removing Telephone Company services.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.3 Obligations to the Customer (Continued)**

**2.3.4 Availability for Testing**

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

**2.3.5 Balance**

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloh-Loop (Alarm System) type signaling and dc telegraph transmission at speeds of 75 baud or less.

**2.3.6 Design of Customer Services**

Subject to the provisions of 2.1.7 preceding, the customer shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Telephone Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

**2.3.7 References to the Telephone Company**

The customer may advise End Users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to End Users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.3 Obligations to the Customer (Continued)**

**2.3.8 Claims and Demands for Damages**

- (A) With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this tariff, any circuit, apparatus, system or method provided by the customer.
- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees.
- (C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.3 Obligations to the Customer (Continued)**

**2.3.9 Coordination with Respect to Network Contingencies**

The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

**2.3.10 Sectionalization and Trouble Reporting**

The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone Company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

(M)

**2.3.11 Identification and Rating of VoIP-PSTN Traffic**

(A) Scope

- (1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

(M)  
(N)

(M) Item 2.4.1 Relocated to Sheet No. 67.

(Continued)

(N)

<p>Issued: December 12, 2011                  Effective: January 30, 2012                  Advice No. NV-11-10</p>	<p>Issued by                  Vice President                  Government and Regulatory Affairs</p>	
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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (T)

2.4.1 Payment of Rates, Charges and Deposits (T)

(A) Deposits (T)

The Telephone Company will, in order to safeguard its interests, only require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of a service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. Such deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded. (M)

Such a deposit will be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive simple interest at a rate of 6%. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

(B) Payment of Rates and Charges

The Telephone Company shall bill on a current basis all charges incurred by and credits due to the customer under this tariff attributable to services established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

(M) Material relocated from Sheet No. 66. (N)

(Continued)

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.1 Payment of Rates, Charges and Deposits (Continued)**

**(B) Payment of Rates and Charges (Continued)**

- (1) For Presubscription Service, the Telephone Company will establish a bill day each month for each end user account. Any applicable Presubscription Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for Presubscription Service will be applied to this bill. Such bills are due when rendered.
- (2) For Switched Access Service, Special Access Service, and Miscellaneous Service charges, the Telephone Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in (3) following. If payment is not received by the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (C) following.
- (3) All bills dated as set forth in (2) preceding for service, provided to the customer by the Telephone Company are due 31 days (payment date) after the bill date or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the first Tuesday in November and the day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

2.4.1 Payment of Rates, Charges and Deposits (Continued)

(B) Payment of Rates and Charges (Continued)

(3) (Continued)

If such payment date falls on Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

(C) Late Payment Penalty

If any portion of the payment is received by the Telephone Company after the payment date as set forth in (B)(3) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company in addition to the outstanding amount. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late factor shall be the lessor of:

- (1) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company, or
- (2) 0.000590 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.1 Payment of Rates, Charges and Deposits (Continued)**

**(D) Billing Disputes**

In the event that a billing dispute occurs concerning any charges billed to the customer by the Telephone Company the following regulations will apply.

- (1) The date of the dispute shall be the date on which the customer furnishes the Telephone Company sufficient documentation to investigate the claim. Documentation must include, at the minimum, the account number under which the bill has been rendered, the date of the bill, the specific items on the bill being disputed, and, when possible, the applicable tariff section upon which the dispute is predicated.
- (2) The date of resolution shall be the date on which the Telephone Company completes its investigation of the dispute, notifies the customer of the disposition and applies a credit for the amount of the dispute resolved in the customer's favor or late payment penalty as appropriate. The Telephone Company will work cooperatively with any customer to resolve billing disputes.
- (3) If a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty as set forth in (C) preceding.
- (4) If a billing dispute is resolved in favor of the customer and the customer pays the total billed amount on or before the payment date, the Telephone Company will refund any over-payment and will apply a credit for a disputed amount penalty as set forth in (a) and (b) following.
  - (a) If a customer disputes a bill within ninety (90) days of the bill date and pays the total billed amount on or before the payment date, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the payment date and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor as set forth in (5) following.

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**ACCESS SERVICE**

2. **General Regulations (Continued)**

2.4 **Payment Arrangements and Credit Allowances (Continued)**

2.4.1 **Payment of Rates, Charges and Deposits (Continued)**

(D) **Billing Disputes (Continued)**

(4) **(Continued)**

(b) If a customer disputes a bill after ninety (90) days from the bill date and pays the total billed amount on or before the payment date and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of claim and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor as set forth in (5) following.

(5) The disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor. The penalty factor shall be the lesser of

(a) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the first date to and including the last date of the period involved, or (T)

(b) 0.000590 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.

(E) **Billing Adjustments and Rounding**

Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30-day month. When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

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**ACCESS SERVICE**

2. **General Regulations (Continued)**

2.4 **Payment Arrangements and Credit Allowances (Continued)**

2.4.1 **Payment of Rates, Charges and Deposits (Continued)**

(F) **Provision of Access Service Billing and Bill Verification**

- (1) The Telephone Company will, upon reasonable request and if available, furnish such detailed information as may be required for verification of any bill.
- (2) The customer will receive its monthly bills in a standard paper format, or, at the customer's option, on magnetic tape in standard industry format for those access services for which the Telephone Company is technically capable of providing magnetic tape billing. Additional copies of the customer's bill may be provided in standard paper format at the rates and charges set forth in (3) following. When the customer requests a paper copy of the customer's bill in addition to the customer bill provided on magnetic tape, the rate set forth in (3) following shall apply per page.
- (3) Additional copies of the customer's monthly bill or service and features record in standard paper format, per page Rate  
\$0.07

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.4 Credit Allowance for Service Interruption**

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in Section 6. An interruption period starts when an inoperative service is reported to, or discovered by, the Telephone Company designated trouble reporting office and ends when the service is operative. The customer is responsible for sectionalizing trouble to the Telephone Company facilities and/or equipment as set forth in 2.3.10 preceding.

(T)

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be calculated as set forth in (B) and (C) following. Interruptions for which no credit allowance applies are set forth in (D) following.

The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate and minimum monthly usage charge for the service interrupted in any one monthly billing period. For purposes of this section of the tariff, "major fraction" is defined as that time period representing one-half or more of the incremental time period used to apply the credit allowance for those specific services listed in (B) following.

Service interruptions for Specialized Service or Arrangements provided under the provisions of 12. following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

(B) Special Access Services

(1) For Special Access Services other than Program Audio and Video Services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

2.4.4 Credit Allowance for Service Interruptions (Continued)

(B) Special Access Services (Continued)

(1) (Continued)

The monthly charges used to determine the credit shall be as follows:

- (a) For two point services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with the service (i.e., two circuit terminations, circuit mileage and optional features and functions).
- (b) For multipoint services, the monthly charge subject to credit shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a circuit termination per customer premises, circuit mileage and optional features and functions).
- (c) For multiplexed services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the circuit termination, circuit mileage and optional features and functions, including the multiplexer on the facility to the hub, and the circuit terminations, circuit mileage and optional features and functions on the individual services from the hub). When the service which rides a circuit of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., circuit termination, circuit mileage and optional features and functions).

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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

2.4.4 Credit Allowance for Service Interruptions (Continued)

(D) When a Credit Allowance Does Not Apply (Continued)

- (5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in Section 15, SPECIAL CONSTRUCTION. The period for which no credit allowance is made begins on the seventh day after the customer receives the Telephone Company's written notification of the need for such replacement and ends on the day after receipt by the Telephone Company of the customer's written authorization for such replacement.
- (6) Periods when the customer elects not to release the service of testing and/or repair and continues to use it on an impaired basis.
- (7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

(E) Use of an Alternative Service Provided by the Telephone Company

Should the customer elect to use an alternative service provided by the Telephone Company during the period that a service is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(F) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Telephone Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/1440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence

(A) Nonrecurring Charges Do Not Apply

Charges do not apply for the re-establishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

- (1) The service is of the same type as was provided prior to the fire, flood or other occurrence.
- (2) The service is for the same customer.
- (3) The service is at the same location on the same premises.
- (4) The re-establishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period).

(B) Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.7 Access Services Provided by More Than One Telephone Company**

The Telephone Company will perform the rating and billing of Access Services under this tariff where more than one Telephone Company is involved in the provision of Access Service as set forth in (A), (B), or (C) following. The Single Company Billing arrangement as set forth in (A) following will be used for FGA and FGB Switched Access Services except where interconnection arrangements between the telephone companies involved permit the use of the Multiple Company billing arrangement as set forth in (B) following. The Telephone Company will notify the customer of the billing arrangement when the customer orders FGA or FGB service. The Multiple Company Billing arrangements, as set forth in (B) following, will be used for all FGC, FGD, and 800 Access Switched Access Services and Special Access Services.

**(A) Single Company Billing**

The Telephone Company receiving the order from the customer as specified in 5.2(A) following will arrange to provide the service, determine the applicable charges, and bill the customer for the entire service in accordance with its Access Services tariff.

**(B) Multiple Company Billing**

**(1)** For access services subject to Multiple Company Billing, the customer will be billed in accordance with the Exchange Carriers Standards Association's Multiple Exchange Carrier Access Billing Guidelines (MECAB) and Multiple Exchange Carrier Ordering and Design Guidelines (MECOD). One of the following methods will be used:

- Single Bill - The customer will receive a single bill for all access services provided by multiple Telephone Companies. The single bill will include all rate elements applicable to the access service(s) provided under one billing account.
- Multiple Bill - The customer will receive a bill from each Telephone Company providing the access service(s). Multiple bills will include all charges applicable to the individual portion of the access service(s) provided by each Telephone Company. Such bills will include cross-references to the other Telephone Company Service(s) and common circuit identifiers in accordance with the MECAB Guidelines.

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**ACCESS SERVICE**

2. **General Regulations (Continued)**

2.4 **Payment Arrangements and Credit Allowances (Continued)**

2.4.7 **Access Services Provided By More Than One Telephone (Continued)**

(B) **Multiple Company Billing (Continued)**

The choice of billing method shall be determined by the Telephone Companies involved. The Telephone Company will notify the customer which method applies when the customer orders access service and will provide the customer thirty days' notice in the event that the billing method is changed.

(2) For Switched Access Services, the Telephone Company will determine the applicable charges as follows:

- (a) Determine the distance in airline miles using the V&H method set forth in Exchange Carrier Association Tariff FCC No. 4, between the Telephone Company's end office switch and the customer's serving wire center.
- (b) The airline distance in miles developed in (a) preceding will be multiplied by the Local Transport Mileage rate times the number of access minutes of use times the billing percentage to determine the appropriate Local Transport Mileage charges. The billing percentage is that portion of local transport to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in Exchange Carrier Association Tariff FCC NO. 4.
- (c) The total Local Transport charge shall be the Local Transport Mileage charge as determined in (b) preceding plus the Local Transport Circuit Connection rate times the number of access minutes of use. The Circuit Connection rate applies only at the Telephone Company end office.
- (d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.7 Access Services Provided By More Than One Telephone Company (Continued)**

**(B) Multiple Company Billing (Continued)**

(3) For Special Access Services, the Telephone Company will determine the applicable charges as follows:

- (a) Determine the distance in airline miles using the V&H method set forth in EXCHANGE CARRIER ASSOCIATION TARIFF NO. 4 between the locations involved; i.e., the serving wire centers associated with two customer-designated premises, a serving wire center associated with a customer-designated premises and a Telephone Company hub, or two Telephone Company hubs.
- (b) The airline distance in miles developed in (a) preceding will be multiplied by the Circuit Mileage - Per Mile rate element times the billing percentage to determine the appropriate Circuit Mileage-Per Mile charges. The billing percentage is that portion of circuit mileage to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in EXCHANGE CARRIER ASSOCIATION TARIFF FCC NO. 4.
- (c) The total Circuit Mileage charges shall be the Circuit Mileage Per-Mile charge determined in (b) preceding plus the Circuit Mileage-Fixed charge.
- (d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable.

**(C) EAS and Access Tandem Arrangements**

Where a customer utilizes FGA and/or FGB Switched Access Services to originate or terminate calls within an Extended Area Service (EAS) calling area or access tandem network provided by more than one telephone company, the Telephone Company may apply additional Switched Access Service charges as set forth in (1) and (2) following, provided the following criteria are met:

- the telephone companies involved are not the same Telephone Company and do not provide service under the same Access Service tariff,
- The telephone companies do not have a revenue sharing arrangement where one telephone Company bills the total cost of access which includes the other telephone company's cost of access,

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.7 Access Services Provided By More Than One Telephone Company (Continued)**

(C) EAS and Access Tandem Arrangements (Continued)

- The telephone companies involved do not bill Switched Access charges in accordance with the Multiple Company Billing Arrangement for subtending end offices of an access tandem as set forth in (B) preceding.

(1) For FGA usage which originates or terminates at a Telephone Company end office within an EAS calling area where the first point of switching (dial tone office) is provided by a different telephone company, the Telephone Company will apply Local Transport Mileage and Circuit Connection rates to originating access minutes, and End Office rates to originating and terminating access minutes as set forth in Section 6. The mileage used to determine the Local Transport Mileage charges will be based on the airline distance between the end office where the call originates and the dial tone office where the FGA service is provided. Such Switched Access charges will be in addition to those charges assessed by the telephone company in whose exchange the first point of switching (dial tone office) is located. Such usage will be determined as set forth in (3) following. (T)

(2) For FGB usage which originates or terminates at a Telephone Company end office which subtends an access tandem provided a different telephone company where the FGB service is provided, the Telephone Company will apply End Office and Local Transport Circuit Connection Rates as set forth in Section 6 for all originating and terminating access minutes routed via the access tandem. Such usage will be determined as set forth in (3) following. (T)

(3) FGA or FGB usage originating or terminating at Telephone Company end offices in EAS or access tandem arrangements shall be determined as follows:

(a) Where end office specific usage data are available, such data will be used to determine the charges.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.4 Payment Arrangements and Credit Allowances (Continued)**

**2.4.7 Access Services Provided By More Than One Telephone Company (Continued)**

(C) EAS and Access Tandem Arrangements (Continued)

(3) (Continued)

(b) Where end office specific usage data are not available, the total originating and/or terminating usage will be the measured usage or assumed usage at the first point of switching (i.e., dial tone office for FGA or access tandem for FGB). Originating and/or terminating usage will be determined based upon the ratios of the total number of subscriber lines in the Telephone Company exchange to the total number of subscriber lines in the EAS calling area or access tandem network. These ratios will be applied to the total number of originating and/or terminating access minutes to determine the access minutes for the Telephone Company exchange.

(4) The ratio used to calculate the access minutes as set forth in (3) preceding will be determined by the telephone company and provided to the customer upon request.

**2.5 Connections**

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1 preceding.

**2.6 Definitions**

Certain terms used herein are defined as follows:

Access Area

The term "Access Area" denotes a specific calling area serviced by one or more central offices associated with the various Switched Access Services offered under this tariff. The size and configuration of the access area a customer obtains is dependent upon the Feature Group type and the specific characteristics of the Central Office or Access Tandem Network in which the connection is made.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Access Code

The term "Access Code" denotes a uniform seven-digit code dialed by an end user to access an Interexchange Carrier's facilities. The seven-digit FGD code has the form 101XXXX and the seven-digit FGB code has the form 950-XXXX or 1+950-XXXX.

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in intrastate or foreign service for the purpose of calculating chargeable usage. On the originating end of an intrastate or foreign call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a concentration and distribution function for originating and/or terminating traffic between end offices and a customer's premises.

Access Tandem Network

The term "Access Tandem Network" denotes the network of trunk groups that provide a concentration and distribution function for originating and/or terminating Switched Access traffic between a single access tandem and Telephone Company subtending end offices.

Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's point of termination as an indication that the called party has answered or disconnected.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss of 1004 Hz, unless otherwise specified.

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, contact the issuing officer at the address shown on Title Page 1.

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 A.M. to 11:00 P.M. period for the Switched Access Arrangement ordered. This customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths or facility requirements for the Switched Access Arrangement ordered.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Channel Service Unit

The term "Channel Service Unit" denotes customer premises equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

Channelize

The term "Channelize" denotes the process of multiplexing-demulti-plexing wider bandwidth or higher speed channels into narrow band-width or lower speed channels.

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-Notched Noise

The term "C-Notched Noise" denotes the C-message frequency weighed noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

Coin Station

The term "Coin Station" denotes a location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephone communications and pay the applicable charges by inserting coins into the equipment.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Effective 2-Wire

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Effective 4-Wire

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

End Office Switch

The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Included may be Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

End User

The term "End User" denotes any customer of intrastate or foreign telecommunications service that is not a carrier, except that a carrier shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, without making such service available to others, directly or indirectly.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area

The term "Local Access and Transport Area" (LATA) denotes a geographic area established by the Telephone Company for the provision and administration of its communications service. It encompasses one or more Telephone Company designated exchanges which are configured in relative proximity to one another and may be reconfigured by the Telephone Company in the normal operation of its business. As used herein, the term LATA refers only to these Telephone Company designated exchanges and does not necessarily have any predetermined association with the term LATA used by other exchange carriers.

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Loss Deviation

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

Message

The term "Message" denotes a "call" as defined preceding.

Milliwatt (102 Type) Test Line

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Registered Equipment

The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the FCC's Rules and Regulations.

Serving Wire Center

That Telephone Company designated wire center serving the customer's designated premises and used for mileage measurement to determine local transport or circuit mileage charges for Access Service.

Seven Digit Manual Test Line

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Shortage of Facilities or Equipment

The term "Shortage of Facilities or Equipment" denotes a condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or, multiplexing equipment, etc., necessary to provide the Access service requested by the customer.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

Signal-to-C-Notched Noise Ratio

The Term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

Singing Return Loss

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

Special Order

The term "Special Order" denotes an order for a Billing and Collection Service.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Subtending End Office of an Access Tandem

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

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**ACCESS SERVICE**

**2. General Regulations (Continued)**

**2.6 Definitions (Continued)**

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate to a two-wire entity (e.g., a central office switch).

Uniform Service Order Code

The term "Uniform Service Order Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Telephone Company billing system to generate recurring rates and nonrecurring charges.

V&H Coordinates

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

WATS Service Office

The term "WATS Serving Office" denotes a Telephone Company switching office capable of performing the optional screening functions used in Combined Access Service Arrangements.

Wire Center

The term "Wire Center" denotes a building in which one or more central offices, including end office switches, used for the provision of Telephone Exchange Services, are located.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service**

The Telephone Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers.

**3.1 General Description**

Carrier Common Line Access provides for the use of Telephone Company common lines by customers for access to end users to furnish Intrastate Communications.

Carrier Common Line Access is provided where the customer obtains Telephone Company Switched Access Service under this tariff.

Premium Access is (1) Switched Access Service provided to ICs under this tariff which furnish intrastate MTS/WATS, and (2) Switched Access Service in an end office converted to equal access (3) All terminating minutes of use.

Non-premium Access is originating Switched Access Service provided in an end office not yet converted to equal access and to customers that do not furnish intrastate MTS/WATS.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.2 Limitations**

- (A) A telephone number is not provided with Carrier Common Line Access.
- (B) Detail billing is not provided for Carrier Common Line Access.
- (C) Directory listings are not included in the rates and charges for Carrier Common Line Access.
- (D) Intercept arrangements are not included in the rates and charges for Carrier Common Line Access.
- (E) All line side connections provided in the same access group will be limited to the same features and operating characteristics.
- (F) All trunk side connections provided in the same access group will be limited to the same features and operating characteristics.
- (G) Where WATS Access Service is provided which terminates at a WATS Serving Office, minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-type services and terminating minutes for inward WATS and WATS-type services) shall not be assessed Carrier Common Line Access per minute charges with the following exception:
  - (1) Carrier Common Line Access per minute charges shall apply when Feature Group A or Feature Group B switched access is ordered from a non-equal access telephone company office that does not have measurement capabilities and the assumed average access minutes, as set forth in Section 6.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.3 Undertaking of the Telephone Company**

(A) Where the customer is provided with Switched Access Service under other sections of this tariff, the Telephone Company will provide the use of Telephone Company common lines by a customer for access to end users at rates and charges as set forth in 3.8 following.

(B) Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access charges have been assessed, the customer may, at the option of the customer, obtain Feature Group A, Feature Group B or Feature Group D Switched Access Service under this tariff as set forth in Section 6 for originating and/or terminating access in the local exchange. Such access group arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have Carrier Common Line Access Charges applied as set forth in 3.8. (T)

Resold intrastate inward MTS and MTS-type service(s) shall include collect calls, third number calls and credit card calls where the reseller pays the underlying carrier's service charges; and shall not include interstate minutes of use.

Resold intrastate outward MTS and MTS-type service(s) shall not include collect, third number, credit card or interstate minutes of use.

(C) When access to the local exchange is required to provide a customer service (e.g., MTS/WATS-type, telex, Data, etc.) that uses a resold Private Line Service, Switched Access Service Rates and Regulations, as set forth in Section 6 will apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates and charges as set forth in 3.8 following in accordance with the regulations as set forth in 3.7(E) following. (T)

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.3 Undertaking of the Telephone Company – (Continued)**

(D) The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications and the Carrier Common Line Access rates and charges as set forth in 3.8 following apply in accordance with the regulations as set forth in 3.7 (E) following.

(E) When the IC is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid telephone access as set forth in Section 6, the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the IC as set forth in 3.6 following. The Telephone Company will provide message call detail format and bill periods used to determine the monies upon request from the IC. (T)

**3.4 Obligations of the Customer**

(A) The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other sections of this tariff.

(B) The customer facilities at the premises of ordering customer shall provide the necessary on-hook and off-hook supervision.

(C) Unless the customer reports (1) intrastate use as set forth in (D) following or (2) Feature Group A, B or D Switched Access Service as set forth in (F) following, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access charges.

(D) When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for intrastate will be determined as set forth in 3.7 (E) following.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.4 Obligations of the Customer (Continued)**

- (E) Where Feature Group C end office switching is provided without Telephone Company recording and the IC records minutes of use which will be used to determine Carrier Common Line Access charges (i.e., Feature Group C operator and TSPS calls such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls), the IC shall furnish such minutes of use detail to the Telephone Company in a timely manner. If the IC does not furnish the data to the Telephone Company, the IC shall identify all Switched Access Services which could carry such calls in order for the billing entity to accumulate the minutes of use through the use of special Telephone Company measuring and recording equipment.
  
- (F) When the customer is reselling MTS and/or MTS-type service as set forth in 3.3(B) preceding, the customer will be charged the Carrier Common Line Access charges in accordance with the regulations as set forth in 3.7(D) following if the customer or the provider of the MTS service furnishes documentation of the MTS usage and/or the customer furnishes documentation of the MTS-type usage. Such documentation supplied by the customer shall be supplied each month and shall identify the involved resold MTS and/or MTS-type services. The monthly period used to determine the minutes of use for resold MTS and/or MTS-type service(s) shall be the most recent monthly period for which the customer has received a bill for such resold MTS and/or MTS-type service(s). This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than 15 days after the bill date shown on the resold MTS and/or MTS-type service bill. If the required information is not received by the Telephone Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.4 Obligations of the Customer (Continued)**

- (G) When the customer orders Switched Access Service as set forth in (F) preceding, the Telephone Company or the billing entity may request when resold MTS is involved, a certified copy of the customer's MTS usage billing from either the customer or the provider of the MTS Service and/or when resold MTS-type service is involved, a certified copy of the customer's MTS-type usage billing from either the customer or the provider of the MTS-type service. The requests for this billing will relate back no more than 12 months prior to the current billing period.
  
- (H) Where Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access is provided to the IC and the IC wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the IC shall furnish to the Telephone Company, at a location specified by the Telephone Company, the IC message call detail for the IC sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The IC message call detail furnished shall be in a standard format established by the Telephone Company. If no IC message call detail is received from the IC for each bill period established by the Telephone Company, the Telephone Company will assume there were no IC sent-paid (coin) pay telephone calls for the period. In addition the IC shall furnish a schedule of its charges for sent-paid (coin) calls to the Telephone at a location and date as specified by the Telephone Company. Any change in the IC's schedule of charges shall be furnished to the Telephone Company one day after the change becomes effective.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.5 Payment Arrangements**

(A) The Telephone Company will bill the Carrier Common Line Access. The bill day (i.e., the billing date of the bill) in a month for each customer account will be established by the Telephone Company. Payment is due from the customer 31 days after the bill day date (payment date) or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, and is payable in immediately available funds. If such payment date is a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November, and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment will be due from the customer as follows:

If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

(B) Further, if any portion of the Carrier Common Line Access payment is received by the Telephone Company after the payment date as set forth in the (A) preceding, or if any portion of the Carrier Common Line Access payment is received by the Telephone Company in funds which are not immediately available, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the Carrier Common Line Access payment not received by the payment date times a late factor. The late factor shall be the lesser of:

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.5 Payment Arrangements**

(B) (Continued)

- (1) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Exchange Carrier Association, or
- (2) 0.000590 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Exchange Carrier Association.

(C) In the event a billing dispute concerning a month's Carrier Common Line Access billed to the customer by the Telephone Company is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in (B) preceding. If the customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment date, any late payment charge for the disputed amount will not start until 10 days after the payment date. If the billing dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In addition, if the customer disputes the billed amount and pays the total amount (i.e., the non-disputed amount and the disputed amount) on or before the payment date and the billing dispute is resolved in the favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company if the billing dispute is not resolved within 10 working days following the payment date or the date the customer furnishes to the Telephone Company documentation to support its claim plus 10 working days, whichever date is the later date. The disputed amount penalty shall be the disputed amount resolved in the customer's favor times a penalty factor.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.6 Payment of Coin Sent-Paid Monies**

The Telephone Company will collect the monies from coin pay telephone stations and will determine and remit amounts due to an IC which is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in 6. as follows:

(A) Bill Period Coin Revenue

The Telephone Company will establish a collection schedule for each coin pay telephone station and will collect the monies from the coin pay stations based on this collection schedule. The monies collected based on this schedule during each bill period established by the Telephone Company will be identified by coin pay telephone station and summed to develop the Bill Period Coin Revenue for each coin record day (i.e., the day a record is prepared and dated to show the amount due the IC).

(B) Total IC Coin Revenue

The intrastate Total IC Coin Revenue will be determined by the Telephone Company based on the customer message call detail received from the customer for each bill period and the IC's schedule of charges for sent-paid coin calls. Such Total Customer Coin Revenue will be developed each coin record day.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.6 Payment of Coin Sent-Paid Monies (Continued)**

(C) Recourse Adjustments

For each coin record day, the Telephone Company will subtract from the Total IC Coin Revenue an amount for coin station shortages. Coin station shortages are amounts resulting from unauthorized calling at coin pay telephone stations, use of unauthorized coins (i.e., foreign coins, slugs and improper use of U.S. pennies), unauthorized removal of coins from coin pay telephone stations and coin refunds beyond the Telephone Company's control. Such amount for coin station shortages will be developed by the Telephone Company by multiplying the Total IC Coin Revenue for each coin record day by a shortage factor. Such amount will be rounded to the nearest penny. The shortage factor will be determined by dividing the yearly total coin shortage amount by the yearly total coin revenue amount (i.e., total coin revenue equals the coin revenue due under exchange tariffs, state toll tariffs, and interstate toll tariffs). The total coin shortage amount and the total revenue amount will be determined by the Telephone Company through an annual special study.

(D) Payment of Net IC Coin Revenue

The Telephone Company will determine the Net IC Coin Revenue for each coin record day by subtracting from the Total IC Coin Revenue determined as set forth in (B) preceding the amount for coin station shortages determined as set forth in (C) preceding. On the date (payment date) determined by adding 45 days to the coin record day, the Telephone Company will remit payment to the IC for the Net IC Coin Revenue.

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**3. Carrier Common Line Access Service (Continued)**

**3.6 Payment of Coin Sent-Paid Monies (Continued)**

(E) Audit Provisions

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the amount payable to the customer. Adjustment shall be made by the property party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

**3.7 Rate Regulations**

(A) The Transitional Charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in (E) following, except as set forth in (D) and (F) following.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

- (B) When access minutes are used to determine the Transitional Charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in (C) following and Feature Group C operator and TSPS call detail such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the customer. The Telephone Company measuring and recording equipment except as set forth in (C) following will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed on a line by line basis, by line group or by end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.
  
- (C) When Carrier Common Line Access is provided in association with Feature Group A or Feature Group B Switched Access Service in Telephone Company offices that are not equipped for measurement capabilities, an assumed average intrastate access minutes will be used to determine the Transitional Charges. These assumed access minutes are as set forth in Section 6. (T)
  
- (D) When the customer is provided an access group to be used in conjunction with the resale of MTS and/or MTS-type services as set forth in 3.3(B) preceding, subject to the limitations of Carrier Common Line as set forth in 3.2 preceding, and the billing entity receives the usage information required to calculate the proration of Carrier Common Line as set forth in 3.4(F) preceding, the customer will be billed as set forth in (1), (2) or (3) following.

When the customer is provided with more than one access group in a LATA in association with the resale of MTS and/or MTS-type services, the resold minutes of use will be apportioned as follows:

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(D) (Continued)

The billing entity will apportion the resold outward MTS and/or MTS-type services and originating minutes of use for which resale credit applies, among the access groups. Such apportionment will be based on the relationship of the originating usage for each access group to the total originating usage for all access groups in the LATA. For purposes of administering this provision:

Resold outward MTS and/or MTS-type services minutes shall be only those attributable to intrastate outward MTS and/or MTS-type minutes and shall not include collect, third number, credit card or interstate minutes of use.

The resale credit shall apply for resold outward MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

The billing entity will apportion the resold inward MTS and/or MTS-type services and terminating minutes of use for which resale credit applies, among the access groups. Such apportionment will be based on the relationship of the terminating usage for each access group to the total terminating usage for all access groups in the LATA. For purposes of administering this provision:

Resold inward MTS and/or MTS-type services minutes shall be only those attributable to intrastate inward MTS/MTS-type (i.e., collect calls, third number calls, and credit card calls) and shall not include interstate minutes of use or MTS/MTS-type minutes of use paid for by another party.

The resale credit shall apply for resold inward MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(D) (Continued)

In order for the rate regulations to apply as set forth in (1), (2) or (3) following, the access groups and the resold MTS and/or MTS-type services must be provided in the same state (except when the same extended area service arrangement is provided in two different states by the same telephone company) in the same exchange, provided by the same telephone company and connected directly or indirectly. For those exchanges that encompass more than one state, the customer shall report the information by state within the exchange.

Each of the access group arrangements used by the customer in association with the resold MTS and/or MTS-type services must be connected either directly or indirectly to the customer designated premises at which the resold MTS and/or MTS-type services are terminated. Direct connections are those arrangements where the access groups and resold MTS and/or MTS-type services are terminated at the same customer designated premises.

Indirect outward connections are those arrangements where the access groups and the resold outward MTS and/or MTS-type services are terminated at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from access groups to resold MTS and/or MTS-type services.

Indirect inward connections are those arrangements where the access groups and resold inward MTS and/or MTS-type services are terminated at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from resold inward MTS and/or MTS-type services to access groups.

The adjustments as set forth following will be computed separately for each access group.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(D) (Continued)

(1) Access Groups - Non-Equal Access Offices Only

When all the usage on an access group originates from and/or terminates at end offices that have not been converted to equal access the Non-premium Access Charge per minute as set forth in 3.8 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted terminating intrastate access minutes plus the adjusted originating intrastate access minutes for such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type service minutes of use as set forth in 3.7(D) preceding; but not less than zero. The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type service minutes of use as set forth in 3.7(D) preceding; but not less than zero.

(2) Access Groups - Equal Access Offices Only

When all the usage on an access group originates from and/or terminates at end offices that have been converted to equal access the Premium Access Charge per minute as set forth in 3.8 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted terminating intrastate access minutes and the adjusted originating intrastate access minutes for such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type service minutes of use as set forth in 3.7(D) preceding; but not less than zero. The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type service minutes of use; but not less than zero.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(D) (Continued)

(3) Access Groups - Non-Equal Access and Equal Access Offices

When an access group has usage that originates from and/or terminates at both end offices that have been converted to equal access and end offices that have not been converted, both transitional premium and non-premium per minute charge as set forth in 3.8 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted terminating intrastate access minutes plus the adjusted originating intrastate access minutes for such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type service minutes of use as set forth in 3.7(D) preceding; but not less than zero. The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type service minutes of use as set forth in 3.7(D) preceding; but not less than zero.

The adjusted originating access minutes and the adjusted terminating access minutes will be apportioned between premium and non-premium access minutes using end-office specific usage data when available. The premium and non-premium per minute charges set forth in 3.8 following will apply as appropriate to the premium and non-premium access minutes determined in this manner.

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**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(D) (Continued)

- (4) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the usage report is obtained.
- (5) When the MTS and/or MTS-type usage is shown in hours, the number of hours shall be multiplied by 60 to develop the associated MTS and/or MTS-type minutes of use. If the MTS and/or MTS-type usage is shown in a unit that does not show hours or minutes, the customer shall provide a factor to convert the shown units to minutes.
- (6) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account after making the adjustments to the customer account as set forth in (E) following.

(E) When the customer reports interstate and intrastate use of in-service Switched Access Service, the Carrier Common Line Access Transitional Charges will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in 2.3.10 preceding. The intrastate Switched Access Service access minutes will, after adjustment as set forth in (D) preceding, when necessary, be used to determine the Carrier Common Line Charges as set forth in (F) following.

(F) After the adjustments as set forth in (D) and (E) preceding have been applied, when necessary, to the Switched Access Service access minutes, the charges for the involved customer account will be determined as follows:

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.7 Rate Regulations (Continued)**

(F) (Continued)

- (1) The access minutes for all Premium rated Switched Access Service subject to Carrier Common Line charges will be multiplied by the Transitional Charge - Premium Access per minute rate as set forth in 3.8 following to determine the charges.
- (2) The access minutes for all non-premium rated Switched Access Service subject to Carrier Common Line charges will be multiplied by the Transitional Charge-Non-premium Access per minute as set forth in 3.8 following to determine the charges.
- (3) Carrier Common Line charges shall not be reduced as set forth in 3.3(B) preceding unless Switched Access Charges, as set forth in Section 6, are applied to the customer's Switched Access Services. (T)
- (4) The terminating Premium Access, per minute charge(s) apply to all terminating access minutes of use, plus all originating access minutes of use associated with calls placed to 800 and/or 900 numbers, plus all originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers.
- (5) The originating Premium Access or Non-premium Access, per minute charge(s) apply to all originating access minutes of use, less those originating access minutes of use associated with calls placed to 800 and/or 900 numbers and less those originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers.

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**ACCESS SERVICE**

**3. Carrier Common Line Access Service (Continued)**

**3.8 Rates and Charges**

**3.8.1 Transitional**

The rate for Carrier Common Line Access is:

Intrastate IntraLATA  
 Access, per minute \$0.0000

Intrastate InterLATA  
 Access, per minute  
     Premium 0.0000  
     Non-premium 0.0000

**3.8.2 Statewide Service Fund Rate**  
 Each InterLATA originating MOU\* .0 (R)

**4. Reserved for future use**

\* Billing of the statewide service fund rate will be at the direction of the fund administrator.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service**

This section sets forth the regulations and order related charges for Access Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other sections of this tariff.

**5.1 Access Service Request Requirements**

An Access Service Request (ASR) is used by the Telephone Company to provide the customer with Switched Access Service as set forth in 6 following, and Special Access Service as set forth in 7. following or to provide changes to existing services.

When placing an order for Access Services, the customer must complete a Telephone Company Access Service Request and shall provide the information as required in 5.1.1, 5.1.2, and 5.1.3 following.

**5.1.1 General**

A customer may order any number of services of the same type and between the same premises on a single Access Service Request. All details for services for a particular order must be identical except for those for multipoint service.

A customer may order access service on behalf of the customer's end user. The customer must provide the Telephone Company all the necessary information as set forth in this section.

The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.1.2 and 5.1.3 following, the customer must also provide:

- Customer name and premises address(es)
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service**

**5.1 Access Service Request Requirements (Continued)**

**5.1.2 Switched Access Ordering Requirements**

Switched Access Service may be ordered by the customer on the basis of line-side or trunk-side access connections at Telephone Company locations. Trunk-side ordering regulations are as set forth in 5.1.2(A) following. Line side ordering regulations are as set forth in 5.1.2(B) following.

**(A) Trunk Side Access Services**

Feature Groups B, C, D, 800, and 900 Access services are provided by the Telephone Company via trunk side connections. Trunk side services may be ordered at the option of the customer, in BHMCs or in trunk quantities. 800 or 900 Access Service Trunks are provided only at Telephone Company designated switches capable of performing the customer identification function for 800 or 900 service. When direct routing of 800 or 900 Access Service traffic via 800 or 900 Access Service trunks is desired, or when the customer's 800 or 900 Access Service traffic is combined in the same trunk group arrangement with the customer's FGC or FGD traffic, the customer must complete an Access Service Request as set forth in (1) or (2) following.

**(1) Trunk Ordering**

Customers may order Feature Groups B, C, D, 800, or 900 Access Services by specifying the number of trunks desired between their premises and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching Options desired. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide to the Telephone Company a Traffic Distribution Request specifying an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The major traffic types and directionality must also be specified to enable efficient provisioning and billing functions.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.1 Access Service Request Requirements (Continued)**

**5.1.2 Switched Access Ordering Requirements (Continued)**

**(A) Trunk Side Access Services (Continued)**

**(1) Trunk Ordering (Continued)**

There are two major traffic types identified as Originating and Terminating traffic. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating traffic may be further categorized into Domestic, 800, 900, Operator and IDDD.

When a customer orders Feature Group B, C, D, 800 or 900 Access Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle this traffic.

**(2) BHMC Ordering**

Customers may order Feature Groups B, C, D, 800 or 900 Access Switched Access Service by specifying the number of busy hour minutes of capacity (BHMC) from the customer's premises to the end office by Switched Access arrangement and by type of BHMC. This information is used to determine the number of transmission paths as set forth in 6.4(D) following. The customer then specifies the Local Transport and Local Switching options desired, and for FGB the manner in which intrastate communications shall be completed.

The BHMC may be determined by the customer in the following manner. For each day (8 am to 11 p.m., Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 am hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

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**ACCESS SERVICE**

5. **Ordering Switched and Special Access Service (Continued)**

5.1 **Access Service Request Requirements (Continued)**

5.1.2 **Switched Access Ordering Requirements (Continued)**

(A) **Trunk Side Access Services (Cont)**

(2) **BHMC Ordering (Continued)**

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer. There are two major BHMC categories identified as Originating and Terminating. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating BHMCs are further categorized into Domestic, 800, 900, Operator and IDDD.

(3) **900 NXX Code Activation/Deactivation**

900 Access Service NXX Code Activation or Deactivation shall be ordered by the customer for an entire Telephone Company jurisdiction. Telephone Company jurisdiction is set forth on Page 1 preceding. The customer must specify in its Access Service Request, the 900 NXX codes to be activated or deactivated in the service area desired.

When a customer's 900 Access Service traffic originates from a Telephone Company end office which is not capable of performing the customer identification function the customer may be required, upon reasonable notice, to provide the Telephone Company an estimate of the amount of traffic it will generate from the end office to assist the Telephone Company in its own efforts to project future facility requirements.

For additions and/or deletions of 900 Access Service NXX(s) subsequent to the initial order for service, the customer shall place an Access Service Request for such additions and/or deletions at least 30 days prior to the effective date of the change in order to allow the Telephone Company sufficient time to implement the change. Calls originating in Telephone Company jurisdictions to NXXs which the customer has not ordered activated will be blocked in those end offices or access tandems which possess the technical capabilities to block such calls.

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**ACCESS SERVICE**

5. **Ordering Switched and Special Access Service (Continued)**

5.1 **Access Service Request Requirements (Continued)**

5.1.2 **Switched Access Ordering Requirements (Continued)**

(B) **Line Side Access Services**

Feature Group A Access service is provided by the Telephone Company via line-side connections. All customers shall provide the ordering requirements as follows:

For Feature Group A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the Local Transport options and Local Switching options desired, and the manner in which intrastate communications shall be completed. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.

When Feature Group A is ordered the customer shall specify whether or not the terminating traffic is to be restricted to the FGA Access Area (local exchange calling area) as set forth in 6.2.1(A)(7) following or allowed to extend beyond the FGA Access area but within the LATA. When Feature Group A traffic is terminated beyond the Access Area but remains within the LATA, the rates for Switched Access as set forth in 6.5.9 following, will apply.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.1 Access Service Request Requirements (Continued)**

**5.1.3 Special Access Services**

When placing an order for Special Access Services, the customer must provide the requirements as follows:

For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service, (e.g., Voice Grade, High Capacity, etc.) the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.

**5.1.4 Combined Access Service Arrangements**

The Combined Access Service Arrangement optional feature, as set forth in 6.3.2(T) following, is ordered by a customer in the provision of that customer's intrastate communications service (e.g., WATS, 800, or WATS-type services) to end users. Orders for the Combined Access Service Arrangement must specify the required information as set forth preceding for the appropriate Switched Access Service Feature Group and Voice Grade Special Access Service. The customer must also specify the Combined Access Service Arrangement optional features, if any, the directionality of the service to be provided (i.e., originating, terminating, or two-way) and the type of Supervisory Signaling.

If the wire center that serves the customer's end user premises is not capable of providing the necessary functions to combine Switched and Special Access Services as requested by the customer or is not a WATS Serving Office (WSO) the Telephone Company will configure the Special Access portion of the service to the nearest wire center where the necessary functions exist.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.1 Access Service Request Requirements (Continued)**

**5.1.6 Provision of Other Services**

- (A) Testing Service, Additional Labor, Restoration Priority and Special Facilities Routing shall be ordered with an Access Service Request or as set forth in (B) following. The rates and charges for these services, as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- (B) Where possible, the Telephone Company will allow the services listed preceding to be subsequently added to an Access Service Request at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.3.1(C) following will apply when an engineering review is required.
- (C) Additional Engineering is not an ordering option, but will be applied to an Access Service Request when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering conditions and charges are as set forth in 9.1 following and are in addition to the regulations, rates and charges specified in this section.

**5.1.7 Access Order Service Date Intervals**

Access Service is provided with Service Date Intervals. The Service Date Interval is that period of time which the Telephone Company requires to properly provision the service and begins when the customer submits a completed Access Service Request for service, as set forth in 5.1 preceding. The Telephone Company shall publish and make available to all customers, upon reasonable request, a schedule of Service Date Intervals applicable for Switched and Special Access Services. The schedule shall specify the services and the quantities of services that can be provided in the Service Date Intervals. Service Date Interval schedules are provided during regular business days at Telephone Company offices at which the customer places an order for Access Service.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.2 Access Services Provided by More than One Telephone Company**

The Telephone Company will provide Access Services under this tariff where more than one Telephone Company is involved in the provision of Access Service as set forth in (A), (B) or (C) following. The Single Company Billing arrangement as set forth in (A) following will be used for FGA and FGB switched access services except where interconnection arrangements between the telephone companies involved permit the use of the Multiple Company Billing arrangement as set forth in (B) following. The Telephone Company will notify the customer of the billing arrangement when the customer orders FGA or FGB service. The Multiple Company Billing arrangement, as set forth in (B) following, will be used for all FGC, FGD, and 800 Access Switched Access Services and Special Access Services.

**(A) Single Company Billing**

For FGA Switched Access Service the customer shall submit an ASR to the Telephone Company in whose territory the dial tone office is located. For FGB the customer shall submit an ASR to the Telephone Company in whose territory the end office switch or access tandem is located. The Telephone Company receiving the order from the customer will arrange to provide the service and bill the customer as set forth in 2.4.7 (A) preceding.

For services ordered as set forth preceding, the customer shall provide a copy of the ASR containing all information as required in 5.1 preceding to any other Telephone Company involved in providing the service.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.2 Access Services Provided by More than One Telephone Company (Continued)**

**(B) Multiple Company Billing**

For all Switched and Special Access Services, the customer shall submit an ASR to each Telephone Company involved in providing the service.

Each Telephone Company will provide the appropriate access service elements within its operating territory to a physical point of interconnection with the other involved Telephone Company(ies). The physical point of interconnection is the location where one Telephone Company's facilities connect with another Telephone Company's facilities.

Each Telephone Company that receives an order will bill the customer for the appropriate access service elements provided by each respective Telephone Company as set forth in 2.4.7(B) preceding.

**(C) EAS and Access Tandem Arrangements**

Where a customer utilizes FGA to originate and/or terminate calls within an Extended Area Service (EAS) calling area or FGB to originate and/or terminate calls within an access tandem network provided by more than one telephone company, as set forth in 2.4.7(c) preceding, the customer shall submit an ASR for FGA or FGB service in the manner set forth in (A) preceding. The customer shall also provide a copy of the ASR to any other Telephone Company involved in providing the service within the EAS calling area or access tandem network.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges**

**5.3.1 Access Service Request Modifications**

The customer may request a modification of its Access Service Request prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Service Request modification, the Telephone Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service circuits or Switched Access Service lines, trunks, or busy hour minutes of capacity will be treated as a new Access Service Request (for the increased amount only).

If order modifications are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order modification charges being incurred by the customer.

**(A) Service Date Change Charge**

Access Order service dates may be changed, however a Service Date Change Charge will apply for each service date change after the Plant Test Date on the Access Order. The new service date may not exceed the original service date by more than 30 calendar days. If the customer is unable to accept the service on the established service date and/or the customer requested service date is more than 30 calendar days after the original service date, the customer will have the option of (a) or (b) following:

- (a) The original order will be cancelled by the Telephone Company, and reissued with appropriate cancellation charges applied, or
- (b) the billing will commence for the services ordered on the original ASR.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.1 Access Service Request Modifications (Continued)**

**(A) Service Date Change Charge (Continued)**

If the Telephone company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

If the service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is:

	<u>CHARGE</u>
Service Date Change Charge, per order	\$26.21

**(B) Partial Cancellation Charge**

Any decrease in the number of ordered Special Access Service circuits or Switched Access Service lines, trunks or busy hour minutes of capacity will be treated as a partial cancellation and the charges as set forth in 5.3.2(C) following will apply.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.1 Access Service Request Modifications (Continued)**

(C) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer premises, end user premises, end office switch, Feature Group type or Special Access Service circuit type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Telephone Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply. The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is:

	<u>Rate</u>
Design Change Charge, per order	\$26.21

If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.1 Access Service Request Modification (Continued)**

**(D) Expedited Order Charge**

When placing an Access Service Request a customer may request a service date that is prior to the Telephone Company's published service date interval. If the Telephone Company determines that the service can be provided on the requested date, an Expedited Order Charge will apply.

(C)

A customer may also request an earlier service date on a pending Access Service Request. If the customer's request can be accommodated, a Service Date Change Charge as described in Section 5.3.1 (A) will apply in addition to the Expedited Order Charge.

If the Telephone Company is subsequently unable to meet an agreed upon expedited service date, the Expedited Order Charge will not apply.

In the event that the Telephone Company provides service on an expedited basis by customer request and the customer then delays service, an additional Service Date Change Charge as described in Section 5.3.1 (A) will apply.

The Expedited Order Charge applies per order, based on the requested service date. A request to expedite service to be available the next day is a one day expedite, a request for service in two days is a two day expedite, and so on to a request for service a week from the request date is a seven day expedite. Expedited orders for same day service are not available. If the requested service date is at the published service date interval or later, no Expedited Order Charge will apply.

(C)

Rates for Expedited Order Charges are as follows:

(N)

	<u>Charge</u>
One Day Expedite	\$586.00
Two Day Expedite	440.00
Three Day Expedite	349.00
Four Day Expedite	349.00
Five Day Expedite	349.00
Six Day Expedite	349.00
Seven Day Expedite	349.00
Eight Day Expedite	349.00
Nine Day Expedite	349.00

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.2 Cancellation of an Access Service Request**

A customer may cancel an Access Service Request on any date after receipt of the Access Service Request by the Telephone Company and prior to the installation of service. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Access Service Request order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If written confirmation of the cancellation is not received by the Telephone Company, the verbal notice will not be considered a valid cancellation notice. When a customer cancels an Access Service Request for the discontinuance of service, no charges apply for the cancellation.

**(A) Delay of Service Date by Customer**

If a customer or a customer's end user is unable to accept Access Service within 30 calendar days after the original service date, the customer has the choice of the following options:

- The Access Service Request shall be cancelled and charges set forth in (C) following will apply, or
- Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the Access Service Request.

**(B) Delay of Service Date by Telephone Company**

If the Telephone Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., Acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Service Request without incurring cancellation charges.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.2 Cancellation of an Access Service Request (Continued)**

(C) Cancellation Charge

When a customer cancels an Access Service Request and the Telephone Company incurs any costs associated with the processing of the Access Service Request or installation prior to the cancellation date, the Cancellation Charge will apply. The Cancellation Charge specified in (1) or (2) following, whichever is lower, shall apply.

- (1) The charge for the minimum period of Switched or Special Access Service as set forth in 5.3.3 following.
- (2) A charge equal to the costs incurred in such installation, less estimated net salvage, and/or a charge equal to the costs incurred in such order processing. These charges include the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs.

Installation and Order costs of Switched or Special Access Service facilities are considered to have started when the Telephone incurs any costs associated with such installation or order processing.

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**ACCESS SERVICE**

**5. Ordering Switched and Special Access Service (Continued)**

**5.3 Access Order Charges (Continued)**

**5.3.3 Minimum Period Charges**

(A) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

For purposes of applying minimum period charges, the disconnect date shall be two business days after the date the Telephone Company receives written notification from the customer or the date the customer requests service be disconnected, whichever is the later date.

(B) The Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in 6.5.7 following.

For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.2.3 following.

The Minimum Period Charge for part-time Television and Program Audio Services is the applicable daily rate for the service as set forth in 7.2.3 following.

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**ACCESS SERVICE**

**6. Switched Access Service**

**6.1 General**

The Telephone Company adopts Section 6 of the Frontier Telephone Companies Tariff FCC No. 6 (the Telephone Company's Interstate Access Tariff) effective as of July 3, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

Below is the website link to FCC No. 6 tariff. The rates are located in Section 6.6.12.

<http://carrier.frontiercorp.com/crtf/tariffs/index.cfm?fuseaction=fcc&stateID=&sctnID=8&companyID=245>

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows:

**6.2 Language Exceptions**

(None)

**6.3 Rate Exceptions**

	<u>Originating</u>	<u>Terminating*</u>
Prem Local Switching 1 (Bundled) – Non Toll Free	\$0.01810700	(C)
Prem Local Switching 2 (Bundled) – Non Toll Free	\$0.01810700	
N-Prem Local Switching (Bundled) – Non Toll Free	\$0.00814800	
Prem Local Switching 1 (Unbundled) CKT SW LN – Non Toll Free	\$0.04621011	
Prem Local Switching 2 (Unbundled) CKT SW LN – Non Toll Free	\$0.04621011	
N-Prem Local Switching (Unbundled) CKT SW LN – Non Toll Free	\$0.04621011	
Prem Local Switching 1 (Unbundled) CKT SW TRK – Non Toll Free	\$0.04621011	
Prem Local Switching 2 (Unbundled) CKT SW TRK – Non Toll Free	\$0.04621011	
N-Prem Local Switching (Unbundled) CKT SW TRK – Non Toll Free	\$0.04621011	
Tandem Switched Transport Facility – Non Toll Free	\$0.00066770	
Tandem Switched Transport Termination – Non Toll Free	\$0.00116181	(C)

\* See Frontier Telephone Companies Tariff FCC No. 6 for rates. (C)

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ACCESS SERVICE

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ACCESS SERVICE

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ACCESS SERVICE

6. Reserved For Future Use

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**ACCESS SERVICE**

**7. Special Access Service**

**7.1 Provision of Special Access Service**

Special Access Service provides a dedicated transmission path to connect customer designated premises\*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed. Special Access Service may also be combined with Switched Access Services in the provision of a customer's intrastate communications service (WATS, 800 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

**7.1.1 Circuit Types**

There are nine types of circuits used to provide Special Access Services:

- Metallic (MT)
- Low Speed Data (LSD)
- Voice Grade (VG)
- Program Audio (AP)
- Video (TV)
- Wideband Analog (WA)
- Wideband Data (WD)
- Digital Data (DA)
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

\* Telephone Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.1 Provision of Special Access Service (Continued)**

**7.1.2 Service Configurations**

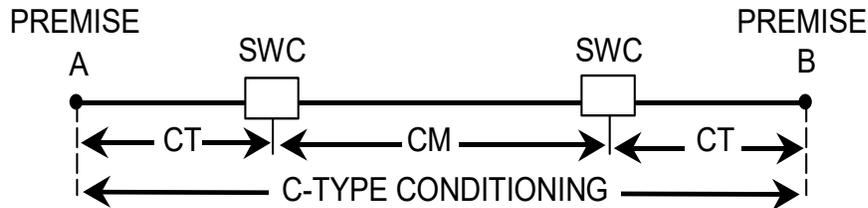
There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

**(A) Two-Point Service**

A two-point service connects two customer-designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed. A Voice Grade Special Access Circuit may be provided as a two-point service connecting an end user premise and a Telephone Company switch when Special Access is used in conjunction with Switched Access as set forth in Section 6 for Combined Access Service Arrangements. (T)

All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two customer-designated premises located 15 miles apart. The service is provided with the optional feature of C-Type conditioning.



CT - Circuit Termination  
 CM - Circuit Mileage  
 SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (2 applicable)
- Circuit Mileage (fixed rate plus rate per airline mile between SWC)
- C-Type Conditioning Optional Feature

In addition, charges for additional Optional Features and Functions may apply.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.1 **Provision of Special Access Service (Continued)**

7.1.2 **Service Configurations**

(B) **Multipoint Service**

Multipoint service connects three or more customer designated premises through a Telephone Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit.

The circuit between hubs on a multipoint service is a mid-link. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of multi-point facilities.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.3, will be provided when technically possible.

When ordering, the customer will specify the desired bridging hub(s). EXCHANGE CARRIER ASSOCIATION TARIFF FCC NO. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

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ACCESS SERVICE

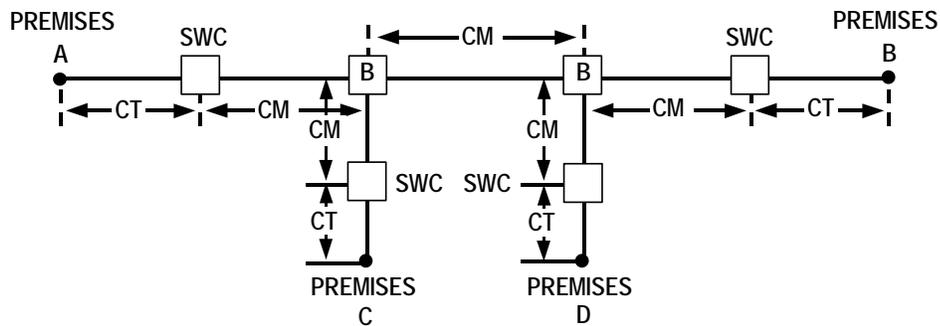
7. Special Access Service (Continued)

7.1 Provision of Special Access Service (Continued)

7.1.2 Service Configurations (Continued)

(B) Multipoint Service (Continued)

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



- CT - Circuit Termination
- CM - Circuit Mileage
- B - Bridging
- SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (4 applicable)
- Circuit Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging Optional Features (6 applicable, i.e., each bridge port)

In addition, charges for other Optional Features and Functions may be applicable.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.1 Provision of Special Access Service (Continued)**

**7.1.3 Technical Specifications Packages**

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.3 through 7.10 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two-letter code indicates the technical specifications package for a customized service. A numeric or alphanumeric designation following the two-letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Metallic	PUB	62502
Low Speed Data	PUB	62502
Voice Grade	PUB	TR-NPL-000335
	PUB	41004, Table 4
Program Audio	PUB	62503 and associated Addendum
Video	PUB	62504 and associated Addendum
Wideband Analog	PUB	62505 and associated Addendum
Wideband Data	PUB	62506
Digital Data	PUB	62507
	PUB	62310
High Capacity	PUB	64508
		62411

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.1 Provision of Special Access Service (Continued)**

**7.1.4 Channel Interfaces**

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 10. following, in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

**7.1.5 Alternate Use**

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 13. Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Circuit Terminations, Circuit Mileage [as applicable] and Optional Features and Functions [if any]).

**7.1.6 Special Facilities Routing**

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 12. following.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.1 Provision of Special Access Service (Continued)**

**7.1.7 Design Layout Report**

At the customer request, the Telephone Company will provide the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. The information will be provided to the customer at no charge in the form of a Design Layout Report and will be reissued or updated whenever the described facilities are materially changed.

**7.1.8 Acceptance Testing**

At the customer's request, the Telephone Company will cooperatively test, at the time of installation and at no additional charge, the following parameters:

- (A) For Voice Grade analog services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise as applicable according to the order for service. Voice Grade services acceptance testing will also include a balance (improved loss) test if the customer has ordered that optional feature.
- (B) For services other than Voice Grade, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing and Nonscheduled Testing, as described in 9.4 following, are available at the customer's request. All test results will be made available to the customer upon request.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.2 Rate Categories, Applications and Regulations**

This section contains the specific regulations governing the rates and charges that apply for Special Access.

**7.2.1 Rate Categories**

The following rate categories apply to Special Access Service:

- Circuit Terminations
- Circuit Mileage
- Optional Features and Functions
- Nonrecurring Charges

These rate categories are described in Sections 7.2.1.(A) through (D) following.

**(A) Circuit Termination**

The Circuit Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Circuit Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Circuit Termination charge applies per customer designated premises at which the circuit is terminated. This charge will apply even if the customer-designated premises and the serving wire center are co-located in a Telephone Company building.

**(B) Circuit Mileage**

The Circuit Mileage rate category provides for the end office equipment and transmission facilities between serving wire centers and/or Telephone Company hubs. In addition, when Special Access is used in conjunction with Switched Access Service as set forth in Section 6 for Combined Access Service Arrangements, and the end office serving the customer's end user premises is not capable of combining Switched and Special Access or is not a WATS Serving Office, Circuit Mileage is used to extend the Special Access Circuit to a WATS Serving Office or office capable of combining Switched and Special Access Services. The Circuit Mileage charge is composed of a flat monthly charge plus a rate per mile. (T)

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.2 **Rate Regulations (Continued)**

7.2.1 **Rate Categories (Continued)**

(B) **Circuit Mileage (Continued)**

(1) **Fixed Rate**

The fixed rate component of Circuit Mileage is applied only once per Circuit Mileage facility and is also applied when two or more customer designated premises are served by a common serving wire center (i.e., mileage is zero). When Special Access is used in conjunction with Switched Access where the customer's end user premises for the Special Access facility is served by a Telephone Company office capable of combining Switching and Special Access Service, or a WATS Serving Office, the fixed rate does not apply.

(2) **Per Mile Rate**

The mileage to be used to determine the monthly rate for the per mile portion of Circuit Mileage is calculated on the airline distance between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, or between a Telephone Company end office and a WATS serving office, or Telephone Company office capable of combining Switched and Special Access Services. The serving wire center associated with a customer-designated premises is the serving wire center from which this customer designated premises would normally receive dial tone. The methodology for mileage calculation and serving wire center V&H coordinates are specified in EXCHANGE CARRIER ASSOCIATION TARIFF FCC. NO. 4. Where the calculated miles include a fraction, the value is always rounded up the next full mile.

When hubs are involved, mileage is computed and rates applied separately for each section of the Circuit Mileage, i.e., customer-designated premises serving wire center to hub, hub to hub and/or hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.2 **Rate Regulations (Continued)**

7.2.1 **Rate Categories (Continued)**

(D) **Nonrecurring Charge (Continued)**

(4) **Service Rearrangements**

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.3.1 preceding.

(a) A charge will not apply to administrative changes as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

(b) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the Circuit Termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.2 **Rate Regulations (Continued)**

7.2.1 **Rate Categories (Continued)**

(D) **Nonrecurring Charge (Continued)**

(4) **Service Rearrangements (Continued)**

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade Circuit Termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of optional feature or function without a separate nonrecurring charge, a charge equal to a Circuit Termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.2 Rate Regulations (Continued)**

**7.2.4 Facility Hubs and Multiplexing**

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Telegraph, Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Service Request the customer will specify the desired hub. The EXCHANGE CARRIER ASSOCIATION TARIFF FCC NO. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.2 Rate Regulations (Continued)**

**7.2.5 Shared Use Analog and Digital High Capacity Services**

Shared use refers to a rate application applicable only when the customer orders High Capacity or Wideband Analog facilities between a customer designated premises and a Telephone Company hub where the Telephone Company performs multiplexing/demultiplexing functions and the same customer then orders the derived circuits as Special and Switched Access Services.

The facility will be ordered, provided and rated as Special Access Service (i.e., Circuit Termination, Circuit Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity or Wideband Analog Circuit Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual circuits of the shared use facility.

As each individual circuit is activated for Switched Access Service, the High Capacity or Wideband Analog Special Access Circuit Termination and Circuit Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). Switched Access Service rates and charges, as set forth in Section 6, will apply for each circuit of the shared use facility that is used to provide a Switched Access Service. (T)

The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the circuit assignment for each such service.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.2 Rate Regulations (Continued)**

**7.2.5 Shared Use Analog and Digital High Capacity Services (Continued)**

When Special Access Service is provided utilizing a circuit of the shared use facility to a hub, High Capacity or Wideband Analog rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Circuit Termination and Circuit Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate circuit type.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.3 Metallic Services**

**7.3.1 Basic Circuit Description**

A Metallic circuit is an unconditioned two-wire circuit capable of transmitting low speed varying signals at rates up to 30 baud. Metallic circuits are provided between customer designated premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit.

**7.3.2 Technical Specifications Packages**

<u>Parameter</u>	<u>Package MT-</u>			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference PUB 62502.

**7.3.3 Channel Interfaces**

Compatible channel interfaces are set forth in 9. following.

**7.3.4 Optional Features and Functions**

(1) Central Office Bridging Capability

- (a) Three Premises Bridging – Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer premise.
- (b) Series Bridging up to 26 customer premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package MT-</u>			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
Three Premise Bridging	X	X		X
Series Bridging	X		X	

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7. Special Access Service (Continued)

7.3 Metallic Services (Continued)

7.3.5 Rates and Charges

(A)	Circuit Termination	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
	- Per Point of Termination	\$18.41	\$ 75.80
(B)	Circuit Mileage Fixed	77.48	-
	Per mile	2.15	-
(C)	Optional Features and Functions		
(1)	Bridging	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(a)	Three Premises Bridging		
	- Per Port	\$ 3.82	None
(b)	Series Bridging		
	- Per Port	\$ 3.82	None

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.4 Low Speed Data**

**7.4.1 Basic Service Description**

A Low Speed Data circuit is an unconditioned circuit capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This circuit is furnished for half-duplex or duplex operation. Low Speed Data circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

**7.4.2 Technical Specifications Packages**

<u>Parameter</u>	<u>Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>
Data Distortion	X	X	X

The technical specifications are delineated in Technical Reference PUB 62502.

**7.4.3 Channel Interfaces**

Compatible channel interfaces are set forth in 10. following.

**7.4.4 Optional Features and Functions**

- (1) Data Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>
Data Bridging	X	X	X

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**7. Special Access Service (Continued)**

**7.5 Voice Grade Service**

**7.5.1 Basic Circuit Description**

A Voice Grade Circuit is a circuit which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Effective 2-wire and 4-wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 6 to provide access for a customer's communication service; e.g., WATS, 800, or WATS-type service. When the customer orders the Combined Access Service Arrangement, Voice Grade Circuits provide voice frequency transmission capability between an end user premises and Telephone Company offices capable of combining Special and Switched Access services or between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-CA in 7.5.2 and 7.5.5 following.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.5 Voice Grade Service (Continued)**

**7.5.2 Technical Specifications Packages**

<u>Parameter</u>	<u>Package VG-</u>												<u>CA</u>	
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>		<u>12</u>
Attenuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X	X
Envelope Delay Distortion	X						X	X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X	X
Intermodulation Distortion	X						X	X	X	X	X			X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X													
Phase Jitter	X						X	X	X	X	X	X	X	X
Return Loss														X
Signal-to-C Message Noise					X									
Signal-to-C Notch Noise	X					X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

\* The desired parameters are selected by the customer from the list of available parameters.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.5 **Voice Grade Service (Continued)**

7.5.4 **Optional Features and Functions (Continued)**

(a) **C-Type Conditioning**

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

<u>Attenuation Distortion</u> (Frequency Response) <u>Relative to 1004 Hz</u>		<u>Envelope Delay</u> <u>Distortion</u>	
<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> <u>(dB)</u>	<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> (micro- <u>seconds)</u>
400-2800	-1.0 to +2.0	1000-2600	100
300-3000	-1.0 to +3.0	800-2600	200
3000-3200	-2.0 to +6.0	600-2600	300
		500-2800	600
		500-3000	3000

(b) **Sealing Current**

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

(4) **Customer Specified Premises Receive Level**

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NPL-000335.

(5) **Improved Return Loss**

(a) **On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port):**

Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.5 **Voice Grade Service (Continued)**

7.5.4 **Optional Features and Functions (Continued)**

(5) **Improved Return Loss (Continued)**

(b) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

(6) **Data Capability**

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.5 Voice Grade Service (Continued)

7.5.4 Optional Features and Functions (Continued)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-													
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>CA</u>
C-Type Conditioning Central Office	X					X	X	X	X	X	X			
Bridging Capability Central Office	X		X			X	X			X	X	X		
Multiplexing	X						X							
Customer Specified Premises Receive Level	X		X	X				X	X	X				
Data Capability	X						X	X		X				
Improved Return Loss														
- For Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
- For Effective Two-Wire Transmission	X		X	X				X					X	
Sealing Current Conditioning	X						X							
Selective Signaling Arrangement	X		X			X	X			X	X	X		
Signaling Capability	X	X	X	X				X	X	X				X
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X		X

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ACCESS SERVICE

7. Special Access Service (Continued)

7.5 Voice Grade Service (Continued)

7.5.5 Rates and Charges

Individual rates and charges for Circuit Termination and Circuit Mileage for Voice Grade Service.

		<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(A)	Circuit Termination		
	- Per Point of Termination		
	- Two-wire	\$30.78	\$82.40
	- Four-wire	61.83	82.40
(B)	Circuit Mileage		
		<u>Monthly Rates</u>	
		<u>Fixed</u> <u>Per Mile</u>	
		\$16.21	\$1.86

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ACCESS SERVICE

7. Special Access Service (Continued)

7.5 Voice Grade Service (Continued)

7.5.5 Rates and Charges

(C) Optional Features and Functions (Continued)	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(5) Multiplexing Voice to Telegraph Grade - Per Arrangement	\$216.75	None
(6) Data Capability - Per Point of Termination	1.27	\$234.00
(7) Telephoto Capability - Per Point of Termination	2.81	234.00
(8) Signaling Capability - Per Point of Termination - In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.	13.14	None
AB		
AC		
CT		
DX		
DY		
EA		
EB		
EC		
EX		
GO		
GS		
LA		
LB		
LC		
LO		
LR		
LS		
RV		
SF		

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ACCESS SERVICE

7. Special Access Service (Continued)

7.5 Voice Grade Service (Continued)

7.5.5 Rates and Charges (Continued)

	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) Optional Features and Functions (Continued)		
(9) Selective Signaling Arrangement - Per Arrangement	\$14.05	None
(10) Transfer Arrangement (Key Activated* or Dial Up**) - Per Four Port Arrangement, including control circuit termination***	3.00	None
- Per Five Port Arrangement, including control circuit termination***	6.85	None

\* The key activated control circuit is rated as a Metallic Circuit Termination and Circuit Mileage, if applicable.

\*\* The Dial-up option requires the customer to purchase the Controller Arrangement from 9.7 following.

\*\*\* An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional circuit mileage charges will apply when the transfer arrangement is not located in the customer premises serving wire center.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.6 Program Audio Service

7.6.1 Basic Circuit Description

A Program Audio circuit is a circuit measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.6.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package AP-</u>				
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short-Term Gain Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendum.

\* The desired parameters are selected by the customer from the list available parameters.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.6 Program Audio Service(Continued)

7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

<u>CI</u>	<u>Bandwidth</u>
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 10 following.

7.6.4 Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to OdB ± 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately).

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package AP-</u>				
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

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ACCESS SERVICE

7. Special Access Services (Continued)

7.6 Program Audio Service (Continued)

7.6.5 Rates and Charges

(A)		<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
	Circuit Termination		
	- Per Point of Termination		
	- 200 to 3500 Hz	ICB	ICB
	- 100 TO 5000 Hz	ICB	ICB
	- 50 TO 8000 Hz	ICB	ICB
	- 50 TO 15000 Hz	ICB	ICB
		<u>Daily Rates*</u>	
	- 200 to 3500 Hz	ICB	
	- 100 to 5000 Hz	ICB	
	- 50 TO 8000 Hz	ICB	
	- 50 to 15000 Hz	ICB	

\* Daily Rates will be topped and maximum rates derived as set forth in 7.2.3(A) preceding.

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**7. Special Access Service (Continued)**

**7.6 Program Audio Service (Continued)**

**7.6.5 Rates and Charges (Continued)**

(B) Circuit Mileage (Continued)

Circuit Mileage	<u>Monthly Rates</u>
Fixed	
- 200 to 3500 Hz	ICB
- 100 to 5000 Hz	ICB
- 50 to 8000 Hz	ICB
- 50 to 15000 Hz	ICB
Per mile	
- 200 to 3500 Hz	ICB
- 100 to 5000 Hz	ICB
- 50 to 8000 Hz	ICB
- 50 to 15000 Hz	ICB

Circuit Mileage	<u>Daily Rates*</u>
Fixed	
- 200 to 3500 Hz	ICB
- 100 to 5000 Hz	ICB
- 50 to 8000 Hz	ICB
- 50 to 15000 Hz	ICB

\* Daily Rates will be topped and maximum rates derived as set forth in 7.2.3(A) preceding.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.6 Program Audio Service (Continued)

7.6.5 Rates and Charges (Continued)

		<u>Daily Rates</u> *
(B)	Per mile	
	- 200 to 3500 Hz	ICB
	- 100 to 5000 Hz	ICB
	- 50 to 8000 Hz	ICB
	- 50 to 15000 Hz	ICB

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions.

	<u>Monthly Rates</u>	<u>Daily*</u> <u>Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Monthly</u>	<u>Daily</u>
- Bridging, Distribution Amplifier				
- Per Port	\$19.15	\$1.92	None	None
- Gain Conditioning				
- Per Service	5.69	.56	\$164.00	\$164.00
- Stereo				
- Per service	None	None	361.00	361.00

\* Daily rates will be topped and maximum rates derived as set forth in 7.3.1(B) preceding.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.7 Video Service

7.7.1 Basic Circuit Description

A Video circuit is a circuit with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signal(s). The bandwidth for a video circuit is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either duplexed or provided as one or two separate circuits. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.7.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
Amplitude vs. Frequency Response	X		
Chrominance/Luminance Inequalities			
Gain	X	X	X
Delay	X	X	X
Chrominance/Luminance Intermodulation	X		
Chrominance Nonlinear Gain	X		
Chrominance Nonlinear Phase	X		
Crosstalk	X		X
Differential Gain	X	X	X
Differential Phase	X	X	X
Dynamic Gain (picture and sync signal)	X		
Field-Time Distortion	X	X	X
Gain/Frequency Distortion	X	X	X
Gain Stability	X	X	X
Insertion Gain	X	X	X
Line-Time Distortion	X	X	X
Long-Time Distortion	X	X	X

\* The desired parameters are selected by the customer from the list of available parameters.

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7. Special Access Service (Continued)

7.7 Video Service (Continued)

7.7.2 Technical Specifications Packages (Continued)

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
Luminance Non-Linearity	X		
Luminance Signal/CCIR			
Weighted Noise	X	X	X
Short-Time Distortion			
2 T Pulse	X	X	X
T - Bar Ringing	X	X	X
Signal/15 kHz Flat			
Weighted Noise	X	X	X
Signal/Low Frequency Noise	X		
Stereo Gain Difference	X	X	
Stereo Phase Difference	X	X	
Total Harmonic Distortion	X	X	X
Transient Sync Signal Non-Linearity	X		
Video/Audio Delay Difference	X		

The technical specifications are delineated in Technical Reference PUB 62504 and associated Addendum.

7.7.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with a Video circuit:

<u>CI</u>	<u>Audio Bandwidth</u>	<u>Provision</u>
2TV6-1	15kHz	1 Channel, duplexed
2TV6-2	15kHz	2 Channels, duplexed
2TV7-1	15kHz	1 Channel, duplexed

\* The desired parameters are selected by the customer from the list of available parameters.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.7 Video Service (Continued)

7.7.3 Channel Interfaces (Continued)

<u>CI</u>	<u>Bandwidth</u>	<u>Provision</u>
2TV7-2	15kHz	2 Channels, duplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

Compatible channel interfaces are set forth in 10. following.

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7. Special Access Service (Continued)

7.8 Wideband Analog Service (Continued)

7.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

<u>CI</u>	<u>Bandwidth</u>
AH-B	60 kHz to 108 kHz (Group)
AH-C	312 kHz to 552 (Supergroup)
AD-D	564 kHz to 3084 kHz (Mastergroup)
WD-1	300 Hz to 18 kHz
WD-2	29 kHz to 44 kHz
WD-3	28 kHz to 44 kHz

Compatible channel interfaces are set forth in 10. following.

7.8.4 Optional Features and Functions

(A) Central Office Multiplexing

(1) Mastergroup to Supergroup

An arrangement that converts a Mastergroup circuit to ten Supergroup circuits using frequency division multiplexing.

(2) Supergroup to Group

An arrangement that converts a Supergroup circuit to five Group circuits using frequency division multiplexing.

(3) Group to Voice

An arrangement that converts a Group circuit to twelve Voice Grade circuits using frequency division multiplexing.

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7. Special Access Service (Continued)

7.8 Wideband Analog Service (Continued)

7.8.4 Optional Features and Functions (Continued)

(A) Central Office Multiplexing (Continued)

(4) Group to DS1

An arrangement that converts two Group circuit to DS1 circuit using analog to digital conversion.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WA-				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Central Office Multiplexing:					
Mastergroup to Supergroup				X	
Supergroup to Group		X			
Group to Voice	X				
Group to DS1					

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ACCESS SERVICE

7. Special Access Services (Continued)

7.8 Wideband Analog Services (Continued)

7.8.5 Rates and Charges (Continued)

(B) Circuit Mileage

Fixed and Per Mile Monthly Rates for all jurisdictions will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available bandwidths are as follows.

Frequency

Bandwidth

60-108 kHz

312-552 kHz

564-3084 kHz

300 Hz-18 kHz

29-44 kHz

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ACCESS SERVICE

7. Special Access Services (Continued)

7.8 Wideband Analog Services (Continued)

7.8.5 Rates and Charges (Continued)

(C) Optional Features and Functions

(1) Multiplexing

Fixed and Per Mile Monthly Rates for all jurisdictions will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available multiplexing arrangements are as follows:

Multiplexing Arrangement

- Mastergroup to Supergroup
- Supergroup to Group
- Group to Voice
- Group to DS1\*

\* Requires two 60-108 kHz Circuit Terminations and Circuit Mileage, one 1.544 Mbps Circuit Mileage and either a 1.544 Circuit Termination or a DS1 to Voice Multiplexing optional feature, depending on whether the service terminates at a customers premises or was purchased as a facility, to a Telephone Company hub for multiplexing to Voice Grade.

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ACCESS SERVICE

7. Special Access Services (Continued)

7.9 Wideband Data Service

7.9.1 Basic Circuit Description

A Wideband Data circuit is an analog circuit for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customers business machine and the wideband data transmission medium. A voice band coordinating channel is also provided. Wideband Data circuits are provided between customer designated premises.

7.9.2 Technical Specifications Packages

	<u>Package WD-</u>		
Parameter	<u>1</u>	<u>2</u>	<u>3</u>
Error-Free Seconds	X	X	X

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

7.9.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Wideband Data circuit:

<u>CI</u>	<u>Bit Rate</u>
WB-18S	18.75 kbps, synchronous
WB-19A	up to 19.2 kbps, asynchronous
WB-19S	19.2 kbps, synchronous
WB-23A	up to 230.4 kbps, asynchronous
WB-23S	230.4 kbps, synchronous
WB-40S	40.8 kbps, synchronous
WB-50A	up to 50.0 kbps, asynchronous
WB-50S	50.0 kbps, synchronous

Compatible channel interfaces are set forth in 10. following.

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ACCESS SERVICE

7. Special Access Services (Continued)

7.9 Wideband Data Service (Continued)

7.9.5 Rates and Charges (Continued)

(A) Circuit Termination (Continued)

For data speeds other than 40.8 and 50.0 kbps:

Fixed and Per Mile Monthly Rates for the Circuit Termination rate element of Wideband Data Service for all jurisdictions will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available data speeds are as follows:

Data Speed

18.75 kbps

19.2 kbps

230.4 kbps

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ACCESS SERVICE

7. Special Access Services (Continued)

7.9 Wideband Data Service (Continued)

7.9.5 Rates and Charges (Continued)

(B) Circuit Mileage

	<u>Monthly Rates</u>
50.0 or 40.8 kbps Fixed	ICB
Per Mile	ICB

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ACCESS SERVICE

7. Special Access Service (Continued)

7.10 Digital Data Service

7.10.1 Basic Circuit Description

A Digital Data circuit is a circuit for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data circuits are only available via Telephone Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.10.2 Technical Specifications Packages

Parameter	Package DA			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds	X	X	X	X

The Telephone Company will provide a circuit capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the circuit is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

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**7. Special Access Service (Continued)**

**7.10 Digital Data Service (Continued)**

**7.10.3 Channel Interfaces**

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data circuit.

<u>CI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-56	56.0 Kbps

Compatible channel interfaces are set forth in 10. following.

**7.10.4 Optional Features and Functions**

- (1) Central Office Bridging Capability
- (2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

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ACCESS SERVICE

7. Special Access Service (Continued)

7.10 Digital Data Service (Continued)

7.10.5 Rates and Charges

	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(A) Circuit Termination		
- Per Point of Termination		
- 2.4 kbps	ICB	ICB
- 4.8 kbps	ICB	ICB
- 9.6 kbps	ICB	ICB
- 56.0 kbps	ICB	ICB
(B) Circuit Mileage		
Fixed		
- 2.4 kbps	ICB	ICB
- 4.8 kbps	ICB	ICB
- 9.6 kbps	ICB	ICB
- 56.0 kbps	ICB	ICB
Per mile		
- 2.4 kbps	ICB	ICB
- 4.8 kbps	ICB	ICB
- 9.6 kbps	ICB	ICB
- 56.0 kbps	ICB	ICB

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**ACCESS SERVICE**

7. **Special Access Service** (Continued)

7.10 **Digital Data Service** (Continued)

7.10.5 **Rates and Charges** (Continued)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to all jurisdictions.

<u>Optional Features and Functions</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Bridging - Per Port	\$23.77	None
(2) Loop Transfer Arrangement (Key Activated* or Dial-Up**) - Per Four-Port Arrangement***	5.96	None

\* The key activated control is rated as a Metallic Circuit Termination and Circuit Mileage, if applicable.

\*\* The Dial-Up option requires the customer to purchase the Controller Arrangement from 10.7(A) following.

\*\*\* An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional Circuit Mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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**ACCESS SERVICE**

7. **Special Access Service (Continued)**

7.10 **Digital Data Service (Continued)**

7.10.5 **Rates and Charges (Continued)**

(D) Channel Service Unit

Monthly Rates and Nonrecurring Charges for the Channel Service Unit of Digital Data Service listed in this section apply to all jurisdictions.

<u>Channel Service Limit*</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
- Per Point of Termination where provided		
- 2.4 Kbps	\$16.41	None
- 4.8 Kbps	17.54	None
- 9.6 Kbps	18.40	None
- 56.0 Kbps	19.17	None

\* Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.11 High Capacity Service**

**7.11.1 Basic Circuit Description**

A High Capacity circuit is a circuit for the transmission of nominal 64.0 kbps\* or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity circuit at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

**7.11.2 Technical Specifications Packages**

<u>Parameter</u>	<u>Package HC</u>												
Error-Free Seconds	<table border="0" style="margin: auto;"> <tr> <td style="padding: 0 5px;">0</td> <td style="padding: 0 5px;">1</td> <td style="padding: 0 5px;">1C</td> <td style="padding: 0 5px;">2</td> <td style="padding: 0 5px;">3</td> <td style="padding: 0 5px;">4</td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	0	1	1C	2	3	4		X				
0	1	1C	2	3	4								
	X												

A circuit with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

\* Available only as a circuit of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

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**7. Special Access Service (Continued)**

**7.11 High Capacity Service**

**7.11.3 Channel Interfaces**

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity circuit:

<u>CI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DSIC)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in 10.3.5 following.

**7.11.4 Optional Features and Functions**

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer-designated premise and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare circuit line when a working line fails. The spare circuit is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

\* A 64.0 kbps circuit is available as a circuit(s) of a 1.544 Mbps facility to a Telephone Company hub.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.11 High Capacity Service**

**7.11.4 Optional Features and Functions (Continued)**

(3) Central Office Multiplexing

(a) DS4 to DS1

An arrangement that converts a 274.176 Mbps circuit to 168 DS1 circuits using digital time division multiplexing.

(b) DS3 to DS1

An arrangement that converts a 44.736 Mbps circuit to 28 DS1 circuits using digital time division multiplexing.

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps circuit to four DS1 circuits using digital time division multiplexing.

(d) DS1C to DS1

An arrangement that converts a 3.152 Mbps circuit to two DS1 circuits using digital time division multiplexing.

(e) DS1 to Voice

An arrangement that converts a 1.544 Mbps circuit to 24 circuits for use with Voice Grade Services. A circuit at this DS1 to the hub can also be used for a Digital Data Service.

(f) DS1 to DS0

An arrangement that converts a 1.544 Mbps circuit to 23 64.0 kbps circuits utilizing digital time division multiplexing.

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7. Special Access Service (Continued)

7.11 High Capacity Service

7.11.4 Optional Features and Functions (Continued)

(3) Central Office Multiplexing (Continued)

(g) DS0 to Subrate

An arrangement that converts a 64.0 kbps circuit to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps circuits using digital time division multiplexing.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC-					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Automatic Loop Transfer		X				
Central Office Multiplexing:						
DS4 to DS1						X
DS3 to DS1					X	
DS2 to DS1				X		
DS1C to DS1			X			
DS1 to Voice		X				
DS1 to DS0		X				
DS0 to Subrate*	X					
Transfer Arrangement		X				

\* Available only on a circuit of a 1.544 Mbps facility to a Telephone Company hub.

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7. Special Access Service (Continued)

7.11 High Capacity Service

7.11.5 Rates and Charges

	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(A) Circuit Termination - Per Point of Termination 1.544 Mbps	\$159.90	\$432.68

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7. **Special Access Service** (Continued)

7.11 **High Capacity Service**

7.11.5 **Rates and Charges** (Continued)

- (A) Circuit Termination (Continued)  
- Per Point of Termination

Frequency bandwidths other than 1.544 mbps:

Monthly Rates and Nonrecurring Charges for the Circuit Termination rate element of High Capacity Service for all jurisdictions will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths are as follows:

Frequency  
Bandwidths

64 Kbps  
3.152 Mbps  
6.312 Mbps  
44.736 Mbps  
274.176 Mbps

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7. Special Access Service (Continued)

7.11 High Capacity Service

7.11.5 Rates and Charges (Continued)

Monthly Rates

(B)	Circuit Mileage 1.544 Mbps Fixed	\$453.23
	Per mile	35.52

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7. **Special Access Service** (Continued)

7.11 **High Capacity Service**

7.11.5 **Rates and Charges** (Continued)

(B) Circuit Mileage (Continued)

For frequency bandwidths other than 1.544 Mbps:

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of High Capacity Service for all jurisdictions will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths formats are as follows.

Frequency  
Bandwidths

64 Kbps  
3.152 Mbps  
6.312 Mbps  
44.736 Mbps  
274.176 Mbps

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7. **Special Access Service (Continued)**

7.11 **High Capacity Service**

7.11.5 **Rates and Charges (Continued)**

(C) **Optional Features and Functions**

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to all jurisdictions.

	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Multiplexing DS4 to DS1 - Per arrangement	ICB	None
DS3 to DS1 - Per arrangement	ICB	None
DS2 to DS1 - Per arrangement	ICB	None
DS1C to DS1 - Per arrangement	ICB	None
DS1 to Voice* - Per arrangement	\$317.99	None
DS1 TO DS0 - Per arrangement	551.32	None
DS0 to Subrates - Per arrangement Up to 20 2.4 kbps Services	450.88	None
Up to 10 4.8 kbps Services	232.39	None
Up to 5 9.6 kbps services	161.56	None

\* A circuit of this DS1 to the hub can be used for Digital Data service. ICB rates and charges are filed in 7.12 following.

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7. **Special Access Service** (Continued)

7.11 **High Capacity Service**

7.11.5 **Rates and Charges** (Continued)

(C) Optional Features and Functions (Continued)

	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(2) Automatic Loop Transfer - Per arrangement*	\$388.30	None
(3) Transfer Arrangement (key activated** or dial up***) - Per four port arrangement including control channel termination****)	165.00	None

(D) Network Channel Terminating Equipment (NCTE)#

- Per Point of termination where provided	84.71	None
- 1.544 Mbps		
- Automatic Loop Transfer	894.01	None

\* An additional Circuit Termination charge will apply whenever the spare line is provided as a let to the customer premises.

\*\* The key activated control circuit is rated as a Metallic Circuit Termination.

\*\*\* The Dial-up option requires the customer to purchase the Controller Arrangement.

\*\*\*\* An additional Circuit Termination charge will apply whenever a spare circuit is configured as a let to the customers premises. Additional circuit mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

# NCTE will only be provided under tariff if it existed in the Telephone Company's inventory as of November 18, 1983.

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**ACCESS SERVICE**

**7. Special Access Service (Continued)**

**7.12 Individual Case Filing**

Rates and charges for Special Access Service provided on an individual case basis are filed following:

**7.13 Nevada Universal Service Fund (NUSF) Surcharge**

**7.13.1. General**

The Nevada Universal Service Fund (NUSF) Surcharge applies to the Company's intrastate retail revenues.

**7.13.2 Rate Regulations**

In accordance with Docket No. 18-08028, the Nevada Universal Service Fund (NUSF) Surcharge will be changed to a rate of 0.2827% of all billed intrastate retail services. The rate will remain in effect until otherwise ordered by the Commission. (T)(I)

The following surcharge percentages will be applied to intrastate retail telecommunications service charges on customer's bills:

Beginning January 1, 2019	0.2827%	(T)(I)
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The assessment percentage is determined annually by the Commission based on the recommendation of the NUSF administrator. The amount of the surcharge billed will be rounded to the nearest cent. The surcharge will appear as a separate line/entry on the Company's portion of the customer's bill.

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**ACCESS SERVICE**

**8. Billing and Collection Services**

The Telephone Company will, at the option of an IC, provide the following services:

- (A) Recording Service,
- (B) Billing Service,
- (C) Billing Analysis Service, and
- (D) Billing Information Service

**8.1 Recording Service**

The Telephone Company will provide Recording Service in association with the offering of Feature Groups C and D Switched Access Service for IC messages that can be recorded by Telephone Company provided automatic message accounting equipment. In addition, where the Telephone Company records the IC messages on manual tickets, the Telephone Company will provide Recording Service for the manual tickets.

The Telephone Company will provide Recording Service in its operating territory. The minimum territory for which the Telephone Company will provide Recording Service is all the appropriately equipped offices in a state operating territory for which the IC has ordered Feature Group C or D Switched Access Service.

The term "IC message" used herein denotes a completed call originated by an IC's end user. An IC message begins when answer supervision from the IC terminal location is received by Telephone Company recording equipment indicating that the called party has answered. An IC message ends when disconnect supervision is received by Telephone Company recording equipment from either the IC terminal location or the IC end user premises from which the call originated.

**8.1.1 General Description**

Recording Service is the recording of the details of an IC message and, when requested by the IC, the provision of those details to the IC. Recording Service includes recording, assembly and editing, and provision of recorded IC message detail.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.1 General Description (Continued)**

Recording is the entering on magnetic tape or other acceptable media the details of IC messages originated through Switched Access Service for which answer and disconnect supervision has been received. Recording is provided 24 hours a day, 7 days a week.

Assembly and editing is the aggregation of the recorded IC message details to create individual messages and the verification that the data required for rating, in accordance with the standard format established by the Telephone Company, is present. Assembly and editing is performed at least once a week.

Provision of IC message detail is the provision of magnetic tapes containing the assembled and edited IC message detail and when requested by the IC, data-transmitting the assembled and edited IC message detail to the IC. Except for lost or damaged records, the recorded detail will be available to the IC not more than five business days after the date all the detail requested by the IC was processed by the Telephone Company.

**8.1.2 Undertaking of the Telephone Company**

(A) The Telephone Company will record all IC messages carried over Feature Groups C and D Switched Access Service that are available to Telephone Company provided recording equipment or operators. Unavailable IC messages (i.e., certain Feature Group C operator and TSPS messages which are not accessible by Telephone Company provided recording equipment or operators) will not be recorded. The recording equipment will be provided at locations selected by the Telephone Company. Assembly and editing will be performed on all IC messages recorded during the billing period established by the Telephone Company. Except as set forth in 8.1.2(F) and 8.1.3 following, recorded message detail from previous billing periods will not be recovered and made available to the IC.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.2 Undertaking of the Telephone Company (Continued)**

- (B) A standard format for the provision of the recorded IC message detail will be established by the Telephone Company and provided to the IC. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will notify the involved ICs six months prior to the change.
- (C) The recorded IC message detail provided to the IC will not be sorted to furnish detail by specific end users, groups of end users, by office or by location.
- (D) Recorded IC message detail will be provided to an IC as set forth in (E) following. The Telephone Company will determine the number of magnetic tapes or data files required to provide the recorded message detail to the IC.
- (E) At the request of an IC, magnetic tapes containing the recorded IC message details will be provided to the IC as part of Recording Service. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the magnetic tapes. Unless specified otherwise by the IC, the magnetic tapes will be sent to the IC via first class U.S. mail service. However, the IC may pick up the magnetic tapes at a location designated by the Telephone Company or request that the detail on the magnetic tapes or in a data file be data-transmitted to the IC. When the IC message details are data-transmitted to an IC location, the data transmission charges

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.2 Undertaking of the Telephone Company (Continued)**

(E) (Continued)

will be determined on an individual case basis. When the IC does not wish to receive the recorded IC message details, and the Telephone Company receives notice from the IC at least two weeks prior to the date the details would be sent to the IC, the charge as set forth in 8.1.7(C) following does not apply.

(F) At the IC's request, the Telephone Company will make every reasonable effort to recover recorded IC message detail previously made available to the IC and make it available again for the IC. The charges as set forth in 8.1.7(C) following will apply for all such detail provided. When the IC message details are data-transmitted to an IC location, the data transmission charges will be determined on an individual case basis. Such a request must be made within 30 days from the date the details were initially made available to the IC.

**8.1.3 Liability of the Telephone Company**

Notwithstanding liabilities included in Section 2.0 preceding, the Telephone Company liability for Recording Service is as follows:

(A) If IC message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost IC messages and associated revenue based on previously known values. This estimated IC message volume will be included along with the IC message detail provided to the IC and/or provided for Message Processing Service. In such events the extent of the Telephone Company's liability for damages shall be limited to the granting of a corresponding credit adjustment to the IC amounts due to account for the unbillable revenue.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.3 Liability of the Telephone Company (Continued)**

(B) When the Telephone Company is notified that, due to error or omission, incomplete data have been provided to an IC, the Telephone Company will make every reasonable effort to locate and/or recover the data and provide new magnetic tapes to the IC at no additional charge. Such request to recover the data must be made within 3 days from the date the details were initially made available to the IC. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in (A) preceding.

(C) In the absence of willful misconduct, no liability for damages to the IC or other person or entity other than as set forth in (A) and (B) preceding shall attach to the Telephone Company for its action or the conduct of its employees in providing Recording Service.

**8.1.4 Obligations of the Customer**

(A) The IC shall order Recording Service under a Special Order where the service is desired.

The IC shall order Recording Service at least one month prior to the date when the IC message detail is to be recorded.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.4 Obligations of the Customer (Continued)**

- (B) The IC shall order provision of recorded IC message detail at least one month prior to the date when it wishes to receive the recorded message detail. However, the IC may wish to receive magnetic tapes of the recorded detail or have the recorded detail data-transmitted to an IC location at some times and not at others. Therefore, change in the provision of recorded IC message detail to the IC will be accommodated provided the IC gives two weeks advance written notification to the Telephone Company.
- (C) The IC's terminal location shall provide such signals as may be required for the proper operation of the Telephone Company's automatic message accounting equipment used to perform the detail recordings.

**8.1.5 Payment Arrangements and Audit Provision**

**(A) Audit Provision**

Upon reasonable written notice by the IC to the Telephone Company, the IC shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the recording of messages for which amounts may be payable to the IC. Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.5 Payment Arrangements and Audit Provision (Continued)**

(A) Audit Provision (Continued)

All information received or reviewed by the IC or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

(B) Minimum Period and Minimum Monthly Charge

The minimum period for which Recording Service is provided and for which charges apply is one month for each state in which the service is ordered.

The minimum monthly charges are the charges for IC messages recorded, IC messages assembled and edited (except when Message Processing Service is ordered for the same monthly period) and when ordered by the IC, provision of IC message detail on magnetic tapes or data files. If the service is cancelled or discontinued prior to entering the IC message detail on magnetic tapes or data files, the minimum monthly charge will be the charge for all IC messages recorded, assembled and edited for a 30-day period. The Telephone Company will use the most recent 30-day period for which data is available to determine the minimum charge.

(C) Cancellation of a Special Order

An IC may cancel a Special Order for Recording Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the IC that the Special Order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. The service date for Recording Service is the date the IC requests the recordings to start.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.5 Payment Arrangements and Audit Provision (Continued)**

(C) Cancellation of a Special Order (Continued)

When an IC cancels a Special Order for Recording Service after the order date but prior to the start of service, the minimum monthly charges will apply.

(D) Changes to Special Orders

When an IC requests changes to a pending Special Order for Recording Service, the pending Special Order will be cancelled and the requested changes will be undertaken if they can be accommodated by the Telephone Company under a new Special Order. All cancellation charges as set forth in (C) preceding will apply for the cancelled Special Order.

**8.1.6 Rate Regulations**

(A) For each IC message recorded, the recording and the assembling and editing charges apply except when the IC orders Message Processing Service. When Message Processing Service as set forth in 8.2.1 following is ordered for the same state and month that Recording Service is ordered, the assembling and editing charge does not apply per IC message.

The charges for recording and for assembly and editing apply per message recorded and per message assembled and edited whether or not the IC's schedule of rates specifies billing on a per message basis or any other basis.

(B) The per Special Order charge applies for each Special Order accepted by the Telephone Company for Recording Service.

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**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.6 Rate Regulations (Continued)**

(C) When message detail is entered on a data file or magnetic tape for provision of message detail to an IC, the per tape charge applies for each data file or magnetic tape prepared, and the per record charge applies for each record processed. A record is a logical grouping of information as described in the programs that process the information and load the magnetic tapes or data file. The Telephone Company will determine the charges based on the number of data files or magnetic tapes prepared and on its count of the records processed. The number of records processed will be determined using the number of records input to or the number of records output from the programs that process the information and load the magnetic tapes or data file, whichever number of records is higher.

**8.1.7 Rates and Charges**

InterLATA

The rates and charges are:

Rates

- |                             |                             |
|-----------------------------|-----------------------------|
| (A) Recording,              |                             |
| - per IC message            | - **                        |
| - per Special Order         | \$20.00                     |
| (B) Assembling and editing, |                             |
| - per IC message*           | ICB rates and charges apply |

\* Applicable when Recording Service is ordered without Message Processing Service. Not applicable when Message Processing Service, as set forth in 8.2.1 following, is provided to the IC except as set forth in 8.2.1(B)(1)(c) and 8.2.1(B)(2)(d) following.

\*\* Included in Bill Processing Rates, Section 8.2.1(G)(7).

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.7 Rates and Charges (Continued)**

InterLATA

(C) Provision of IC Message detail, - per record processed	<u>Rates</u> ICB rates and charges apply
- per tape or data file	ICB rates and charges apply
(D) Data transmission to an IC location, - per record transmitted	ICB rates and charges apply

IntraLATA

	<u>Rates</u>
(A) Recording, - per IC message - per Special Order	- ** \$20.00
(B) Assembling and editing, - per IC message*	ICB rates and charges apply

\* Applicable when Recording Service is ordered without Message Processing Service. Not applicable when Message Processing Service, as set forth in 8.2.1 following, is provided to the IC except as set forth in 8.2.1(B)(1)(c) and 8.2.1(B)(2)(d) following.

\*\* Included in Bill Processing Rates, Section 8.2.1(G)(7).

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.1 Recording Service (Continued)**

**8.1.7 Rates and Charges (Continued)**

IntraLATA

- (C) Provision of IC Message detail,
  - per record processed
  - per tape or data file

Rates  
 ICB rates and charges apply

ICB rates and charges apply

- (D) Data transmission to an IC location,
  - per record transmitted

ICB rates and charges apply

**8.2 Billing Service**

At the request of an IC, the Telephone Company with reasonable notice and reasonable effort will provide Billing Service.

The Telephone Company will provide Billing Service in its operating territory. The minimum territory for which the Telephone Company will provide Billing Service is its state operating territory when the Telephone Company supplies the input records at the IC's request. When the IC supplies the input records, the Telephone Company will process the input records supplied by the IC as set forth in 8.2.1 and 8.2.2 following.

The Telephone Company will provide two types of Billing Service: 1) Message Billing Service as set forth in 8.2.1, and 2) Private Line Billing Service as set forth in 8.2.2 following.

The Telephone Company will provide Bill Processing Service and Private Line Billing Service only on the condition that (1) it purchases the accounts receivable, if any, from the IC as set forth in 8.2.3 following or (2) the Telephone Company agrees to act as billing agent for the IC.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

The Telephone Company will not render bills under this tariff for the provision and/or delivery of telegrams, flowers, gifts, wine or other like services that an IC offers.

**8.2.1 Message Billing Service**

Message Billing Service consists of Message Processing Service and Bill Processing Service. An IC may order Message Processing Service or Bill Processing Service or both services.

(A) General Description

(1) Message Processing Service

Message Processing Service is the transforming of the recorded IC call details into rated messages in preparation for billing. Message Processing Service includes initial data entry and rating of messages.

Initial data entry is the assembly of recorded IC call details into IC messages. This function includes editing and verification of recorded details to assure that the data required for rating are present.

Rating of IC messages is the computing of applicable charges for each IC message based on the IC provided schedule of rates. Rating also includes the preparation of IC message detail for input to Bill Processing Service, the IC, or other entities.

Further, rating is always performed and editing may be performed coincident with the implementation of a change in the IC's schedule of rates.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

**(A) General Description (Continued)**

**(2) Bill Processing Service**

Bill Processing Service is the preparation of bills for message-billed service and bulk-billed service, mailing of statements of the amounts due for service received from the IC and the collection of deposits and monies due from the end users. Bill Processing Service includes message-billed (when necessary) and bulk-billed account establishment, posting of rated messages and rate elements, rendering of bills, collection of deposits, receiving payments, maintenance of accounts, treatment of accounts, message investigation and inquiry (when ordered by the IC).

Bulk-billed service is a billing service for an end user account with a Dedicated Access Line (DAL) Service to the end user premises where individual IC messages are not posted to the account and are not listed on the bill rendered to the end user.

Message-billed service is a billing service for an end user account with an end user common line where individual IC messages are posted to the account and are listed on the bill rendered to the end user. Message-billed service is also a billing service for an IC credit card end user account without an end user common line or Dedicated Access Line (DAL) Service where individual messages or groups of messages are posted to the account and listed on the bill rendered to the end user.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

**(1) Message Processing Service (Continued)**

(b) The Telephone Company will provide Message Processing Service only for IC messages originating or recorded within the operating territory of the Telephone Company. The IC messages which the Telephone Company will process may be IC messages from Recording Service as set forth in 8.1 preceding or, at the direction of the IC, other IC messages which are chargeable in accordance with the rate schedule furnished by the IC.

Any sent-paid coin IC messages provided as input by the IC will be processed unless the IC specifies in writing that such IC messages are not to be processed. When such IC messages are processed message-processing charges will apply. When such messages are not processed, they may not be included in any IC message detail provided to the IC.

(c) A record of IC call details is required to provide Message Processing Service. Where an IC subscribes to Recording Service as set forth in 8.1 preceding, those recorded details may be used as the input. Where the IC provides the call details, the records must be in the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. The charges as set forth in (G)(12) following will apply if the IC data-transmits its call details to the Telephone Company.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(1) Message Processing Service (Continued)

(e) Upon acceptance by the Telephone company of a Special Order for Message Processing Service from an IC, the Telephone Company will determine the period of time to implement such service on an individual order basis.

(f) Changes in the rate levels of IC charges to be billed will normally be implemented within 30 days after receipt of a Special Order from the IC requesting such changes. Such changes will require modifications of the rating program. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary program changes. If any IC message detail must be reprocessed in order to apply the rate changes, the appropriate message processing charges as set forth in (G)(1) and (G)(2) following apply for all IC messages reprocessed.

(g) Changes in the rate structure for IC services to be billed also require a change in the rating program. When the Telephone Company determines that it can accommodate the changes, the conditions and the period of time required to make such changes will be determined on an individual order basis. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary program changes. If any IC message detail must be reprocessed in order to apply the rate structure changes, the appropriate message processing charges as set forth in (G)(1) and (G)(2) following apply for all IC messages reprocessed.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

**(1) Message Processing Service (Continued)**

(h) Where the Telephone Company has rated IC messages which are to be billed to an end user by another exchange telephone company, the Telephone Company will enter the IC messages on a magnetic tape or data file which can be used for data transmission of the details. When the IC has so arranged with an involved exchange telephone company, the Telephone Company will transmit the rated IC message details to such other exchange telephone company for billing to end users in its operating territories. When the IC does not have billing arrangements with an exchange telephone company, rated IC messages for such an exchange telephone company will be delivered to the IC. The charges as set forth in (G)(4) following apply to rated IC messages that are data-transmitted to the other exchange telephone companies. The charges as set forth in (G)(5) following apply to rated IC messages that are delivered to the IC. When the IC message details are data-transmitted to the IC location, the data transmission charges will be determined on an individual basis. Program development charges as set forth in (G)(3) following apply for the hours required to design, develop, test and maintain the necessary programs.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

**(1) Message Processing Service (Continued)**

(i) Where the rates for IC services have been implemented under an accounting order pending final approval from a regulatory agency, the Telephone Company will, upon written request from the IC, keep such records as may be required to make any adjustments to the end users as may be ordered by the regulatory agency. The charges for such a service will be determined on an individual case basis.

(j) The Telephone Company will, upon request, provide the IC the rated IC message detail.

The rated IC message detail will be provided on a request by request basis in a format similar to that used by the Telephone Company as input to Bill Processing Service. All rated IC message detail available to the Telephone Company will be provided to the IC. The rated IC message detail will not be sorted to furnish detail by specific end users, groups of end users, by office or by location.

The Telephone Company will provide the IC detail on a magnetic tape. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the magnetic tapes. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary programs. When a magnetic tape is provided, the charges as set forth in (G)(5) following also apply.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(1) Message Processing Service (Continued)

(j) (Continued)

Unless specified otherwise by the IC, the magnetic tapes will be sent to the IC using first class U.S. mail service. However, the IC may pick up the magnetic tapes at a location designated by the Telephone Company or request the information on the magnetic tapes be data-transmitted to the IC. When the information is data-transmitted to an IC location, the data transmission charges will be determined on an individual case basis.

(k) If the IC makes a request within 30 days of the date the IC details were initially made available to the IC, the Telephone Company will make a reasonable effort to recover the IC detail and make it available again to the IC. The charges as set forth in (G)(5) will apply for all such IC detail provided. When the IC details are data-transmitted to an IC location, the data transmission charges will be determined on an individual case basis.

(l) IC messages which the Telephone Company processes that cannot be rated in accordance with the IC rate schedule will be reviewed by telephone company message investigation groups. Upon completion of the review, rated IC messages will be delivered to the IC when the IC orders such service or to Bill Processing Service when the IC orders such service. Unrated messages will be handled in accordance with instructions that have been mutually determined by the Telephone Company and the IC.

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**ACCESS SERVICE**

- 8. **Billing and Collection Services** (Continued)
- 8.2 **Billing Service** (Continued)
- 8.2.1 **Message Billing Service** (Continued)
  - (B) **Undertaking of the Telephone Company** (Continued)
    - (2) **Bill Processing Service** (Continued)
      - (c) (Continued)

The Telephone Company will specify the information it requires to issue a credit card and the format to be used by the IC in furnishing such information. The charges as set forth in (G)(13) following apply. Plastic coated paper cards will be distributed unless the IC requests another type of card be provided. Charges to prepare and distribute other such cards will be developed on an individual case basis. When it becomes necessary as determined by the Telephone Company, to change the credit card number or discontinue the billing of credit card calls to an end user account because of nonpayment of charges or unauthorized use of telephone company and IC service offerings, the Telephone Company will notify the IC. The Telephone Company will provide the IC the credit card number, associated end user account name and billing address for the credit card number change or billing discontinued. All charges for calls associated with such a discontinued credit card after the IC has been notified will become the responsibility of the IC. End user questions concerning the issuing of IC credit cards will not be handled by the Telephone Company.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(2) Bill Processing Service (Continued)

(d) Rated IC messages are required to provide Bill Processing Service. If the IC subscribes to Message Processing Service as set forth in (1) preceding, the rated IC messages may be used as the input. If the IC provides the rated IC messages, those IC messages must be in the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. The charges as set forth in (G)(12) following apply if the IC data-transmits its rated message data to the Telephone Company. (T)

Such IC provided rated message data must identify the end user account to be billed. If the IC provided rated messages must be converted by the Telephone Company to the standard format and the Telephone Company agrees to make the conversion, program development charges as set forth in (G)(3) following apply for the hours required to design, develop, test and maintain the necessary programs. The assembling and editing charge, as set forth in 8.1.7(B) preceding, applies in addition to all other charges for all such rated IC messages converted by the Telephone Company. The Telephone Company will provide to the IC the precise details of the required format. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will notify the involved ICs six months prior to the change. If the IC requests the IC provided rated IC messages be reprocessed by the Telephone Company because of an IC error, the Telephone Company will reprocess the IC provided rated IC messages and the appropriate charges as set forth in (G) following will apply.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(2) Bill Processing Service (Continued)

(e) For end user accounts in its operating territory where the IC has ordered Bill Processing Service, the Telephone Company will bill all rated IC messages provided by the IC. The bill format will be determined by the Telephone Company.

(f) Upon acceptance by the Telephone Company of a Special Order for Bill Processing Service from an IC, the Telephone Company will determine the conditions and the period of time to implement such service on an individual order basis. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary programs including any programs to rate, change the rates of or change the rate structure of any rate elements associated with the IC services.

(g) The Telephone Company will provide Bill Processing Service only on the condition that (1) it purchases the accounts receivable from the IC as set forth in 8.2.3 following or (2) the Telephone Company agrees to act as billing agent for the IC.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(2) Bill Processing Service (Continued)

(h) The Telephone Company will not provide any information related to Bill Processing Service accounts under this section of the tariff. Bill Processing Services information may be obtained as set forth in 8.4 following.

(i) The Telephone Company will, at the option of the IC, provide message-billed Bill Processing Service with or without inquiry and bulk-billed Bill Processing Service with or without inquiry. When the Telephone Company provides inquiry, the Telephone Company will be responsible for contacts and arrangements with the IC's end users concerning the billing, collecting, crediting and adjusting of the IC service charges, except prior IC balances due from end users, in accordance with written instructions furnished by the IC. At the request of the IC when the IC has ordered inquiry, the billed IC messages which are removed from an end user's bill in accordance with IC inquiry instructions will be reviewed for unauthorized use of IC service by telephone company message investigation groups for a period of up to 90 days after the billed IC message has been removed from an end user's bill. For any billed IC messages removed from an end user's bill in accordance with IC inquiry instructions, the Telephone Company will make appropriate adjustments to the IC's accounts receivable.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(B) Undertaking of the Telephone Company (Continued)

(2) Bill Processing Service (Continued)

(i) (Continued)

When the Telephone Company provides Bill Processing Service without inquiry, all contacts from IC end users concerning the IC billed amounts will be referred to the IC, and the Telephone Company will only be responsible for contracts with IC's end users concerning the collection of IC service deposits and charges, except prior IC balances due from end users. Inquiry will only be provided when the IC is provided Bill Processing Service at the same time for the same state operating area.

(j) The Telephone Company will accept IC gift certificates for payment from end users if the IC agrees in writing to redeem all such gift certificates. The format of the gift certificate must be acceptable to the Telephone Company.

(k) Rated IC messages input to Bill Processing Service which the Telephone Company cannot bill for any reason will be reviewed by the telephone company's message investigation groups. Upon completion of the review, the billable messages will be posted and the appropriate charges, as set forth in (G)(7) and (G)(8) following, will apply. Unbillable messages will be handled in accordance with instructions that have been mutually determined by the telephone company and the IC. At the request of the IC, the rated IC messages which cannot be billed to an end user will be reviewed for unauthorized use of IC service by telephone company message investigation groups for a period of up to 90 days after the rated IC message was processed.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

**(3) Message Billing Service Ordering**

- (a) The Telephone Company will provide Message Billing Services under a Special Order. For all Message Billing Service, other than establishment of or changes to end user account data (including credit card data), establishment of or changes to end user account rate elements and changes to end user balances due, the Message Billing Service Special Order charge as set forth in (G)(14) following will apply to orders accepted by the Telephone Company. The format of this Special Order will be specified by the Telephone Company.
- (b) The Telephone Company will arrange with the IC to accept under a Special Order end user account information to establish and change end user account data (including credit card data), establish and change end user account rate elements and change end user balances due. The methods, procedures and manner in which the end user account data and changes are forwarded to the Telephone Company must be agreeable to the Telephone Company. The charges to handle such Special Orders will be determined on an individual case basis.

**(C) Liability of the Telephone Company**

Notwithstanding liabilities identified in Section 2.0 preceding, the Telephone Company liability for Message Billing Service is as follows:

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(C) Liability of the Telephone Company (Continued)

- (1) If Bill Processing Service detail is not available because the Telephone Company lost or damaged records or incurred processing outages, the Telephone Company will attempt to recover the lost IC detail. If the lost IC detail cannot be recovered and the Telephone Company recorded the details, the IC detail and the extent of the Telephone Company's liability for damages will be as set forth in 8.1.(A) preceding. If the lost IC detail cannot be recovered and the IC provided the detail, the IC will be requested to resupply the detail. If the IC cannot resupply the detail, the detail and the extent of the Telephone Company's liability for damages will be as set forth in 8.1.3(A) preceding. This recovered detail will be included in message detail provided to the IC when the IC orders such service and any recovered IC messages will be billed.
  
- (2) When the Telephone Company is notified that, due to its error or omission, incomplete IC detail has been provided, as set forth in 8.2.1(B)(1)(i) preceding and/or 8.4 following, to an IC, the Telephone Company will make a reasonable effort to recover and provide the IC detail to the IC at no additional charge. Such request to recover the IC detail must be made within 30 days from the date the IC detail was initially made available to the IC. If the detail cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in 8.1.3(A) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(D) Obligations of the IC (Continued)

(1) (Continued)

The IC may order inquiry for a service period that is different from that for Bill Processing. However, the IC shall not order inquiry unless it also has ordered Bill Processing Service for the same period and the same state operating area. Not later than six months prior to the end of an order period, the IC shall notify the Telephone Company in writing if any service is to be discontinued at the end of the period. If no notice is received from the IC, the Telephone Company will automatically extend the services for another year, using the most recent 12 months of capacity provided. The IC will be notified by the Telephone Company when such an extension is made. All appropriate charges, as set forth in (G) following, for another year will apply and the minimum charges will be based on the most recent 12 months of message capacity and/or bill capacity provided.

(2) When Message Processing Service is ordered, the IC shall furnish the Telephone Company, for each year in the order, an estimate of the number of messages (message capacity), including those messages which will be bulk billed, to be processed.

In addition, when Bill Processing Service is ordered, the IC shall furnish the Telephone Company, for each state and for each year in the order, an estimate of the number of message-billed and/or bulk-billed messages (bill capacity) for which billing is to be provided. Separate estimates shall be furnished by message-billed messages and bulk-billed messages.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(D) Obligations of the IC (Continued)

- (2) The capacity estimate for inquiry for each state and each year shall be the same as that for message-billed and/or bulk-billed messages.
- (3) The IC shall furnish all information necessary for the Telephone Company to provide the Message Billing Service, including any per month service charges applicable to an end user and an affidavit that states whether the IC service is subject to any Federal taxes and/or State taxes. When IC messages are to be billed by an entity other than the Telephone Company, the IC shall furnish written instructions as to how the rated IC messages are to be provided to that other entity. If the IC does not furnish complete instructions, all resulting unbillable messages will be delivered to the IC. The information shall be furnished by the IC in a timely manner.
- (4) The IC shall furnish to the Telephone Company a written schedule of its rates and charges in sufficient time to allow the Telephone Company to establish a rating program. The IC's rate structure must be consistent with established telephone company rating methodologies. The interval required to establish a rating program must be mutually agreeable to the Telephone Company and the IC.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(D) Obligations of the IC (Continued)

- (5) When the IC orders Bill Processing Service, it shall authorize the Telephone Company in writing to deny service to end users for nonpayment. If that authorization is not received, Bill Processing Service will not be provided.
- (6) The IC shall be responsible for all contact and arrangements, including prior IC balances due from end users, with its end users concerning the provision and maintenance of the IC's service.
- (7) When the IC orders message-billed or bulk-billed Bill Processing Service with inquiry, the IC shall furnish to the Telephone Company written instructions, which are agreeable to the Telephone Company, for the handling of end user questions about bills.

When the IC orders message-billed or bulk-billed Bill Processing Service without inquiry, the IC shall furnish the Telephone Company with written instructions as to where inquiries are to be referred.

When the IC does not order inquiry service and desires credit adjustments be made to the end user balance due, the IC shall furnish a statement for each end user account where the credit is desired. These statements shall show the IC message, the date the IC message was billed and the amount of the credit. These statements shall be furnished to the Telephone Company under a Special Order as set forth in (B)(3)(b) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(E) Payment Arrangements and Audit Provision

(1) Audit Provision

Upon written notice by the IC to the Telephone Company, the IC shall have the right, through its authorized representative, to examine and audit, during normal business hours and at reasonable intervals determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the amount payable to the IC. Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

Any information received or reviewed by the IC or its authorized representative during the audit is to be considered confidential and not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(E) Payment Arrangements and Audit Provision (Continued)

(2) Minimum Period

The minimum period for which Message Billing Service is provided and for which charges apply is one year. If the IC orders Message Processing Service and/or Bill Processing Service for 3 or 5 years, then the minimum period and the period for which charges apply is that period ordered by the IC. A minimum period of 1, 3 or 5 years, as ordered by the IC, applies for each additional period of service ordered.

If the service is discontinued prior to the end of the period ordered, monthly charges apply for each remaining month and fraction of a month. The monthly charge will be one-twelfth of the minimum yearly charge.

(3) Minimum Order Capacities and Minimum Yearly Charges

Message Billing Service is subject to minimum order capacities and minimum yearly charges. The minimum order capacities are the message capacity and bill capacity as specified in (a) following. The minimum yearly charge as specified in (b) or (c) following, whichever is higher, shall apply.

- (a) The message capacity ordered by the IC for any year in a 3 or 5 year order for Message Processing Service shall not be lower than 25 percent of the largest message capacity ordered for any year in a 3 or 5 year order.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(E) Payment Arrangements and Audit Provision (Continued)

(3) Minimum Order Capacities and Minimum Yearly Charges (Continued)

(b) (Continued)

The minimum yearly charge for message-billed messages and bulk-billed messages will be determined separately based on the estimates the IC furnishes as set forth in (D)(2) and (a) preceding. The appropriate Bill Processing Service message-billed rate is the average of the message-billed rates as set forth in (G)(7) following for the specific message-billed service year period ordered. The appropriate Bill Processing Service bulk-billed rate is the bulk-billed rate as set forth in (G)(7) following for the specific bulk-billed service year period ordered.

For inquiry, the minimum yearly charge for message-billed inquiry and bulk-billed inquiry will be determined separately. For message-billed inquiry, the minimum yearly charge is the product of the message-billed bill capacity for the year furnished by the IC as set forth in (D)(2) and (a) preceding and the appropriate message-billed inquiry rate times 0.9. For bulk-billed inquiry, the minimum yearly charge is the product of the bulk-billed bill capacity for the year furnished by the IC as set forth in (D)(2) and (a) preceding and the appropriate bulk-billed inquiry rate times 0.9.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(E) Payment Arrangements and Audit Provision (Continued)

(3) Minimum Order Capacities and Minimum Yearly Charges (Continued)

(b) (Continued)

The appropriate message-billed inquiry rate is the average of the message-billed inquiry rates as set forth in (G)(7) following for the year period ordered. The appropriate bulk-billed inquiry rate is the bulk-billed inquiry rate as set forth in (G)(7) following for the year period ordered.

(c) For Message Processing Service, the minimum yearly charge is the difference of the message capacity per year furnished by the IC as set forth in (D)(2) and (a) preceding and the year allowance times the appropriate Message Processing Service rate. The year allowance will be determined by the Telephone Company and will be the total IC messages for all ICs processed by the telephone company in the calendar year prior to the year for the minimum yearly charge times 0.05. The appropriate Message Processing Service rate is the Message Processing Service rate as set forth in (G)(1) following for the specific year period ordered.

For Bill Processing Service, the minimum yearly charge is the difference of the message-billed bill capacity plus the bulk-billed bill capacity for the year furnished by the IC as set forth in (D) (2) and (a) preceding and the year allowance times the appropriate Bill Processing Service message-billed or bulk-billed rate.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(E) Payment Arrangements and Audit Provision (Continued)

(3) Minimum Order Capacities and Minimum Yearly Charges (Continued)

(c) (Continued)

The minimum yearly charge for message-billed messages and bulk-billed messages will be determined separately based on the estimates the IC furnishes as set forth in (D)(2) and (a) preceding and a prorate of the allowance. The allowance will be prorated using the ratio of the message-billed bill capacity furnished by the IC to the bulk-billed bill capacity furnished by the IC for the year for which the minimum yearly charge is determined. The year allowance will be determined by the Telephone Company and will be the total IC messages for all ICs billed by the Telephone Company in the calendar year prior to the year for the minimum yearly charge times 0.05. The appropriate Bill Processing service message-billed rate is the average of the message-billed rate as set forth in (G)(7) following for the year period ordered. The appropriate Bill Processing Service bulk-billed rate is the bulk-billed rate as set forth in (G)(7) following for the year period ordered.

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**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(F) Rate Regulations (Continued)

(1) (Continued)

For the purpose of determining the charges applicable to bulk-billed service for Bill Processing Service, a bulk-billed message is an IC message which is used by the Telephone Company to develop the IC bulk-billed charge.

- (2) During any yearly period in which the actual IC messages processed and/or billed exceeds the message capacity as stated in the following, additional charges apply. For Message Processing Service, for each IC message processed that exceeds (a) 110 percent of the message capacity ordered for the year or (b) the message capacity ordered plus the year allowance, whichever of (a) or (b) is lower, the appropriate charges for the specific service ordered as set forth in (G)(1) and (G)(2) following apply. The year allowance is the quantity determined as set forth in (E)(3)(c) preceding.

For Bill Processing Service, for each message-billed IC message processed that exceeds (a) 110 percent of the message-billed bill capacity ordered or (b) the message-billed bill capacity plus the prorated allowance, whichever of (a) or (b) is lower, the appropriate charges for the specific service ordered as set forth in (G)(7) and (G)(8) following apply. The prorated allowance is the quantity determined as set forth in (E)(3)(c) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(F) Rate Regulations (Continued)

(5) (Continued)

A record is a logical grouping of information as described in the program that processes the information and loads the magnetic tape or data file used to supply the message detail which is data-transmitted. The Telephone Company will determine this charge based on its count of the records transmitted.

(6) When message detail is data-transmitted to or received from an IC location by the Telephone Company, a charge, as set forth in (G)(6) and/or (G)(2) following, on a per record basis will apply. A record is a logical grouping of information as described in the program that processes the information and loads the magnetic tape or data file used to supply the message detail which is data-transmitted. The Telephone Company will determine this charge based on its count of the records transmitted and/or received.

(7) The Message Billing Service Special Order charge applies for each Special Order for Message Processing Service and/or Bill Processing Service, other than establishment of or changes to end user account data (including credit card data), establishment of or changes to end user account rate elements and changes to end user balances due, accepted by the Telephone Company.

The End User account activity charges apply whenever an IC Special Order requests end user account data be established or changed, nonrecurring or recurring IC rate element be added or changed in an end user account and/or an end user balance due be changed.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(F) Rate Regulations (Continued)

(7) (Continued)

An end user account is a record for message-billed service or a bulk-billed service which has a unique name and address and billing identification number, assigned by the Telephone Company, to which a bill is rendered.

The end user account activity Special Order charge always applies and the end user account establishment and change charge, end user account rate element rate level change charge or the end user account rate element rate structure change charge may apply depending on the activity ordered by the IC as set forth in (a), (b), (c) and (d) following.

(a) The end user account activity Special Order charge applies whenever the IC furnishes to the Telephone Company end user account information that establishes or changes the information, rates or balance due associated with an end user account.

(b) The end user account establishment and change charge applies whenever IC furnished information is used by the Telephone Company to establish or change end user account data or rate elements, or balances due, except for information to change end user account rate element rate levels or rate structure. End user account rate element rate level and rate structure change charges are applied as set forth in (c) and (d) following.

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(F) Rate Regulations (Continued)

(7) (Continued)

(d) The end user account rate element rate structure change charge applies whenever IC furnished information is used by the Telephone Company to change an end user account rate element rate structure. The charges to make the end user account rate element rate structure changes will be determined on an individual case basis.

(8) When message detail is entered on a data file or magnetic tape to be provided to an IC, the per tape charge applies for each data file or tape prepared and the per record charge applies for each record processed. A record is a logical grouping of information as described in the programs that process the information and load the magnetic tapes or data file. The Telephone Company will determine the charges based on the number of data files or tapes prepared and on its count of the records processed. The number of records processed will be determined using the number of records input to or the number of records output from the programs that process the information and load the magnetic tapes or data file whichever number of records is higher.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(F) Rate Regulations (Continued)

- (9) The rates as set forth in (G)(7) apply for Bill Processing Service for an IC message-billed service depending on the total (i.e., sum of interstate and intrastate IC messages) number of messages billed for an end user account per month. The rate groups are 1 to 10 messages per month, 11 to 100 messages per month, 101 to 600 messages per month and over 600 messages per month. The rate of the largest number of IC messages billed for the end user account in a month will be used to determine the Bill Processing Service charges for that end user account for the month. The Telephone Company will determine the charges based on its count of IC messages billed each bill day to an end user account.
  
- (10) When the Telephone Company receives an order from the IC to issue one or more IC credit card(s) to an end user, Special Order and Credit Card Issuance preparation and distribution charges apply. If the IC requests another card to be issued for any reason, the preparation and distribution charges apply. If for any reason the IC requests a change to be made in the credit card information maintained on an end user account by the Telephone Company, including the marking of the account to show issuance of a credit card by the IC or discontinuance of an existing card, and the IC does not request the distribution of a credit card, only the preparation charge applies. The Telephone Company will determine the charges based on its record of the Special Orders to prepare and distribute IC credit cards received from the IC.

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(G) Rates and Charges (Continued)

InterLATA (Continued)

Rates

(3) Program Development,

- Basic, per hour  
 (applicable to work per-  
 formed within the Tele-  
 phone Company's normal  
 work schedule and using  
 the normal work force)

ICB rates  
 and charges  
 apply

- Premium, per hour  
 (applicable to work per-  
 formed outside the Tele-  
 phone Company's normal  
 work schedule and/or  
 which requires additions  
 to the work force)

ICB rates  
 and charges  
 apply

(4) Data transmission of rated IC  
 messages detail between other  
 exchange telephone company  
 locations,

- per record transmitted

ICB rates  
 and charges  
 apply

- per record received

ICB rates  
 and charges  
 apply

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(G) Rates and Charges (Continued)

Rates

InterLATA (Continued)

- (12) Data transmission from an IC location of Message Billing Service detail or information,
  - per record received

ICB rates and charges apply

- (13) Credit Card Issuance,
  - preparation, per end user account
  - distribution, per card

\*  
 ICB rates and charges apply

- (14) Message Billing Service Special Order Charge,
  - per Special Order

\$20.00

- (15) Retention of Records Under Accounting Orders,
  - per order per month

ICB rates and charges apply

\* Rates for these offerings are included in the Bill Processing Service message-billed processing and bulk-billed processing rates, as appropriate, set forth in (7) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(G) Rates and Charges (Continued)

The rates and charges are:  
 IntraLATA

	<u>Rates</u>
(1) Message Processing Service	*
- 1 year period, per message	*
- 3 year period, per message	*
- 5 year period, per message	*
(2) Additional Message Processing,	
- per message above the message	
capacity ordered and allowance specified	#

\* The Message Processing Service rate for each specific offering is included in the appropriate Bill Processing Service rate set forth in (7) following.

# The Additional Message Processing rate is included in the Additional Bill Processing message-billed processing rate or bulk-billed processing rate, as appropriate, set forth in (7) following.

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(G) Rates and Charges (Continued)

IntraLATA (Continued)

Rates

(3) Program Development,

- Basic, per hour  
 (applicable to work per-  
 formed within the Tele-  
 phone Company's normal  
 work schedule and using  
 the normal work force)

ICB rates  
 and charges  
 apply

- Premium, per hour  
 (applicable to work per-  
 formed outside the Tele-  
 phone Company's normal  
 work schedule and/or  
 which requires additions  
 to the work force)

ICB rates

(4) Date transmission of rated IC  
 messages detail between other  
 exchange telephone company  
 locations,

- per record transmitted

ICB rates  
 and charges  
 apply

- per record received

ICB rates  
 and charges  
 apply

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(G) Rates and Charges (Continued)

(4) (Continued)

- per record received

Rates

ICB rates  
and charges  
apply

(5) Provision of rated IC  
message detail,  
- per record processed

ICB rates  
and charges  
apply

- per tape or data file

ICB rates  
and charges  
apply

(6) Data transmission to an IC  
location of rated IC  
message details,  
- per record transmitted

ICB rates  
and charges  
apply

(7) Bill Processing Service,

Rates			
Messages per End User Account Per Month			
1 to 10	11 to 100	101 to 600	Over 600

message-billed processing,  
 - 1 year period, per message  
 - 3 year period, per message  
 - 5 year period, per message

\$0.1243	\$0.1243	\$0.1243	\$0.1243
ICB	ICB	ICB	ICB
ICB	ICB	ICB	ICB

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(G) Rates and Charges (Continued)

(7) Bill Processing Service, (Continued)

	<u>Rates</u>			
	<u>Messages per End User</u>			
	<u>Account Per Month</u>			
	<u>1 to</u>	<u>11 to</u>	<u>101 to</u>	<u>Over</u>
	<u>10</u>	<u>100</u>	<u>600</u>	<u>600</u>
message-billed inquiry,				
- 1 year period, per message	*	*	*	*
- 3 year period, per message	*	*	*	*
- 5 year period, per message	*	*	*	*
				<u>Rate</u>
bulk-billed processing,				
- 1 year period, per message				\$0.1243
- 3 year period, per message				ICB rates and charges apply
- 5 year period, per message				ICB rates and charges apply

\* The message-billed inquiry rate is included in the appropriate message-billed processing rate set forth preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.1 Message Billing Service (Continued)**

(G) Rates and Charges (Continued)

(7) Bill Processing Service, (Continued)

Rates

bulk-billed inquiry,

- 1 year period, per message

#

- 3 year period, per message

#

- 5 year period, per message

#

(8) Additional Bill Processing,  
 per message above the bill  
 capacity ordered and allowance specified,

- message-billed processing, each

\$0.1243

- message-billed inquiry, each

\*

- bulk-billed processing, each

0.1243

- bulk-billed inquiry, each

\*

(9) Message-Billed Service, in which  
 one or more messages or message  
 service related rate elements are billed,  
 - per bill rendered for an end user account

\*\*

\* The Additional Bill Processing inquiry rate is included in the appropriate Additional Bill Processing rate set forth preceding.

# The bulk-billed inquiry rate is included in the appropriate bulk-billed processing rate set forth preceding.

\*\* Included in the appropriate message-billed processing rate set forth in (7) preceding.

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.1 Message Billing Service (Continued)

(G) Rates and Charges (Continued)

Rates

IntraLATA (Continued)

- (12) Data transmission from an IC location of Message Billing Service detail or information,
  - per record received

ICB rates and charges apply

- (13) Credit Card Issuance,
  - preparation, per end user account
  - distribution, per card

\*  
 ICB rates and charges apply

- (14) Message Billing Service Special Order Charge,
  - per Special Order

\$20.00

- (15) Retention of Records Under Accounting Orders,
  - per order per month

ICB rates and charges apply

\* Rates for these offerings are included in the Bill Processing Service message-billed processing and bulk-billed processing rates, as appropriate, set forth in (7) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

- (3) The Telephone Company will develop the IC's schedule of rates and charges into a rating program. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary programs.
- (4) Upon acceptance by the Telephone Company of a Special Order for Private Line Billing Service from an IC, the Telephone Company will determine the period of time to implement such service on an individual case basis.
- (5) Changes in the rate levels of IC services to be billed will normally be implemented within 60 days after receipt of a Special Order from the IC requesting such changes. Such changes will require modifications of the rating program. Program development charges, set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary program changes.
- (6) Changes in the rate structure of the IC services to be billed also require a change in the rating programs. When the Telephone Company determines that it can accommodate the changes, the conditions and the period of time required to make such changes will be determined on an individual case basis. Program development charges, as set forth in (G)(3) following, apply for the hours required to design, develop, test and maintain the necessary program changes.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

- (7) The Telephone Company will not provide any information related to Private Line Billing Service accounts under this section of the tariff. Private Line Billing Service information may be obtained as set forth in 8.3 following.
- (8) The Telephone Company will, at the option of the IC, provide Private Line Billing with or without inquiry. When the Telephone Company provides Private Line Billing with inquiry, the Telephone Company will be responsible for contacts and arrangements with the IC's end users concerning the billing, collecting, crediting and adjusting of the IC service charges, except prior IC balances due from end users, in accordance with written instructions furnished by the IC. At the request of the IC, the billed IC charges which are removed from the end user bill in accordance with the IC inquiry instructions will be reviewed for unauthorized use of the IC service by telephone company message investigation groups for a period of up to 90 days after the billed IC charges have been removed from the end user's bill. For any billed IC charges which are removed from an end user's balance due in accordance with the IC's instructions, the Telephone Company will make an appropriate adjustment to the IC's accounts receivable. When the Telephone Company provides Private Line Billing without inquiry, all contacts from IC end users concerning the IC's billed amounts will be referred to the IC and the Telephone Company will only be responsible for contacts with IC's end users concerning the collection of IC service charges, except prior IC balances due from end users. Inquiry will only be provided for those end user accounts for which the IC has ordered Private Line Billing.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

- (9) When the Telephone Company encounters bills which are to be rendered to end users or end user billing addresses not located in the Telephone Company's operating territory or in a state where Private Line Billing Service has not been ordered, such bills will be handled as follows:
  - (a) If the bill to the end user is for a service for which the Telephone Company provides a Special Access Service to the IC and the IC has ordered the appropriate Private Line Billing Service, the Telephone Company will bill the end user.
  - (b) In all other situations, the bill will be delivered to the IC and the IC shall be responsible to furnish an accounts receivable adjustment to the Telephone Company as set forth in 8.2.3 following.
- (10) The Telephone Company will accept IC gift certificates for payment from end users if the IC agrees in writing to redeem all such gift certificates. The format of the gift certificates must be acceptable to Telephone Company.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

**(B) Undertaking of the Telephone Company (Continued)**

(14) If the IC requests the Private Line bills be reprocessed by the Telephone Company because of an IC error, the Telephone Company will treat the reprocessing as a rate level or rate structure change. Determination of whether the reprocessing is a rate level change or rate structure change will be made by the Telephone Company based on the Special Order the Telephone Company receives from the IC. All appropriate charges as set forth in (G) following will apply.

**(C) Liability of the Telephone Company**

Notwithstanding liabilities identified in Section 2.0 preceding, the Telephone Company liability for Private Line Billing Service is as follows:

(1) If Private Line Billing detail is not available because the Telephone Company lost or damaged records or incurred processing system outages, the Telephone Company will recover the lost detail based on previously received information. This recovered detail will be provided to the IC if the IC has ordered the appropriate Billing Information Service as set forth in 8.3 following. If the detail cannot be recovered, the extent of the Telephone Company's liability for damages will be the known amount not billed or when the amount not billed is unknown, no more than 3 months' charges for the services not billed.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(C) Liability of the Telephone Company (Continued)

- (2) When the Telephone Company is notified that, due to its error or omission, incomplete detail has been provided to the IC when such detail has been ordered as set forth in 8.3 following, the Telephone Company will make a reasonable effort to recover the detail and provide such information to the IC at no additional charge to the IC. Such request to recover the detail must be made within 30 days from the date the details were initially made available to the IC. If the detail cannot be recovered, the extent of the Telephone Company's liability for damages will be the known amount not billed or when the amount not billed is unknown, no more than 3 months charges for the services not billed.
  
- (3) If the Telephone Company finds, or is notified of, an error in billing to an end user, it will make a reasonable effort to correct the error and bill the appropriate end user within the limits permitted by laws of the state in which it provides the service. If the error is caused by the Telephone Company, and the Telephone Company cannot timely bill the proper end user, the extent of the Telephone Company's liability for damages will be the known amount misbilled or when the amount misbilled is unknown, no more than 3 months charges for the services misbilled.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(C) Liability of the Telephone Company (Continued)

- (4) In the absence of willful misconduct, no liability for damages to the IC or other person or entity other than that as set forth in (1), (2) and (3) preceding shall attach to the Telephone Company for its action or the conduct of its employees in providing Private Line Billing Service.

(D) Obligations of the IC

- (1) The IC shall order Private Line Billing Service under a Special Order for each state where service is desired.

When Private Line Billing Service is ordered initially, the IC shall order the service for at least one year. Thereafter, upon six months written notice, additional service may be ordered for a minimum of one year and the rates and charges as set forth in (G) following will apply. Not later than six months prior to the end of an order period, the IC shall notify the Telephone Company in writing if service is to be discontinued at the end of the period. If no notice is received from the IC, the Telephone Company will automatically extend the service for an additional year, using the most recent 12 months of bill capacity provided. All appropriate rates and charges as set forth in (G) following for another year will apply and the minimum monthly charges will be based on the most recent 12 months of bill capacity provided. The IC will be notified by the Telephone Company when such an extension is made.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

**(E) Payment Arrangements and Audit Provisions (Continued)**

**(1) Audit Provisions (Continued)**

Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the IC or its authorized representative is to be considered confidential and not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

**(2) Minimum Periods**

The minimum period for which Private Line Billing Service is provided, and for which charges apply, is one year.

A minimum period of one year applies for each additional period of service ordered.

When service is discontinued prior to the expiration of a minimum period, the minimum monthly charge is applicable for each month and fraction of month remaining in the minimum period.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(E) Payment Arrangements and Audit Provisions (Continued)

(3) Minimum Monthly Charges

- (a) During the initial year minimum period, there is a minimum monthly charge based on the IC's estimate of the number of bills to be rendered during that period. The minimum monthly charge is the charge for Bill Rendering, as set forth in (G)(2) following, for 75 percent of the monthly volume. The monthly volume is 1/12 of the bill capacity ordered during the initial year.

If the actual monthly volume during any consecutive three-month period exceeds 1/12 of the bill capacity ordered by 50 percent or more per month, a new minimum monthly charge will be established. The new charge is the charge for Bill Rendering, as set forth in (G)(2) following, for the monthly average of the actual volume used during those three months.

- (b) During each additional yearly minimum period, the minimum monthly charge is the charge for Bill Rendering, as set forth in (G)(2) following, for the monthly average of the actual volume of bills rendered during the previous 12 months.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(E) Payment Arrangements and Audit Provisions (Continued)

(5) Changes to Special Orders

When an IC requests changes to a pending Special Order for Private Line Billing Service, such changes will be undertaken if they can be accommodated by the Telephone Company. A charge equal to any costs incurred by the Telephone Company because of the change will apply.

(F) Rate Regulations

(1) The Private Line Billing Service Special Order charge applies for each Special Order for Private Line Billing Service, other than establishment of or changes to end user account data, establishment of or changes to end user account rate elements or changes to end user balances due, accepted by the telephone company.

(2) The end user account activity charge applies whenever an end user account is established or changed pursuant to a Special Order from an IC and/or whenever a nonrecurring or recurring IC rate element or balance due is added to or changed in the account.

An end user account is a record for a Private Line Billing Service which has a unique name and address and billing number identification, assigned by the Telephone Company, to which a bill is rendered.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(F) Rate Regulations (Continued)

(2) (Continued)

- (c) The end user account rate element rate level change charge applies whenever IC furnished information is used by the Telephone Company to change an end user account rate element rate level. The charge applies for each end user account rate element rate level changes.
- (d) The end user account rate element rate structure change charge applies whenever IC furnished information is used by the Telephone Company to change an end user account rate element rate structure. The charges to make the end user account rate element rate structure changes will be determined on an individual case basis.
- (3) The bill rendering charge applies each month that one or more charges is billed by the issuing of a statement to an end user account. When both interstate and state private line service charges are billed by the Telephone Company to the end user on the same bill for the IC, the Bill rendering charge time 0.5 applies each month.
- (4) The basic per hour rate and the premium per hour rate for program development is for the use of one hour of one telephone company programmer's time.

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ACCESS SERVICE

8. Billing and Collection Services (Continued)

8.2 Billing Service (Continued)

8.2.2 Private Line Billing Service (Continued)

(G) Rates and Charges (Continued)

Rates

(1) (Continued)

- End User Account Rate Element Rate Level Change Charge, per rate element changed \*
- End User Account Rate Element Rate Structure Change Charge, per rate element changed ICB rates and charges apply.

(2) - Bill rendering charge, per bill rendered for an end user account \$1.16

(3) Program Development Charge

- Basic, per hour (applicable to work performed within the telephone company's normal work schedule and using the normal work force) ICB rates and charges apply.
- Premium, per hour (applicable to work performed outside the telephone company's normal work schedule and/or which requires additions to the work force) ICB rates and charges apply.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.2 Private Line Billing Service (Continued)**

(G) <u>Rates and Charges (Continued)</u>	<u>Rates</u>
(4) Inquiry, - per bill rendered for an end user account	*
(5) Private Line Billing Special Service Order Charge, - per Special Order	\$20.00
(6) Retention of Records Under Accounting Orders - per order per month	ICB rates and charges apply.

**8.2.3 Purchase of Accounts Receivable**

The Telephone Company will, unless the Telephone Company agrees to act as billing agent for the IC, purchase from the IC its accounts receivable that arise from bills rendered by the Telephone Company to that IC's end users. The purchase of accounts receivable will be limited to amounts due the IC when the Telephone Company provides Bill Processing Service and/or Private Line Billing Service for that IC. After an IC orders Bill Processing Service and/or Private Line Billing Service and the Telephone Company is purchasing the IC's accounts receivable, the IC is prohibited from assigning, transferring, selling, exchanging or giving these accounts receivable to any other entity or person.

\* Rate for this offering is included in the Bill rendering charge rate set forth in (2) preceding.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.3 Purchase of Accounts Receivable (Continued)**

(B) Recourse Adjustments (Continued)

(2) Telephone Company and IC Adjustments (Continued)

Also, each bill day, the Telephone Company may make adjustments to the Total Current Amount Billed to account for additions and subtractions for IC or Telephone Company prior billing period errors.

(3) Uncollectible Adjustments

For each bill day, the Telephone Company will subtract from the Total Current Amount Billed an amount for uncollectibles. Uncollectibles are amounts billed by the Telephone Company to end users on Final Customer Bills that are added to the Uncollectible (realized) Accounts of the telephone company. The Telephone Company will determine the IC amount for uncollectibles for each bill day by multiplying the Total Current Amount Billed by the IC uncollectible factor rounded up to the nearest 1/1000th as determined in (a) or (b) following.

- (a) To determine the IC uncollectible factor, except for the initial three months that Bill Processing Services and/or Private Line Billing Service is provided to the IC, the Telephone Company will determine from its records the dollar amount lawfully billed on Final Customer Bills which, after standard collection efforts are completed, is added to its uncollectible (realized) accounts (uncollectible amount) for bills rendered to end users in the most recent three-month period.

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**ACCESS SERVICE**

- 8. **Billing and Collection Services** (Continued)
- 8.2 **Billing Service** (Continued)
- 8.2.3 **Purchase of Accounts Receivable** (Continued)
  - (B) **Recourse Adjustments** (Continued)
    - (3) **Uncollectible Adjustments** (Continued)
      - (a) (Continued)

This factor will be used by the Telephone Company for the next three-months to determine the IC amount for uncollectibles. Just prior to the end of the three-month period, the Telephone Company will determine a new IC uncollectible factor in the same manner as above for the ensuing three-month period.

- (b) When an IC orders Bill Processing Service and/or Private Line Billing Service, the IC at the time such services are ordered shall provide to the Telephone Company a history of its or its predecessor company's uncollectibles. This history of uncollectibles shall indicate by month its total amounts billed and its uncollectible amounts. The Telephone Company will use these data to develop the IC uncollectible factor for the first three months. To the extent that such IC or its predecessor company data do not exist, then the IC uncollectible factor for the first three-month period will be determined on an individual case basis. The IC uncollectible factor developed either from IC history or on an individual case basis will be used to determine the IC amount for uncollectibles for the first three-month period.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.3 Purchase of Accounts Receivable (Continued)**

**(C) Payments of Net Purchase Amount to the IC**

- (1) The Telephone Company will purchase accounts receivable from the IC on each end user bill day for an amount (purchase amount) which equals the Total Current Amount Billed as set forth in (A) preceding after known adjustments as set forth in (B) preceding have been made. On the date (payment date) determined by adding 31 days to the end user bill day or on the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, the Telephone Company will remit payment to the IC for the purchase amount less additional adjustments as set forth in (B)(1) and (B)(2) preceding (net purchase amount) received by the Telephone Company prior to the payment date. Payment will be made in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the Second Tuesday in November and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for the net purchase amount will be due to the IC as follows:

If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.2 Billing Service (Continued)**

**8.2.3 Purchase of Accounts Receivable (Continued)**

**(D) Netting of IC Access Service Charges and Net Purchase Amounts**

When a payment for IC Access Service Charges under this tariff is due to the Telephone Company from the IC on the same payment date that is net purchase amount is due to the IC from the Telephone Company, the Telephone Company may, with at least a 31 day notice to the IC, net the payment for IC Access Service Charges with the net purchase amount. The Telephone Company will pay the net amount to the IC on the payment date when such net amount is due the IC or require the IC to pay the Telephone Company the net amount when such net amount is due the Telephone Company. If either party does not make the payment on the payment date, a late payment penalty as set forth in (C) preceding or Section 2.0 preceding, whichever is appropriate, applies.

Upon request from the IC, the Telephone Company will provide a copy of its methods and procedures used to determine the amounts named in this section (i.e., 8.2.3 Purchase of Accounts Receivable) to the authorized representative of the IC who is responsible for auditing these amounts.

**8.2.4 Billing Arrangements when the Telephone Company Acts as Billing Agent for the IC**

When the Telephone Company agrees to act as billing agent for the IC, the billing service, payment arrangements and ownership of the accounts receivable will be as follows:

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.2 Undertaking of the Telephone Company (Continued)**

(B) (Continued)

If the IC requires this information in order to bill its services, it shall secure written permission from the end user to obtain the information from the telephone company. The IC shall furnish the Telephone Company the end user's written permission for the information to be released.

(C) Upon request from an IC and when the IC has ordered private line billing service, the Telephone Company will provide information from its CRIS records as follows:

- (1) account detail for a private line end user
- (2) service and equipment detail for a private line end user.

Account detail is data that furnishes the end user name, billing address and billing parameters other than message detail and/or service and equipment detail.

Service and equipment detail is data associated with the IC's rate elements.

A private line end user is an account with rate element detail (for a bill period) or an account which is established, at IC request, as an end user of the IC's private line (nonmessage) services.

Account detail and/or service and equipment detail which is confidential due to legal, national security, end user or other appropriate requirements will not be provided. If the IC requires this information in order to bill its services, it shall secure written permission from the end user to obtain the information from the Telephone Company. The IC shall furnish the Telephone Company the end user's written permission for the information to be released.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.2 Undertaking of the Telephone Company (Continued)**

(E) (Continued)

The Telephone Company will develop the IC's CRIS and DBAS information order into a retrieval and interrogation program. Program development charges, as set forth in 8.3.7 following, apply for the hours required to design, develop, test and maintain the necessary programs.

(F) CRIS and/or DBAS information will be provided on a total file and/or file update basis as follows:

- (1) The total file basis will permit the IC to receive, at the IC's option, all the end user information that is authorized for the IC's use on paper printout, magnetic tape or fiche. The total file output will contain end user information for the current billing period. The billing period will be set by the Telephone Company. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the magnetic tapes. After the information system ordered by the IC is in service, the paper printout, magnetic tape or fiche will be available from the Telephone Company within 10 working days of the IC request.

Program development charges as set forth in 8.3.7 following, apply for the hours required to design, develop, test and maintain the necessary programs that are used to provide the paper output, magnetic tape or fiche.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.2 Undertaking of the Telephone Company (Continued)**

(F) (Continued)

(1) (Continued)

Once available, the paper printout magnetic tape or fiche will be sent to the IC via first class U.S. Mail service. At the option of the IC, the IC may pick up the paper printout, magnetic tape or fiche at a location designated by the Telephone Company or request the information be data-transmitted to the IC. When the information is data-transmitted to the IC, the data transmission charges will be determined on an individual case basis.

(2) The file update basis will permit the IC to receive, at the IC option, all the end user information that is authorized for the IC's use on paper printout, fiche or magnetic tape. The file update output will contain end user information for the current billing period only. The current billing period is the period associated with the most recent bill rendered to an end user. The magnetic tapes will be provided without the return of previously supplied tapes.

The Telephone Company will supply magnetic tapes. The file updates will include those records added and those records deleted, if any (deleted records may not be retained by all the telephone company). For CRIS information, the file updates will be provided on a monthly interval. For DBAS information, the file updates will be provided for each business day.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.2 Undertaking of the Telephone Company (Continued)**

(F) (Continued)

(2) (Continued)

Program development charges as set forth in 8.3.7 following, apply for the hours required to design, develop, test and maintain the necessary programs that are used to provide the paper output, fiche or magnetic tape.

Once available, the file update paper printout, fiche or magnetic tape will be sent to the IC via first class U.S. Mail service. At the option of the IC, the IC may pick up the paper output, fiche or magnetic tape at a location designated by the Telephone Company or request the information be data-transmitted to the IC. When the information is data-transmitted to the IC, the data transmission charges will be determined on an individual case basis.

(3) The total file output and the file update output will, at the option of the IC, be provided on a quick turnaround basis. Such quick turnaround output will be provided one working day after the information that the IC ordered is available. Once available, the output will be provided on paper printout, fiche, or magnetic tape and will be sent to the IC via first class U.S. Mail service. At the option of the IC, the IC may pick up the paper output, fiche or magnetic tape at a location designated by the telephone company or request the information be data-transmitted to the IC. When the information is data-transmitted to the IC, the data transmission charges will be determined on an individual case basis.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.2 Undertaking of the Telephone Company (Continued)**

- (G) The Telephone Company will, at the request of the IC, mark any message-billed message end user account, other than end user accounts with IC credit cards or rate elements, as a user of the IC's message services. After marking is ordered, the end user account will be marked as an IC end user account at the time the first message is posted to the end user account. If not marked at the request of the IC, such an end user account will not be identified as an IC account unless there are IC message details associated with the account for the bill period for which message detail is ordered by the IC. The mark will be removed at the request of the IC. Charges to mark the account and maintain the mark in future months as set forth in 8.3.7(G) following apply. IC bulk-billed end user accounts and message end user accounts with IC credit cards or IC rate elements are counted as IC accounts.
- (H) Upon acceptance by the Telephone Company of a special order for billing information service from an IC, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (I) The Telephone Company will provide the format for interrogation of its data files and the format of any printed, magnetic tape or fiche output from its CRIS and DBAS files.
- (J) Upon request for an authorized supervisor of the IC who furnishes the account code assigned by the Telephone Company, the Telephone Company will provide name and town information from its CNA bureau. The CNA name and town data, but not street address, will be provided only when the IC needs the information to authorize a call, to bill a call, or to handle an emergency situation.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.4 Obligations of the Customer (Continued)**

- (B) With each order, the IC shall identify the authorized individual and address to receive the billing information service output. When interrogation is ordered, the IC shall identify the data processing terminals authorized to receive the information and the authorized individual who will be responsible for all terminal activities. When CNA service is ordered, the IC will identify in writing and include the account codes assigned by the Telephone Company of all authorized individuals who will contact the CNA bureau.
- (C) The IC shall take every effort to make sure that billing information service output and interrogation capability is provided only to authorized personnel. The IC shall agree, in writing to the Telephone Company, that the IC will not provide the billing information service outputs to third parties for any use by such third parties except for work for the IC and which is under complete control of the IC.
- (D) The IC shall furnish, to the Telephone Company, when interrogation service is ordered all information necessary to allow the Telephone Company to establish an interrogation program. In addition, the IC shall furnish the Telephone Company, for each data base and file where the interrogation is ordered, an estimate of the number of requests per business day that the Telephone Company data bases and file will be asked to handle. The IC's terminals used to interrogate the Telephone Company data bases and files must be capable of working with Telephone Company equipment and software.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.5 Payment Arrangements (Continued)**

(B) Cancellation of a Special Order (Continued)

(2) For any service, any expense for equipment obtained for the service where such equipment cannot be reused within six months.

(C) Changes to Special Orders

When the IC requests changes for a pending special order for billing information service, they will be undertaken if they can be accommodated by the Telephone Company. Any additional time required on the part of Telephone Company personnel will be billed to the IC at the appropriate hourly charges.

**8.3.6 Rate Regulations**

(A) The number and type of records for which charges apply as set forth in 8.3.7 following will be accumulated by the Telephone Company and the Telephone Company will bill the IC in accordance with these accumulations. A record is a logical grouping of information as described in the programs that process the information, print the paper output, and load the magnetic tape or data file used to supply the detail which is data-transmitted or put on fiche. For each service and type of output ordered, the number of records processed by the Telephone Company to prepare the output will be used to determine the charges. The number of records processed will be determined using the number of records input to or the number of records output from the programs that process the information, print the paper output and load the magnetic tape or data file, whichever number of records is higher.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.6 Rate Regulations (Continued)**

- (B) The number of hours and fraction thereof for which charges apply as set forth in 8.3.7 following will be accumulated by the Telephone Company. The per hour rate is for the use of one hour of one Telephone Company programmer. The Telephone Company will bill the IC for hourly charges in accordance with these accumulations. The accumulated hours for each order will be summed and rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.
- (C) When a CNA request is received, the Telephone Company will keep a count of the requests. The Telephone Company will bill the IC in accordance with these records even though the Telephone Company was not able to provide a name and town location for all requests.
- (D) When records are entered on a data file or magnetic tape in order to provide information to an IC, the per tape charge applies for each data file or tape prepared. In addition, the per record charge applies for each record entered on the data file or tape. The Telephone Company will determine the charges based on the number of data files or tapes prepared and on its count of the records entered on the data file or tape.
- (E) When marking of message end user accounts is ordered, the marking charge applies for each end user account marked. Once an account is marked, the maintenance of mark charge applies for each month following the month the account is marked until the IC requests the mark be removed. No charges apply to remove the mark.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.7 Rates and Charges (Continued)**

	<u>Rates</u>
(B) DBAS Information Service,	
- Paper output, per record processed	#
- Magnetic tape,	
per record processed	#
per tape or data file	#
- Fiche output, per record processed	#
(C) CRIS File or DBAS File inter-rogation,	
- per requested received	#
(D) Program Development charge,	
- Basic, per hour	ICB rates and
(applicable to work performed	charges apply
within the Telephone Company's	
normal work schedule and using	
the normal work force)	
- Premium, per hour	ICB rates and
(applicable to work performed	charges apply
outside the Telephone Company's	
normal work schedule and/or	
which requires additions to	
the work force)	

# These offerings are only provided where facilities are available. When facilities can be made available with the agreement of the Telephone Company, ICB rates and charges apply.

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**ACCESS SERVICE**

**8. Billing and Collection Services (Continued)**

**8.3 Billing Information Service (Continued)**

**8.3.7 Rates and Charges (Continued)**

	<u>Rates</u>
(E) CNA Information Service	
- CNA interrogation, per request received	*
- CNA interrogation confirmation, per request confirmed	*
(F) Data transmission to an IC location of billing information service details, - per record transmitted	ICB rates and charges apply
(G) Marking of message end user accounts, - marking, per end user account	ICB rates and charges apply
- maintenance of mark, per end user account per month	ICB rates and charges apply
(H) Updating of IC data bases or files - per record transmitted	ICB rates and charges apply
(I) Provision of bill information service - per special order	ICB rates and charges apply

# These offerings are only provided where facilities are available. When facilities can be made available with the agreement of the Telephone Company, ICB rates and charges apply.

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**ACCESS SERVICE**

9. Miscellaneous Services (Continued)

9.1 Additional Engineering (Continued)

9.1.1 Charges for Additional Engineering

The charges for Additional Engineering are as follows:

<u>Additional Engineering Periods</u>	<u>Each Half Hour or Fraction Thereof</u>
(A) Basic Time, normally scheduled working hours, per engineer	\$66.00
<u>Additional Engineering Periods</u>	<u>Each Half Hour of Fraction Thereof</u>
(B) Overtime, outside of normally scheduled working hours, per engineer	\$73.41

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.2 Additional Labor (Continued)**

**9.2.6 Charges for Additional Labor**

The charges for additional labor are as follows:

	Each Half Hour or	Fraction Thereof
<u>Additional Labor Periods</u>		
(A) Installation or Repair		
- Overtime, outside of normally scheduled working hours on a scheduled work day per technician		\$29.31*
- Premium Time, outside of scheduled work day per technician		32.42*
(B) Stand By		
- Basic time normally scheduled working hours per technician		17.91
- Overtime, outside of normally scheduled working hours on a scheduled work day per technician		21.01
- Premium Time, outside of scheduled work day per technician		24.02

\* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.3 Maintenance of Service**

(A) The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone Company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's or customer's end user premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

(B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer's premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

(C) The charge for Maintenance of Service are as follows:

Maintenance of Service  
Periods  
 Per occurrence

Per Technician  
 The charges for Maintenance of Service are the same as those set for Additional Labor as set forth in 9.2 preceding.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.4 Additional Testing**

Testing Services provides for the use of a Telephone Company technician in performing specific tests authorized by the customer including additional testing of facilities which connect to facilities of other telephone companies. Testing Services offered under this section of the tariff are optional and are in addition to acceptance tests and in-service tests performed by the Telephone Company as described Section 6 and 7.1.8 preceding. Testing Services are made subject to the availability of the necessary qualified personnel and test equipment at the requested test locations. (T)

Testing Services consist of Additional Cooperative Acceptance Testing (ACAT) which is performed during installation of Access Services and Nonscheduled Testing (NST) which is performed after acceptance of Access Services by the customer. Rates and charges for Testing Service are set forth in 9.4(C) following.

The Telephone Company will provide, upon request, documentation that lists the results of the tests performed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

**(A) Additional Cooperative Acceptance Testing**

Rates and charges for Additional Cooperative Acceptance Testing of Switched and Special Access Services apply per technician used.

**(1) Switched Access Service**

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service is performed at the time of installation and involves the Telephone Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests. The Telephone Company may, at the request of the customer, supply a technician at the customer's premises to perform the required tests.

Additional Cooperative Acceptance Testing may, for example, consist of the following tests:

- . C-Notched Noise
- . Impulse Noise
- . Phase Jitter

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.4 Additional Testing (Continued)**

(A) Additional Cooperative Acceptance Testing (Continued)

(1) Switched Access Service (Continued)

- . Signal to C-Notched Noise Ratio
- . Intermodulation Distortion (Nonlinear)
- . Frequency Shift (Offset)
- . Envelope Delay Distortion
- . Dial Pulse Percent Break

(2) Special Access Service

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company may provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services at the time of installation. At the customer's request, the Telephone Company may provide a technician at the customer's premises or at the end user premises: These tests may, e.g., consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

(B) Nonscheduled Testing

Nonscheduled tests are performed by the Telephone Company "on demand." When a customer provides a technician at its premises with suitable test equipment to perform the required tests, the Telephone Company may provide a technician at its office for the purpose of conducting Nonscheduled Testing of Switched or Special Access services. At the customer's request, the Telephone Company may provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require. Rates and charges for Nonscheduled Testing apply per technician used.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.6 Protective Connecting Arrangements**

The following Protective Connecting Arrangements (PCAs) are grandfathered and are offered on the basis of on-the-shelf availability:

<u>Description</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Automatic PCA with a contact type signaling interface for 2 or 4-wire voice-band connections of CPE communications systems to Telephone Company Special Access Services.	\$ 5.85	-
Automatic PCA for connection of a customer, authorized user or joint user provided communications system arranged for CPE dial or automatic channel signaling, to a Telephone Company Special Access Service which terminates at the distant end in a telephone company-provided PBX arranged for dial or automatic signaling (4 wire).	10.10	\$87.15
PCA which provides for connection of CPE automatic telephone answering devices to central office, PBX trunk, key system lines, and centrex station lines by means of a 2-wire interface.	ICB rates and charges apply	
PCA for connection of CPE answering or recording equipment to Telephone Company lines, for one-way voice transmission in each direction but not simultaneously. Recording of two-way conversations is prevented, by the PCA.	5.40	30.75

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ACCESS SERVICE

9. Miscellaneous Services (Continued)

9.6 Protective Connecting Arrangements (Continued)

<u>Description</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA for use with CPE answer only equipment where two-way transmission is required		ICB rates and charges apply
Same application as PFZ++ with voice control disconnect and automatic receive volume limiting.		ICB rates and charges apply
PCA for use with CPE to provide data on PBX trunks. Also requires standard PBX trunk PCA.		ICB rates and charges apply
PCA to permit connection of CPE message registers to exchange facilities of the Telephone Company for indications of message registration for outgoing calls over the associated central office trunks (facilities). Each trunk would also have a PCA (typically CDH or CD8) for connection of the CPE PBX. Association of the trunk with the station is made by the CPE.		ICB rates and charges apply
Alarm coupler for use with rotary dial, one-way transmission CPE alarm signaling device.		ICB rates and charges apply

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ACCESS SERVICE

9. Miscellaneous Services (Continued)

9.6 Protective Connecting Arrangements (Continued)

<u>Description</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA to permit the connection of CPE to a Telephone Company special recording trunk arranged for 2-way service, i.e., outward dialing by hotel/motel guests and rering by the operator of the Telephone Company long distance switchboard (the equivalent of a toll terminal).	ICB rates and charges apply	
For termination of CPE tie lines, with CPE channel signaling, in Centrex systems 4-wire.	\$7.20	\$21.60
PCA used for automatic connection of CPE voice transmitting and/or receiving terminal equipment to an exchange line or PBX/CTX station line, or to a WATS Access Line.	9.40	7.80
PCA to provide for connection of CPE terminal equipment to Telephone Company central office key system and PBX station lines and WATS Access Lines via 3-wire interface.	ICB rates and charges apply	

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.6 Protective Connecting Arrangements (Continued)**

<u>Description</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA for connection of CPE voice communications systems and/or terminal equipment via 2-wire interface to Telephone Company lines and trunks (only loop start trunks not equipped for toll diversion), or terminal equipment.	ICB rates and charges apply	
Manual PCA used to connect a cord switchboard position of CPE system, which provides supervisory signals, to an exchange trunk line.	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for two-way combination service to and from the attendant position and from the dial switching equipment of a CPE system.	\$10.45	\$39.05
Automatic PCA used to connect an exchange trunk line arranged for one-way incoming service to the attendant position of a CPE system.	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the attendant position of a CPE system.	ICB rates and charges apply	

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.6 Protective Connecting Arrangements (Continued)**

<u>Description</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the dial switching equipment of a CPE system.	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for one-way service, to and from the attendant position of a CPE system.	\$7.80	\$39.05
PCA used for automatic connecting of CPE voice transmitting and/or receiving terminal equipment bridged to an exchange line or PBX/CTX station line, or to a Switched Access Line, e.g., WATS access line, which is terminated in a Telephone Company station.	9.40	7.80
Automatic PCA used to connect an exchange trunk line, arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position of a Telephone Company long distance switchboard (the equivalent of a toll terminal).	ICB rates and charges apply	
PCA to provide for connection of CPE originate only or originate and answer terminal equipment.	ICB rates and charges apply	

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.8 Telecommunications Service Priority (TSP)**

TSP is the regulatory, administrative, and operational system developed by the Federal Government to ensure priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The Federal Communications Commission (FCC) defines NSEP telecommunications services as those services which are used to maintain a state of readiness or to respond to and manage any event or crisis, which causes or could cause harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States. See Frontier Telephone Companies Tariff FCC No. 6, Access Service, terms and conditions, rates and charges.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.9 Standard Jacks - Registration Program**

Standard jacks are provided by the Telephone Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in 2.5 preceding. The use of jacks is covered in Part 68 of the FCC's Rules and Regulations. Specific jacks are described in the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of FCC's Rules and Regulations."

These jacks are used to terminate services provided by the Telephone Company. Other services or facilities provided by the Telephone Company or by others may also be terminated in any space capacity of the jacks remaining after installation without additional charge for the use of such capacity.

The nonrecurring charges, which include installation, for standard jacks and their typical uses are set forth following:

		<u>Nonrecurring Charges</u>
(A)	<u>Standard Voice Jacks</u>	
(1)	Miniature six-position jacks for connection of terminal equipment as follows:	
(a)	Single line telephone set surface or flush mounted.	\$10.00
(b)	Single line telephone sets wall mounted.	10.00

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ACCESS SERVICE

9. Miscellaneous Services (Continued)

9.9 Standard Jacks - Registration Program (Continued)

(A) Standard Voice Jacks (Continued)

Nonrecurring  
Charges

(1) (Continued)

(c) Two-line non-key  
 telephone sets  
 surface or  
 flush mounted

\$10.00

(d) Single-line bridged  
 4-wire exchange  
 2/RT, T1/R1

10.00

(e) Two-line non-key telephone  
 sets wall mounted

10.00

(d) Special single line equipment  
 for use in hospital critical  
 care areas

10.00

(e) 9DB single line data equipment  
 with mode indication and mode  
 indication common leads. This  
 jack is normally used in association  
 with a series jack.

10.00

(f) Three-line non-key telephone  
 sets and ancillary devices

49.00

(2) 50 Position Miniature  
 Ribbon for connection  
 of multiline terminating  
 equipment and channel  
 derivation devices as follows:

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ACCESS SERVICE

9. Miscellaneous Services (Continued)

9.9 Standard Jacks - Registration Program (Continued)

(A) Standard Voice Jacks (Continued)

(2) (Continued)

	<u>Nonrecurring Charges</u>
(a) For connection to 2-wire tie trunks E&M type I signaling. (12 line capacity)	\$160.00
(b) For connection to 4-wire tie trunks E&M type I signaling. (8 line capacity)	160.00
(c) For connection to 2-wire tie trunks E&M type II signaling. (8 line capacity)	160.00
(d) For connection to 4-wire tie trunks E&M type II signaling. (6 line capacity)	160.00
(e) For connection to off-premises station lines. (25 line capacity)	160.00
(f) For use with series devices such as toll restrictors. (12 line capacity)	105.00
(g) For connection of up to 12 line bridged 4-wire exchange 2/RT, T1/R1.	100.00

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.9 Standard Jacks - Registration Program (Continued)**

**(A) Standard Voice Jacks (Continued)**

(3) Series Jacks for connection of terminal equipment as follows:

(a) Single line alarm reporting devices.

Nonrecurring  
Charges

\$66.00

(b) Series ancillary devices such as automatic dialers. Single line sets with exclusion.

66.00

(c) Two line telephone sets with exclusion on one line.

66.00

(4) Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas.

120.00

**B) Standard Data Jacks**

Nonrecurring  
Charges

(1) Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. (1 line capacity)

\$65.00

(2) Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)

65.00

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ACCESS SERVICE

9. Miscellaneous Services (Continued)

9.9 Standard Jacks - Registration Program (Continued)

(B) Standard Data Jacks (Continued)

Nonrecurring  
 Charges

(3) Multiple Line Universal  
 Data Jack for  
 use in connecting  
 fixed loss loop (FLL)  
 and programmed (P)  
 types of data equip-  
 ment. This jack will  
 terminate up to eight  
 lines. The selection  
 of this jack requires  
 the use of the equipment  
 listed following.

\$250.00

(a) Multiple Line Universal  
 Data Jack  
 Circuit Cards.  
 For use with RJ26X.  
 One circuit card  
 per circuit required.

79.00

(b) Multiple Line  
 Universal Data  
 Jacking Mounting  
 options. For use  
 with RJ26X. One  
 required per RJ26X.

- Wall Mounting  
 with cover.

45.00

- Rack Mounting  
 (19 inch or 23 inch)

28.00

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access<sup>1,2</sup>**

The Carrier Selection Process is an arrangement whereby:

An end user may select an IC, competitive local carrier (CLC) or local exchange carrier (LEC) to place intrastate, intraLATA MTS/MTS-type calls without the 101XXXX access code. This IC, CLC or LEC is referred to as the end user's intraLATA primary interexchange carrier (IPIC).

COPT and Coin Telephone – IntraLATA Equal Access

In the event that no IC orders FGD to provide intraLATA service from an end office, the carrier selection process for the IPIC set forth below will not apply.

On the effective date(s) of intraLATA equal access, end users or agents who have not designated an IC, CLC or LEC will continue with the Utility's intraLATA toll service.

Subject to the negotiation process between the payphone location provider and the Company, the payphone location provider, or his agent, may select an IC or LEC to place intrastate, intraLATA MTS/MTS-type calls without the 101XXXX access code. This IC or LEC is referred to as the payphones IntraLATA Primary Interexchange Carrier (IPIC). All 1+ and 0+ intrastate, intraLata calls will be routed to the IPIC.

<sup>1</sup> In the event that Frontier Communications of the Southwest Inc., acquires a new or existing central office or exchange (T) that has not been converted to interLATA equal access, the rules for balloting and allocation of the customers within that exchange as established in P.U.C.N. Decision 85-07-095 will apply.

<sup>2</sup> The carrier selection process for an interLATA primary interexchange carrier (PIC) is described in Frontier Telephone Companies FCC Tariff No. 6.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access (Continued)**

(A) Carrier Customer Lists

The Utility will accept IC, CLC and LEC customer lists identifying end users and agents who have made individual arrangements with the IC, CLC or LEC to designate the IC, CLC or LEC as their IPIC. The list should be in the form of magnetic tape or paper printout.

(B) End User Choice Discrepancy

An IC, CLC or LEC is required to certify at the time it submits end user lists to the Utility that it has on file, or has instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user or agent. The IC, CLC or LEC is not required to submit letters of agency when submitting end user lists to the Utility, but should maintain the confirmations or letters on file for use in dispute resolution. The IC, CLC or LEC should request written confirmation of choice from its customer no later than the date of submission of its first bill to the customer.

When an end user indicates more than one IPIC per line, the Utility will contact the end user for clarification.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access (Continued)**

**(C) IPIC Charge Application**

In end offices converted to Equal Access new end users, end user agents and local service providers that resell services (herein referred to as resellers) must presubscribe to the IPIC of their choice at the time an order is placed for service. The IPIC may be an IC, CLC or LEC. In end offices converted to Equal Access, agents of new COPT and Coin Telephones must presubscribe to the IPIC of their choice at the time the order is placed for service. Upon the end user's, end user agent's or reseller's selection of the IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC, CLC or LEC selected as the IPIC. From the date of the confirmation notice, the end users, end user agents and resellers will have 90 days to change their presubscription selection without a charge.

If an IPIC is not chosen at the time the order for service is submitted, the end user, end user agent or reseller will be sent a confirmation notice which contains a list of ICs, CLCs and LECs with FGD providing intraLATA service, and will be informed that they have 90 days to contact the IC, CLC and/or LEC of their choice or the Utility to apply for the IPIC arrangement. If notice is received by the Utility within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent or reseller. If notice is received after 90 days, the end user, end user agent or reseller will be billed a nonrecurring charge in 9.10.1(A) for each IPIC. Until the end user, end user agent or reseller receives service from the selected carrier, he may access the intraLATA carrier of his choice by dialing the appropriate 101XXXX carrier identification code or service will be provided by the Utility.

The full nonrecurring IPIC charge is applicable when an intraLATA IPIC change is ordered.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access (Continued)**

**(C) IPIC Charge Application - Continued**

The Utility will make post conversion changes in the end user's, end user agent's or reseller's IPIC assignment pursuant to an IC, CLC or LEC provided list of customers, accepted by the Utility under conditions set forth in A. and B. Should an end user, end user agent or reseller dispute authorization of the change within two years of the IPIC assignment, the Utility will place the end user on the previous carrier's network where possible and the carrier will be billed according to Section 9.10.1.

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**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access (Continued)**

**(D) Unauthorized Primary IntraLATA Carrier (IPIC) Restoral Change**

An Unauthorized IPIC Change is a change in the preferred IPIC that the end user or Pay Telephone Service Provider denies authorizing.

If an end user or Pay Telephone Service Provider denies requesting a change of IPIC as submitted by the alleged unauthorized IC, the alleged unauthorized IC will be assessed the IPIC Charge as specified in 9.10.1 for:

- Changing the end user or Pay Telephone Service Provider to the disputed IC, and
- Placing the end user or Pay Telephone Service Provider on their previous IC network or the IC network of their choice.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized carrier is ultimately exonerated of liability, the alleged unauthorized IC is entitled to receive full payment from the end user or Pay Telephone Service Provider for all services provided. In such situations, any IPIC Charges assessed against the alleged unauthorized IC by the Telephone Company are subject to rebilling to the end user or Pay Telephone Service Provider by the alleged unauthorized IC.

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9. Miscellaneous Services (Continued)

9.10 Carrier Selection Process for Equal Access (Continued)

(E) Reserved for future use

(F) Liability of the Utility

If through the fault of the Utility, the end user, end user agent or reseller is not subscribed to its chosen IPIC, the nonrecurring charges do not apply to reassign the end user, end user agent or reseller to his chosen IPIC.

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**9. Miscellaneous Services (Continued)**

**9.10 Carrier Selection Process for Equal Access (Continued)**

**(G) Carrier Desired Due Date (ICDDD) for IPIC Installation**

An IC, CLC or LEC may request a desired due date for IPIC installation for a specific, single end user, end user agent or reseller acting on behalf of an end user post equal access conversion. This ICDDD is a mutually agreed upon negotiated due date, determined to be between 3 and 45 business days from the date of receipt of the order. The carrier must coordinate the ICDDD with the Utility prior to sending in the first order.

The ICDDD does not apply to routine lists provided by the carrier, as set forth in 9.10.A. The Nonrecurring Charge for IPIC applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user customer.

**9.10.1 RATES**

Carrier Selection Process for Equal Access

**(A) Nonrecurring Charge for Primary IntraLATA Carrier (IPIC)**

Per Utility Local Service Line or Trunk \$4.46

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.11 End User/Agent Lists**

**(A) Presubscription List**

**1. IntraLATA Equal Access**

Prior to conversion to intraLATA equal access an IC, CLC or LEC may request a list of the Utility's end users and agents of record served from the end office switch. A single Presubscription List will be provided to intra LATA toll providers as follows:

(a) The Utility will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, CLC or LEC, at the rates set forth in the Frontier Telephone Companies Tariiff FCC No. 6. Foreign listings, PBX stations, CU centrex stations, public coin station and numbers not in service will not be provided.

(1) The Initial List will be provided to the IC, CLC or LEC no later than 30 days after receipt of the order from and payment by the IC, CLC or LEC of charges. The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same intraLATA equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

(2) The Account Activity List, which includes a listing of all changes to the customer data based, since the Initial List was produced. Will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC, CLC or LEC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's, CLC's or LEC's customer account information. There is no charge for this list.

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**9. Miscellaneous Services (Continued)**

**9.11 End User/Agent Lists (Continued)**

(A) Presubscription List – Continued

(1) IntraLATA Equal Access – Continued

- (b) The IC, CLC or LEC agrees to use the Initial Lists for the sole purpose of contacting potential customers/agents, or existing customers/agents, regarding intraLATA telecommunications services available through equal access to be obtained from the Utility. The IC, CLC or LEC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.
- (c) The IC, CLC or LEC shall indemnify, protect and save harmless the Utility from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Utility's supplying of listing information, services or records.
- (d) The Utility and the IC, CLC and LEC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Utility nor the IC, CLC or LEC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC, CLC or LEC is the same as, a part of, or associated with the Utility.
- (e) This service may be terminated by either the Utility or the IC, CLC or LEC upon thirty (30) days' written notice. The Utility reserves the right to terminate this service immediately upon written notice if the IC or LEC misuses the list information. Performance by the Utility shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Utility.

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.11 End User/Agent Lists - Continued**

(B) Snapshot List

The Snapshot List is a summary of selected end user and agent information for a specific IC, CLC or LEC which resides in the Utility customer data base. The Snapshot List may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, CLC or LEC, at rates set forth in the Frontier Telephone Companies., Tariff FCC No. 5, Section 6. Foreign listings, PBX stations, CU Centrex stations and numbers not in service will not be provided. (T) (T)

The Snapshot List will be provided to the IC, CLC or LEC no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per order.

The purpose, liability and objectives associated with the provision of the Snapshot List is in 9.11.A.1.(b),(c),(d),(e).

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**ACCESS SERVICE**

**9. Miscellaneous Services (Continued)**

**9.12 Unauthorized Change of Local Service Provider**

The term "unauthorized change of local service provider" is a change in the preferred local service provider that the end user denies authorizing.

If an end user denies authorizing a change in his/her local service provider, as submitted by the alleged unauthorized local service provider, the alleged unauthorized service provider will be assessed the nonrecurring charges, as specified in Local Exchange Tariff, Schedule No. A-3, to restore the customer's service(s) as they existed prior to the alleged unauthorized change. In addition, the terms and conditions normally associated with a request for new service, as specified in Local Exchange Tariff, Schedule A-1, will apply.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized local service provider is ultimately exonerated of liability, the alleged unauthorized local service provider is entitled to receive full payment from the end user for all services provided. In such situations, any nonrecurring charges assessed against the alleged unauthorized local service provider by are subject to rebilling to the end user by the alleged unauthorized local service provider.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes**

**10.1 Local Transport Interface Groups**

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in Section 6.

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As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customers premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1 Local Transport Interface Groups (Continued)**

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's premises. The premises interfaces codes associated with the Interface Groups may vary among Feature Groups. The various premises interfaces codes which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in 10.1.11 following.

For each of the ten Interface Groups described following, the transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant and equipment capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

**10.1.1 Interface Group 1**

Interface Group 1 provides a two-wire voice frequency transmission path at the point of termination at the customer's premises. Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching can only provide four-wire terminations.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1 Local Transport Interface Groups (Continued)**

**10.1.1 Interface Group 1 (Continued)**

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling will be reverse battery signaling. When FGB, FGC, or FGD access service is associated with a two-way calling interface, E&M signaling shall be used.

**10.1.2 Interface Group 2**

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

**10.1.3 Interface Group 3**

Interface group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 180 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1 Local Transport Interface Groups (Continued)**

**10.1.4 Interface Group 4**

Interface group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

**10.1.5 Interface Group 5**

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1 Local Transport Interface Groups (Continued)**

**10.1.6 Interface Group 6**

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

**10.1.7 Interface Group 7**

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1. Local Transport Interface Groups (Continued)**

**10.1.8 Interface Group 8**

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

**10.1.9 Interface Group 9**

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.1. Local Transport Interface Groups (Continued)**

**10.1.10 Interface Group 10**

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

**10.1.11 Available Premises Interface Codes**

Following is a matrix showing which premises interface codes are available for each Interface Group as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in 7.5.1 following.

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.1 Local Transport Interface Groups (Continued)

10.1.11 Available Premises Interface Codes (Continued)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>				
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	
1	LO	2LS2	X				
	LO	2LS3	X				
	GO	2GS2	X				
	GO	2GS3	X				
	LO, GO	2DX3	X				
	LO, GO	4EA3-E		X			
	LO, GO	4EA3-M		X			
	LO, GO	6EB3-E		X			
	LO, GO	6EB3-M		X			
	RV, EA, EB, EC	2DX3	X	X	X		
	RV, EA, EB, EC	4EA3-E		X	X	X	
	RV, EA, EB, EC	4EA3-M		X	X	X	
	RV, EA, EB, EC	6EB3-E		X	X	X	
	RV, EA, EB, EC	6EB3-M		X	X	X	
	EA, EB, EC	6EC3		X	X		
	RV	2RV3-O		X	X	X	
	RV	2RV3-T		X	X	X	
	2	LO, GO	4SF2	X			
		LO, GO	4SF3	X			
		LO	4LS2	X			
LO		4LS3	X				
LO		6LS2	X				
GO		4GS2	X				
GO		4GS3	X				
GO		6GS2	X				
LO, GO		4DX2	X				
LO, GO		4DX3	X				
LO, GO		6EA2-E		X			
LO, GO		6EA2-M		X			
LO, GO		8EB2-E		X			
LO, GO		8EB2-M		X			
LO, GO		6EX2-B		X			

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.1 Local Transport Interface Groups (Continued)

10.1.11 Available Premises Interface Codes (Continued)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
2 (Continued)						
	RV, EA, EB, EC	4SF2	X	X	X	
	RV, EA, EB, EC	4SF3	X			
	RV, EA, EB, EC	4DX2	X	X	X	
	RV, EA, EB, EC	4DX3	X	X	X	
	RV, EA, EB, EC	6DX2		X		
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	RV, EA, EB, EC	8EB2-M		X	X	X
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	RV	4RV3-O		X	X	
	RV	4RV3-T		X	X	
3						
	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
4						
	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
5						
	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
6						
	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
7						
	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-32		X	X	X
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31L		X	X	X

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.1 Local Transport Interface Groups (Continued)

10.1.11 Available Premises Interface Codes (Continued)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
8	LO, GO	4DSO-63	X			
	LO, GO	4DSO-63L	X			
	RV, EA, EB, EC	4DSO-63		X	X	X
	RV, EA, EB, EC	4DSO-63L		X	X	X
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
10	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	X
	RV, EA, EB, EC	4DS6-27L		X	X	X

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.2 Transmission Specifications for Switched Access Service**

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

**10.2.1 Standard Transmission Specifications**

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Services. The specific applications in terms of the Switched Access Arrangements and Interface Groups with which the Switched Access Arrangement Standard Transmission Specifications are provided are set forth in Section 6.

(T)

**(A) Type A Transmission Specifications**

Type A Transmission Specifications is provided with the following parameters:

**(1) Loss Deviation**

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +\_ 2.0 dB.

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.2 Transmission Specifications for Switched Access Service (Continued)

10.2.1 Standard Transmission Specifications (Continued)

(A) Type A Transmission Specifications (Continued)

(5) Echo Control (Continued)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +\_ 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion is the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.2 Transmission Specifications for Switched Access Service (Continued)**

**10.2.1 Standard Transmission Specifications (Continued)**

(B) Type B Transmission Specifications (Continued)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

(4) Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Switched Access Service, type of termination, and type of transmission path. They are greater than or equal to the following:

\* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.2 Transmission Specifications for Switched Access Service (Continued)**

**10.2.1 Standard Transmission Specifications (Continued)**

(B) Type B Transmission Specifications (Continued)

(5) Echo Control (Continued)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
POT to End Office		
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
. For FGB access	8 dB	4 dB
. For FGC access (Effective 4-Wire trans- mission path at end office)	16 dB	11 dB
. For FGC access (Effective 2-Wire trans- mission path at end office)	13 dB	6 dB

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications, and Channel Codes (Continued)**

**10.2 Transmission Specifications for Switched Access Service (Continued)**

**10.2.1 Standard Transmission Specifications (Continued)**

(C) Type C Transmission Specifications

Type C Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is - 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

\* For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided set forth in Technical Reference TR-NPL-000334.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications, and Channel Codes (Continued)**

**10.2 Transmission Specifications for Switched Access Service (Continued)**

**10.2.2 Data Transmission Parameters**

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Switched Access Service arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in Section 6. In addition, the Combined Access Service Arrangement is provided with Data Transmission Parameters. Following are descriptions of each parameter. (T)

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum envelope Delay Distortion for the frequency bands and route miles specified is:

	<u>604 to 2804 Hz</u>
less than 30 route miles	500 microseconds
equal to or greater than 30 route miles	900 microseconds
	<u>1004 to 2404 Hz</u>
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:  
 Second Order (R2) 33 dB  
 Third Order (R3) 37 dB

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes**

This section explains the channel interface codes and Network Channel codes that the customer must specify when ordering Special access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface Codes, impedance levels, Network Channel Codes and compatible Channel interfaces.

Example: If the customer specifies a NT network Channel Code and a 2DS8-3 Channel Interface at the customer's premises, the following is being requested:

- NT = Metallic Circuit with a Predefined Technical Specification Package (1)
- 2 = Number of physical wires at customer premises
- DC = Facility interface for direct current or voltage
- 8 = Variable impedance level
- 3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes (Continued)**

**10.3.1 Glossary of Channel Interface Codes and Options**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB -		accepts 20 Hz ringing signal at customer's point of termination
AC -		accepts 20 Hz ringing signal at customer's end user's point of termination
AH -		analog high capacity interface
-	B	60 kHz to 108 kHz (12 channels)
-	C	312 kHz to 552 kHz (60 channels)
-	D	564 kHz to 3084 kHz (600 channels)
CT		Centrex Tie Trunk Termination
DA -		data stream in VF frequency band at customer's end user's point of termination
DB -		data stream in VF frequency band at customer's point of termination
-	10	VF for TG1 and TG2
-	43	VF for 43 Telegraph Carrier type signals, TG1 and TG2 DC -direct current or voltage
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
-	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD -		DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE -		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination
DS -		digital hierarchy interface
-	15	1.544 Mbps (DS1) format per PUB 41451 plus D4
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
15H -		14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J -	1.544 Mbps format per PUB 41451

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes (Continued)**

**10.3.1 Glossary of Channel Interface Codes and Options (Continued)**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
-	15K	1.544 Mbps format per PUB 41451 plus extended framing format
-	15L	1.544 Mbps (DS1) with SF signaling
-	27	274.176 Mbps (DS4)
-	27L	274.176 Mbps (DS4) with SF signaling
-	31	3.152 Mbps (DS1C)
-	31L	3.152 Mbps (DS1C) with SF signaling
-	44	44.736 Mbps (DS3)
-	44L	44.736 Mbps (DS3) with SF signaling
-	63	6.312 Mbps (DS2)
-	63L	6.312 Mbps (DS2) with SF signaling
DU	-	digital access interface
-	24	2.4 kbps
-	48	4.8 kbps
-	56	56.0 kbps
-	96	9.6 kbps
-	A	1.544 Mbps format per PUB 41451
-	B	1.544 Mbps format per PUB 41451 plus D4
-	C	1.544 Mbps format per PUB 41451 plus extended framing format
DX	-	duplex signaling interface at customer's point of termination
DY	-	duplex signaling interface at customer's end user's point of termination
EA	- E	type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes (Continued)**

**10.3.1 Glossary of Channel Interface Codes and Options (Continued)**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EB -	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EC -		Type III E&M signaling at customer POT
EX -	A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX -	B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO -		ground start loop signaling – open end function by customer or customer's end user.
GS -		ground start loop signaling – closed end function by customer or customer's end user
IA -		E .I.A. (25 pin RS-232)
LA -		end user loop start loop signaling - Type A OPS registered port open end
LB -		end user loop start loop signaling - Type B OPS registered port open end
LC -		end user loop start loop signaling - Type C OPS registered port open end
LO -		loop start loop signaling - open end function by customer or customer's end user
LR -		20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS -		loop start loop signaling - closed end function by customer or customer's end user
NO -		no signaling interface, transmission only

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes Continued)**

**10.3.1 Glossary of Channel Interface Codes and Options (Continued)**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG	-	program transmission - no dc signaling
	- 1	nominal frequency from 50 to 15000 Hz
	- 3	nominal frequency from 200 to 3500 Hz
	- 5	nominal frequency from 100 to 5000 Hz
	- 8	nominal frequency from 50 to 8000 Hz
PR	-	protective relaying*
RV	-O	reverse battery signaling, one way operation, originate by customer
	-T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT
TF	-	telephotograph interface
TT	-	telegraph/teletypewriter interface at either customer POT or customer's end user POT
	-2	20.0 milliamperes
	-3	3.0 milliamperes
	-6	62.5 milliamperes
TV	-	television interface
	-1	combined (diplexed) video and one audio signal
	-2	combined (diplexed) video and two audio signals
	-5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire
	- 15	video plus one (or two) audio 15 kHz signal(s)
WA	-	wideband bandwidth interface at customer's end user POT
	- 1	limited bandwidth
	- 2	nominal passband from 29000 to 44000 Hz

\* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes Continued)**

**10.3.1 Glossary of Channel Interface Codes and Options (Continued)**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
WB -		wideband data interface at customer POT
-	18S	18.75 kbps, synchronous
-	19A	up to 19.2 kbps asynchronous
-	19S	19.2 kbps synchronous
-	23A	up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40S	40.8 kbps, synchronous
-	50A	up to 50.0 kbps, asynchronous
-	50S	50.0 kbps synchronous
WC -		wideband data interface at customer's end user
-	18	POT 18.75 kbps, synchronous
-	19	for 12-wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps
-	23	asynchronous up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40	40.8 kbps, synchronous
-	50	for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asynchronous
WD -		wideband bandwidth interface at customer POT
-	1	nominal passband from 300 to 18000 Hz
-	2	nominal passband from 28000 to 44000 Hz
-	3	nominal passband from 29000 to 44000 Hz

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes Continued)**

**10.3.2 Impedance**

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

+ For those interface codes with a 4-wire transmission path at the customer's POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes Continued)**

**10.3.3 Digital Hierarchy Channel Interface Codes (4DS)**

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>
4DS8-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes Continued)**

**10.3.4 Service Designator/Network Channel Code Conversion Table**

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG1	LN
VG1	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.4 Service Designator/Network Channel Code Conversion Table (Continued)

Service Designator Code	Network Channel Code
WA1	WJ
WA2T	WQ
WA2	WL
WA2A	WR
WA3	WN
WA4	WP
WD1	WB
WD2	WE
WD3	WF
DA1	XA
DA2	XB
DA3	XG
DA4	XH
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

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**ACCESS SERVICE**

**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes (Continued)**

**10.3.5 Compatible Channel Interfaces**

The following tables show the channel interface codes (CIs) Which are compatible:

(A) Metallic

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	2DC8-1	4AH6-D	2DC8-2
4AH5-B	24C8-2	2DC8-1	2DC8-2
4AH6-C	2DC8-1	2DC8-3	2DC8-3
4AH6-C	2DC8-2	4DS9-*	2DC8-1
4AH6-D	2DC8-1	4DS9-*	2DC8-2

(B) Telegraph Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	10IA8	4AH6-D	4TT2-6	4DB2-43+	4TT2-2
4AH5-B	2TT2-2	2DB2-10	10IA8	4DS9-*	10IA8
4AH5-B	4TT2-2	2DB2-10	2TT2-2	4DS9-*	2TT2-2
4AH5-B	2TT2-6	2DB2-10	4TT2-2	4DS9-*	4TT2-2
4AH5-B	4TT2-6	2DB2-43+	10IA8	4DS9-*	2TT2-6
4AH6-C	10IA8	2DB2-43+	2TT2-2	4DS9-*	4TT2-6
4AH6-C	2TT2-2	2DB2-43+	2TT2-6	2TT2-2	2TT2-2
4AH6-C	4TT2-2	2DB2-43+	4TT2-2	2TT2-3	2TT2-2
4AH6-C	2TT2-6	4DB2-10	10IA8	2TT2-3	4TT2-2
4AH6-C	4TT2-6	4DB2-10	2TT2-2	2TT2-6	2TT2-6
4AH6-D	10IA8	4DB2-10	4TT2-2	2TT2-6	4TT2-2
4AH6-D	2TT2-2	4DB2-43+	10IA8	4TT2-2	4TT2-2
4AH6-D	4TT2-2	4DB2-43+	2TT2-6	4TT2-6	2TT2-6
4AH6-D	2TT2-6				

\* See 7.5.3 preceding for explanation.  
 + Supplemental Channel Assignment information required.

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AB2	4AB2				
4AB2	4AC2	4AH5-B	6DA2	4AH6-D	2DY2
4AB3	4AC2	4AH5-B	4DA2	4AH6-C	9DY2
4AB2	2AC2	4AH5-B	2DA2	4AHG-C	9DY3
4AB3	2AC2			4AH6-C	6DY2
2AB2	2AC2	4AH6-D	4DE2	4AH6-C	6DY3
2AB3	2AC2	4AH6-C	4DE2	4AH6-C	4DY2
4AH5-B	4DE2	4AH6-C	2DY2		
4AB2	4SF2	4AH6-D	2DE2	4AH5-B	9DY2
4AB3	4SF2	4AH6-C	2DE2	4AH5-B	9DY3
4AH5-B	2DE2	4AH5-B	6DY2		
4AH6-D	4AC2			4AH5-B	6DY3
4AH6-D	2AC2	4AH6-D	4DX3	4AH5-B	4DY2
4AH6-C	4AC2	4AH6-C	4DX3	4AH5-B	2DY2
4AH6-C	2AC2	4AH5-B	4DX3		
4AH5-B	4AC2	4AH6-D	4DX2	4AH6-D	9EA2
4AH5-B	2AC2	4AH6-C	4DX2	4AH6-D	9EA3
4AH5-B	4DX2	4AH6-D	6EA2-E		
4AH6-D	2CT3			4AH6-D	6EA2-M
			4AH6-D	4EA2-E	
4AH6-C	2CT3			4AH6-D	4EA2-M
4AH5-B	2CT3			4AH6-C	9EA2
4AH6-D	6DA2			4AJ7-C	9EA3
4AH6-D	4DA2	4AH6-D	9DY2	4AH6-C	6EA2-E
4AH6-D	2DA2	4AH6-D	9DY3		
4AH6-C	6DA2	4AH6-D	6DY2		
4AH6-C	4DA2	4AH6-D	6DY3		
4AH6-C	2DA2	4AH6-D	4DY2		

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH6-C	6EA2-M	4AH6-D	6GS2	4AH6-D	2LO2
4AH6-C	4EA2-E	4AH6-D	4GS2	4AH6-C	2LO3
4AH6-C	4EA2-M	4AH6-D	2GS3	4AH6-C	2LO2
4AH5-B	9EA2	4AH6-D	2GS2	4AH5-B	2LO3
4AH5-B	9EA3	4AH6-C	6GS2	4AH5-B	2LO2
4AH5-B	6EA2-E	4AH6-C	4GS2		
4AH5-B	6EA2-M	4AH6-C	2GS3	4AH6-B	4LR2
4AH5-B	4EA2-E	4AH6-C	2GS2	4AH6-D	2LR2
4AH5-B	4EA2-M	4AH5-B	6GS2	4AH6-C	4LR2
		4AH5-B	4GS2	4AH6-C	2LR2
4AH6-D	8EB2-E	4AH5-B	2GS3	4AH5-B	4LR2
4AH6-D	8EB2-M	4AH5-B	2GS2	4AH5-B	2LR2
4AH6-D	6EB2-E				
4AH6-D	6EB2-M	4AH6-D	2LA2	4AH6-D	6LS2
4AH6-C	8EB2-E	4AH6-C	2LA2	4AH6-D	4LS2
4AH6-C	8EB2-M	4AH5-B	2LA2	4AH6-D	2LS2
4AH6-C	6EB2-E			4AH6-D	2LS3
4AH6-C	6EB2-M	4AH6-D	2LB2	4AH6-C	6LS2
4AH5-B	8EB2-E	4AHG-C	2LB2	4AH6-C	4LS2
4AH5-B	8EB2-M	4AH5-B	2LB2	4AH6-C	2LS2
4AH5-B	6EB2-E			4AH6-C	2LS3
4AH5-B	6EB2-M	4AH6-D	2LC2	4AH5-B	6LS2
		4AH6-C	2LC2	4AH5-B	4LS2
4AH6-D	2GO2	4AH5-B	2LC2	4AH5-B	2LS2
4AH6-D	2GO3				
4AH6-C	2GO2				
4AH6-C	2GO2			4AH5-B	2LS3
4AH5-B	2GO2	4AH6-D	2LO3		
4AH5-B	2GO3				

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH6-D	4NO2	4AH6-D	4TF2	2CT3	8EB2-E
4AH6-D	2NO2	4AJ7-D	2TF2	2CT3	8EB2-M
4AH6-C	4NO2	4AH6-C	4TF2		
4AH6-C	2NO2	4AH6-C	2TF2	2CT3	6482-E
4AH5-B	4NO2	4AH5-B	4TF2	2CT3	6EB2-M
4AH5-B	2NO2	4AH5-B	2TF2		
		2CT3	4DS9-*	2CT3	6EB3-E
				2CT3	8EC2
		2CT3	6DX2		
		2CT3	4DX2	2CT3	4SF2
		2CTS	4DX3	2CT3	4SF3
4AH6-D	4PR2	2CT3	9DY3	6DA2	6DA2
4AH6-D	2PR2	2CT3	6DY3	6DA2	4DA2
4AH6-C	4PR2	2CT3	9DT2	4DA2	4DA2
4AH6-C	2PR2	2CT3	6DY2		
4AH5-B	4PR2	2CT3	4DY3	4DB2	6DA2
4AH5-B	2PR2	2CT3	2DY2	4DB2	4DA2
				4DB2	2DA2
4AH6-D	4RV2-T	2CT3	9EA3	2DB3	2DA2
4AH6-D	2RV2-T	2CT3	9EA2	2DB2	2DA2
4AH6-C	4RV2-T	2CT3	6EA2-E	4DB2	4DB2
4AH6-C	2RV2-T	2CT3	6EA2-M	4DB2	4NO2
4AH5-B	4TV2-T	2CT3	4EA2-E	4DB2	2NO2
4AH5-B	2RV2-T	2CT3	4EA2-M	2DB2	2NO2
4AH6-D	4SF2			4DB2	4PR2
4AH6-C	4SF2			4DB2	2PR2
4AH5-B	4SF2			2DB2	2PR2
4AH6-D	4SF3				
4AH6-C	4SF3				
4AH5-B	4SF3				

\* See 10.3.3 preceding for explanation.

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

Compatible Is

Compatible CIs

4DD3	4DE2	4DS8-*	9DY3
4DD3	2DE2	4DS8-*	9DY2
		4DS8-*	6DY3
4DS8-*	4AC2	4DS8-*	6DY2
4DS8-*	2AC2	4DS8-*	4DY2
		4DS8-*	2DY2
4DS8-*	6DA2		
4DS8-*	4DA2		
4DS8-*	2DA2	4DS8-*	9EA2
		4DS8-*	9EA3
4DS8-*	4DE2	4DS8-*	6EA2-E
4DS8-*	EDE2	4DS8-*	6EA2-M
		4DS8-*	4EA2-E
4DS8-*	4DX3	4DS8-*	4EA2-E
4DS8-*	4DX2		

\* See 10.3.3 preceding for explanation.

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS8-*	8EB2-E	4DS8-*	4NO2	4DX3	9DY2
4DS8-*	8EB2-M	4DS8-*	2NO2	4DX2	6DY3
4DS8-*	6EB2-E			4DX3	6DY3
4DS8-*	6EB2-M	4DS8-*	4PR2	4DX2	6DY2
		4DS8-*	2PR2	4DX3	6DY2
4DS8-*	2G02			4DX2	4DY2
4DS8-*	2G03	4DS8-*	4RV2-T	4DX3	4DY2
4DS8-*	6GS2	4DS8-*	2RV2-T	4DX2	2DY2
4DS8-*	4GS2			4DX3	2DY2
4DS8-*	2GS2	4DS8-*	4SF2		
4DS8-*	2GS3	4DS8-*	4SF3	6DX2	9EA3
				6DX2	9EA2
4DS8-*	2LA2	4DS8-*	4TF2	6DX2	6EA2-E
		4DS8-*	2TF2	6DX2	6EA2-M
4DS8-*	2LB2			6DX2	4EA2-E
		4DX2	4DX2	6DX2	4EA2-M
8DS8-*	2LC2	4DX3	4DX2	4DX2	9EA2
		4DX3	4DX3	4DX3	9EA2
4DS8-*	2LO2			4DX2	9EA3
4DS8-*	2LO3	6DX2	9DY3	4DX3	9EA3
		6DX2	9DY2	4DX2	6EA2-E
4DS8-*	4LR2	6DX2	6DY3	4DX3	6EA2-E
4DS8-*	2LR2	6DX2	6DY2	4DX2	6EA2-M
		6DX2	4DY2	4DX3	6EA2-M
4DS8-*	6LS2	6DX2	2DY2	4DX2	4EA2-E
4DS8-*	4LS2	4DX2	9DY3	4DX3	4EA2-E
4DS8-*	2LS2	4DX3	9DY3	4DX2	4EA2-M
4DS8-*	2LS3	4DX2	9DY2	4DX3	4EA2-M

\* See 10.3.3 preceding for explanation.

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
6DX2	8EB2-E	4DX2	6LS2	9DY2	6DY3
6DX2	8EB2-M	4DX3	6LS2	9DY3	4DY2
6DX2	6EB2-E	4DX3	4LS2	9DY2	4DY2
6DX2	6EB2-M	4DX2	4LS2	9DY2	2DY2
4DX2	8EB2-E	4DX3	2LS3	9DY3	2DY2
4DX2	8EB2-M	4DX2	2LS3	6DY3	6DY3
4DX3	8EB2-E	4DX3	2LS2	6DY3	6DY2
4DX3	8EB2-M	4DX2	2LS2	6DY2	6DY2
4DX2	6EB2-E	2DX3	2LS2	6DY3	4DY2
4DX2	6EB2-M	2DX3	2LS3	6DY3	2DY2
4DX3	6E82-E			6DY2	4DY2
4DX3	6EB2-M	4DX3	4RV2-T	6DY2	2DY2
		4DX2	4RV2-T	4DY2	2DY2
4DX2	2LA2	4DX3	2RV2-T	4DY2	4DY2
4DX3	2LA2	4DX2	2RV2-T		
2DX3	2LA2			6EA2-E	4AC2
		6DX2	4SF2	6EA2-M	4AC2
4DX2	2LB2	4DX2	4SF2	6EA2-E	2AC2
4DX3	2LB2	4DX3	4SF2	6EA2-M	2AC2
2DX3	2LB2	4DX2	4SF3		
		4DX3	4SF3	9EA2	9DY3
4DX2	2LC2			9EA2	9DY2
4DX3	2LC2	9DY3	9DY3	9EA2	6DY3
2DX3	2LC2	9DY3	9DY2	9EA2	6DY2
		9DY2	9DY2	9EA2	4DY2
4DX2	2LO3	9DY3	6DY3	9EA2	2DY2
4DX3	2LO3	9DY3	6DY2	9EA3	9DY3
2DX3	2LO3	9DY2	6DY2		

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**10. Interface Groups, Transmission Specifications and Channel Codes (Continued)**

**10.3 Channel Interface and Network Channel Codes (Continued)**

**10.3.5 Compatible Channel Interfaces (Continued)**

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
9EA3	9DY2	4EA2-M	9DY2	4EA3-E	9EA2
9EA3	6DY3	4EA2-M	6DY3	4EA3-E	9EA3
9EA3	6DY2	4EA2-M	6DY2	4EA2-M	4EA2-M
9EA3	4DY2	4EA2-M	4DY2		
9EA3	2DY2	4EA2-M	2DY2	9EA2	8EB2-E
6EA2-E	9DY3			9EA2	8EB2-M
6EA2-E	9DY2	9EA2	9EA2	9EA2	6EB2-E
6EA2-E	6DY3	9EA2	9EA3	9EA2	6EB2-M
6EA2-E	6DY2	9EA2	6EA2-E	9EA3	8EB2-E
6EA2-E	4DY2	9EA2	6EA2-M	9EA3	8E82-M
6EA2-E	2DY2	9EA2	4EA2-E	9EA3	6EB2-E
6EA2-M	9DY3	9EA2	4EA2-M	9EA3	6EB2-M
6EA2-M	9DY2	9EA3	9EA3	6EA2-E	8EB2-E
6EA2-M	6DY3	9EA3	6EA2-E	6EA2-E	8EB2-M
6EA2-M	6DY2	9EA3	6EA2-M	6EA2-E	6EB2-E
6EA2-M	4DY2	9EA3	4EA2-E	6EA2-E	6EB2-M
6EA2-M	2DY2	9EA3	4EA2-M	6EA2-M	8EB2-E
4EA2-E	9DY3	6EA2-E	6EA2-E	6EA2-M	8E82-M
4EA2-E	9DY2	6EA2-E	6EA2-M	6EA2-M	6EB2-E
4EA3-E	9DY3	6EA2-M	6EA2-M	6EA2-M	6EB2-M
4EA3-E	9DY2	6EA2-E	4EA2-E	4EA2-E	8EB2-E
4EA3-E	6DY3	6EA2-E	4EA2-M	4EA2-E	8EB2-M
4EA3-E	6DY2	6EA2-M	4EA2-E	4EA3-E	8EB2-E
4EA3-E	4DY2	6EA2-M	4EA2-M	4EA3-E	8E82-M
4EA3-E	2DY2	4EA2-E	4EA2-E	4EA2-E	6EB2-E
4EA2-E	6DY3	4EA3-E	6EA2-E	4EA2-E	6EB2-M
4EA2-E	6DY2	4EA3-E	6EA2-M	4EA3-E	6EB2-E
4EA2-E	4DY2	4EA3-E	4EA2-E	4EA3-E	6EB2-M
4EA2-E	2DY2	4EA3-E	4EA2-M	4EA2-M	8EB2-E
4EA2-M	9DY3	4EA2-E	4EA2-M		

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4EA2-M	8EB2-M	9EA3	43F2	6EB3-E	9DY2
4EA2-M	6EB2-E	9EA2	4SF2	6EB3-E	9DY3
4EA2-M	6EB2-M	6EA2-E	4SF3	6EB2-E	6DY2
		6EA2-M	4SF3	6EB3-E	6DY2
6EA2-E	2LA2	6EA2-E	4SF2	6EB2-E	6DY3
6EA2-M	2LA2	6EA2-M	4SF2	6EB3-E	6DY3
		4EA3-E	4SF2	6EB2-E	4DY2
6EA2-E	2LB2	4EA2-E	4SF2	6EB3-E	2DY2
6EA2-M	2LB2	4EA2-M	4SF2	6EB3-E	4DY2
				6EB2-M	9DY2
6EA2-E	2LC2	8EB2-E	4AC2	6EB2-M	9DY3
6EA2-M	2LC2	8EB2-M	4AC2	6EB2-M	6DY2
		8EB2-E	2AC2	6EB2-M	6DY3
6EA2-E	2LO3	8EB2-M	2AC2	6EB2-M	4DY2
6EA2-M	2LO3			6EB2-E	2DY2
		8EB2-E	9DY3	6EB2-M	2DY2
6EA2-E	6LS2	8EB2-E	9DY2		
6EA2-M	6LS2	8EB2-E	6DY3	6EB3-E	9EA2
6EA2-E	4LS2	8EB2-E	6DY2	6EB3-E	9EA3
6EA2-M	4LS2	8EB2-E	4DY2	6EB3-E	6EA2-E
6EA2-E	2LS2	8EB2-E	2DY2	6EB3-E	6EA2-M
6EA2-M	2LS2	8EB2-M	9DY3	6EB3-E	4EA2-E
6EA2-E	2LS3	8EB2-M	9DY2	6EB3-E	4EA2-M
6EA2-M	2LS3	8EB2-M	6DY3		
		8EB2-M	6DY2	8EB2-E	8EB2-E
6EA2-E	4RV2-T	8EB2-M	4DY2	8EB2-E	8EB2-M
6EA2-M	4RV2-T	8EB2-M	2DY2	8EB2-M	8EB2-M
6EA2-E	2RV2-T	6EB2-E	9DY2	8EB2-E	6EB2-E
6EA2-M	2RV2-T	6EB2-E	9DY3	8EB2-E	6EB2-M

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10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible Is</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8EB2-M	6EB2-E	8EB2-E	4RV2-T	8EC2	8EB2-M
8EB2-M	6EB2-M	8EB2-M	4RV2-T	8EC2	6EB2-E
6EB2-E	6EB2-E	8EB2-E	2RV2-T	8EC2	6EB2-M
6EB2-E	6EB2-M	8EB2-M	2RV2-T		
6EB3-E	8EB2-E			8EC2	4SF2
6EB3-E	8EB2-M	8EB2-E	4SF2	6EX2-B	2G03
6EB2-M	6EB2-M	8EB2-M	4SF2	6EX2-A	6GS2
		8EB2-E	4SF3	6EX2-A	4GS2
8EB2-E	2LA2	8EB2-M	4SF3	6EX2-A	2GS2
8EB2-M	2LA2	6EB3-E	4SF2	6EX2-A	2GS3
		6EB2-E	4SF2		
8EB2-E	2LB2	6EB2-M	4SF2	6EX2-B	2LA2
8EB2-M	2LB2				
		8EC2	9DY2	6EX2-B	2LB2
8EB2-E	2LC2	8EC2	9DY3		
8EB2-M	2LC2	8EC2	6DY2	6EX2-B	2LC2
		84C2	6DY3		
8EB2-E	2LO3	8EC2	4DY2	6EX2-B	2LO2
8EB2-M	2LO3	8EC2	2DY2	6EX2-B	2LO3
8EB2-E	6LS2	8EC2	9EA2	6EX2-B	4LR2
8EB2-M	6LS2	8EC2	9EA3	6EX2-B	2LR2
8EB2-E	4LS2	8EC2	6EA2-E		
8EB2-M	4LS2	8EC2	6EA2-M	6EX2-A	6LS2
8EB2-E	2LS2	8EC2	4EA2-E	6EX2-A	4LS2
8EB2-M	2LS2	8EC2	4EA2-M	6EX2-A	2LS2
8EB2-E	2LS3			6EX2-A	2LS3
8EB2-M	2LS3	8EC2	8EB2-E		

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible Is</u>	
6EX2-A	4SF2	6LO2	6LS2	4LR2	4SF2
6EX2-B	4SF2	6LO2	4LS2	4LR3	4SF2
		6LO2	2LS2		
6GO2	6GS2	6LO2	2LS3	6LS2	2LA2
6GO2	4GS2	4LO2	6LS2	4LS2	2LA2
6GO2	2GS2	4LO2	4LS2	4LS3	2LA2
6GO2	2GS3	4LO3	6LS2	2LS2	2LA2
4GO2	6GS2	4LO3	4LS2	2LS3	2LA2
4GO3	6GS2	4LO3	2LS3		
4GO2	4GS2	4LO3	2LS2	6LS2	2LB2
4GO3	4GS2	4LO2	2LS2	4LS2	2LB2
4GO2	2GS2	4LO2	2LS3	4LS3	2LB2
4GO2	2GS3	2LO3	2LS3	2LS2	2LB2
4GO3	2GS2	2LO3	2LS2	2LS3	2LB2
4GO3	2GS3	2LO2	2LS2		
2GO2	2GS2	2LO2	2LS3	6LS2	2LC2
2GO3	2GS2			4LS2	2LC2
2GO2	2GS3	6LO2	4SF2	4LS3	2LC2
2GO3	2GS3	4LO2	4SF2	2LS2	2LC2
		4LO3	4SF2	2LS3	2LC2
6GO2	4SF2				
4GO2	4SF2	4LR2	4LR1	6LS2	2LO3
4GO3	4SF2	4LR3	2LR2	6LS2	2LO2
		4LR2	4LR2	4LS2	2LO2
6GS2	2GO2	4LR2	2LR2	4LS2	2LO3
4GS2	2GO2	2LR2	2LR2	4LS3	2LO2
4GS3	2GO2	2LR3	2LR2	4LS3	2LO3
4GS2	2GO3				

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

<u>Compatible Is</u>		<u>Compatible Is</u>		<u>Compatible Is</u>	
6LS2	4SF2	4SF3	9DY2	4SF3	2LA2
4LS3	4SF2	4SF2	9DY3		
		4SF3	6DY3	4SF2	2LB2
4NO2	6DA2	4SF2	6DY3	4SF3	2LB2
4NO2	4DA2	4SF2	6DY3		
4NO2	2DA2	4SF3	6DY2	4SF2	2LC2
2NO2	2DA2	4SF2	4DY2	4SF3	2LC2
		4SF3	4DY2		
4NO2	4DE2	4SF3	2DY2	4SF2	2LO3
4NO2	2DE2	4SF2	2DY2	4SF3	2LO3
4NO2	4NO2	4SF3	9EA2	4SF2	2LR2
4NO2	2NO2	4SF3	9EA3	4SF3	4LR2
2NO2	2NO2	4SF3	4EA2-E	4SF3	2LR2
2NO3	2NO2	4SF3	4EA2-M		
				4SF3	6LS2
2NO3	2PR2	4SF3	6EB2-E	4SF2	4LS2
		4SF3	6EB2-M	4SF3	4LS2
4RV2-0	4RV2-T	4SF3	2GO3	4SF2	2LS2
4RV2-0	2RV2-T	4SF3	6GS2	4SF2	2LS3
4RV2-0	2RV2-T	4SF2	6GS2	4SF3	2LS2
		4SF2	6GS2	4SF3	2LS3
4RV2-0	4SF2	4SF3	4GS2		
		4SF2	2GS2	4SF3	4RV2-T
4SF2	4AC2	4SF2	2GS3	4SF2	4RV2-T
4SF2	2AC2	4SF3	2GS2	4SF2	2RV2-T
		4SF3	2GS3	4SF3	2RV2-T
4SF3	9DY3				
4SF2	9DY2	4SF2	2LA2	4SF3	4SF3

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(C) Voice Grade (Continued)

Compatible Is

4SF3          4SF2  
4SF2          4SF2

4TF2          4TF2  
4TF2          2TF2  
2TF3          2TF2

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(D) Program Audio

<u>Compatible Is</u>		<u>Compatible Is</u>		<u>Compatible Is</u>	
4AH5-B	2PG1-3	4AH6-D	2PG1-3	4DS8-15F	2PG2-5
4AH5-B	2PG1-5	4AH6-D	2PG1-5	4DS8-15G	2PG2-8
4AH5-B	2PG1-8	4AH6-D	2PG1-8	4DS8-15H	2PG2-1
4AH5-B	2PG2-3	4AH6-D	2PG2-3	2PG2-1	2PG1-1
4AH5-B	2PG2-5	4AH6-D	2PG2-5	2PG2-1	2PG2-1
4AH5-B	2PG2-8	4AH6-D	2PG2-8	2PG2-3	2PG1-3
4AH6-C	2PG1-3	4DS8-15E	2PG1-3	2PG2-3	2PG2-3
4AH6-C	2PG1-5	4DS8-15F	2PG1-5	2PG2-5	2PG1-5
4AH6-C	2PG1-8	4DS8-15G	2PG1-8	2PG2-5	2PG2-5
4AH6-C	2PG2-3	4DS8-15H	2PG1-1	2PG2-8	2PG1-8
8AH6-C	2PG2-5	4DS8-15E	2PG2-3	2PG2-8	2PG2-8

(E) Video

<u>Compatible Is</u>		<u>Compatible Is</u>	
2TV6-1	4TV6-15	4TV7-5	4TV6-5
	4TV7-15	4TV7-5	
2TV6-2	6TV6-15	4TV7-15	4TV6-15
	6TV7-15	4TV7-15	
2TV7-1	4TV6-15	6TV6-5	6TV6-5
	4TV7-15	6TV7-5	
2TV7-2	6TV6-15	6TV6-15	6TV6-15
	6TV7-15	6TV7-15	
4TV6-5	4TV6-5	6TV7-5	6TV6-5
		4TV7-5	6TV7-5
4TV6-15	4TV6-15	6TV7-15	6TV6-15
	4TV7-15	6TV7-15	

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(F) Wideband Analog

<u>Compatible Is</u>		<u>Compatible Is</u>		<u>Compatible Is</u>	
4AH5-B	4AH5-B			4WD5-1	4WA5-1
4AH6-C	4AH5-B			4WD5-2	4WA5-1
4AH6-C	4AH6-C	4AH6-D	4AH6-D	4WD5-3	4WA5-2
	4AH6-D	4AH5-B	4AH5-B	4DS8-15	
	4AH6-D	4AH6-C	4AH5-B	4DU8-A,B, or C	
	4AH6-C	4DU8-A,B, or C			
		4AH6-D	4DU8-A,B, or C		

(G) Wideband Data

<u>Compatible Is</u>		<u>Compatible Is</u>		<u>Compatible Is</u>	
8WB5-18S	12WC6-18	8WB5-23A	10WC6-23	8WB5-50A	10WC6-50
8WB5-19A	10WC6-19	8WB5-23S	12W6-23S	8WB5-50S	12WB6-50
8WB5-19S	12WC6-19	8WB5-40S	12W6-40		

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(H) Digital Data

<u>Compatible Is</u>		<u>Compatible Is</u>		<u>Compatible Is</u>	
4DS8-15	4DU8-15+	4DS8-15	6DU5-56	4DS8-15	6DU5-48
4DS8-15	4DU8-24	4DS8-15	6DU5-96	4DU5-96	4DU5-96
4DS8-15	4DU8-48	4DU5-24	4DU5-24	6DU5-24	6DU5-24
4DS8-15	4DU8-56	4DU5-48	4DU5-48	6DU5-48	6DU5-48
4DS8-15	6DU5-96	4DU8-56	4DU5-56	6DU5-56	6DU5-56
4DS8-15	6DU5-24			6DU5-96	6DU5-96

+ Available only as a cross connect of two digital circuits at appropriate digital speeds at a Telephone Company hub.

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ACCESS SERVICE

10. Interface Groups, Transmission Specifications and Channel Codes (Continued)

10.3 Channel Interface and Network Channel Codes (Continued)

10.3.5 Compatible Channel Interfaces (Continued)

(I) High Capacity

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DSO-63	4DSO-63	4DS8-15	4DU8-8
4DSO-63	6DU8-A,B or C	4DS8-15J	6DU8-A
4DSO-63	4DU8-A,B or C	4DS8-15J	4DU8-A
4DS6-27	4DS6-27	4DS8-15K	6DU8-B
4DS6-27	6DU8-A,B or C	4DS8-15K	4DU8-B
4DS6-27	4DU8-A,B or C	4DS8-15K	6DU8-C
4DS6-44	4DS6-44	4DS8-15K	4D78-C
4DS6-44	6DU8-A,B or C	4DS9-31	4DS9-31
4DS6-44	4DU8-A,B or C	4DS9-31	6DU8-A,B or C
4DS8-15	4DS8-15+	4DS9-4DU8-A,B or C	
4DS8-15	6DU8-B	4DU9-A,B or C	4DU8-A,B or C

+ Available only as a cross connect of two individual circuits of 1.544 Mbps facilities at a Telephone Company hub.

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**ACCESS SERVICE**

**11. Special Federal Government Access Services**

**11.1 General**

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

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**ACCESS SERVICE**

**11. Special Federal Government Access Services (Continued)**

**11.2 Emergency Conditions**

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the Nation Communications System in the "National Plan for Emergencies and Major Disasters").
- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)

Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.
- Political unrest in foreign countries which affect the national interest.
- Presidential service.

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**ACCESS SERVICE**

**11. Special Federal Government Access Services (Continued)**

**11.3 Intervals to Provide Service**

Services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.1.7 preceding.

**11.4 Safeguarding of Service**

**11.4.1 Facility Availability**

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

**11.5 Federal Government Regulations**

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

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**ACCESS SERVICE**

**11. Special Federal Government Access Services (Continued)**

**11.6 Service Offerings to the Federal Government (Continued)**

**11.6.3 Rates and Charges**

(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
--	----------------------	-----------------------------	----------------------------

Type I, each T-3 Conditioning,	ICB rates and charges apply
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Additional Conditioning, per service termination	ICB rates and charges apply
---	-----------------------------

Type II, each G-1 Conditioning,	ICB rates and charges apply
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Type III, each G-2 Conditioning,	ICB rates and charges apply
-------------------------------------	-----------------------------

Additional Conditioning, per service termination	ICB rates and charges apply
---	-----------------------------

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
--	----------------------	-----------------------------	----------------------------

Type VI, each G-3 Conditioning,	ICB rates and charges apply
------------------------------------	-----------------------------

Additional Conditioning, per service termination	ICB rates and charges apply
---	-----------------------------

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**ACCESS SERVICE**

**11. Special Federal Government Access Services (Continued)**

**11.6 Service Offerings to the Federal Government (Continued)**

**11.6.3 Rates and Charges (Continued)**

(D) Special Routing Access Services

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service:

	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Special Routing Access Service Special Routing Plan Setup, per Switching System	-	\$ 200.00
(2) Special Routing Access Service Trunk Group Setup, per End Office or Tandem Office, Switching System per occurrence	-	1000.00
(3) Special Routing Access Service Mode Selection (Active or Deactive), per Switching System per occurrence	-	200.00
(4) Special Routing Access Service Maintenance and Administration, per Switching System per month*	\$150.00	-

\* This rate applies only to Switching Systems with this feature.

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**ACCESS SERVICE**

**12. Special Facilities Routing of Access Services**

**12.1 Description of Special Facilities Routing of Access Services**

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

**12.1.1 Diversity**

Two or more services must be provided over not more than two different physical routes.

**12.1.2 Avoidance**

A service must be provided on a route which avoids specified geographical locations.

**12.1.3 Cable-Only Facilities**

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6; Metallic and Telegraph Grade, Voice Grade and Wideband Analog Special Access Services as set forth in 7.3, 7.4, 7.5 and 7.8 preceding and Special Federal Government Access Services as set forth in 11.6 preceding. (T)  
 Cable-Only Facilities are available for Switched Access Service as set forth in Section 6; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 11.6 preceding. (T)

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

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**ACCESS SERVICE**

**12. Special Facilities Routing of Access Services (Continued)**

**12.1 Description of Special Facilities Routing of Access Services (Continued)**

**12.1.3 Cable-Only Facilities**

The rates and charges for Special Facilities Routing of Access Services as set forth in 12.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

**12.2. Rates and Charges for Special Facilities Routing of Access Service**

The rates and charges for Special Facilities Routing of Access Services are as follows:

**12.2.1 Diversity**

For each service provided in accordance with 12.1.1 preceding, the rates and charges will be developed on an individual case basis:

**12.2.2 Avoidance**

For each service provided in accordance with 12.1.2 preceding, the rates and charges will be developed on an individual case basis:

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**ACCESS SERVICE**

**12. Special Facilities Routing of Access Services (Continued)**

**12.2 Rates and Charges for Special Facilities Routing of Access Services (Continued)**

**12.2.3 Diversity and Avoidance Combined**

For each service provided in accordance with 12.1.1 and 12.1.2 preceding, combined, the rates and charges will be developed on an individual case basis:

**12.2.4 Cable-Only Facilities**

For each service provided in accordance with 12.1.3 preceding, the rates and charges will be developed on an individual case basis:

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**ACCESS SERVICE**

**13. Specialized Service or Arrangements**

**13.1 General**

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

**13.2 Rates and Charges**

Rates and charges and additional regulations if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

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**ACCESS SERVICE**

**14. Exceptions to Access Service Offerings**

The service offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 14.1 through 14.5 following are reserved for future listing. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer premises city to assure itself that all of the service or service components required for a given customer service are currently available).

**14.1** The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

(Reserved for future use).

**14.2** The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

(Reserve for future use).

**14.3** The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.

(Reserve for future use).

**14.4** The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.

(Reserved for future use).

**14.5** The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However inside moves or rearrangements will not be permitted.

(Reserved for future use).

(Continued)

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION**

**15.1 Application of Tariff**

This section contains regulations, rates, charges, and liabilities applicable for the special construction of intrastate facilities provided by the Telephone Company.

When special construction of facilities is required, the provisions of this section apply in addition to all regulations, rates, and charges set forth in the appropriate service tariff.

**15.2 Regulations**

**15.2.1 Filing of Charges**

Rates, charges, and liabilities for special construction to provide facilities for use for one month or more are filed in Section 15.3 following, as appropriate.

Rates, charges, and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

**15.2.2 Ownership of Facilities**

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

**15.2.3 Interval to Provide Facilities**

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established, and the customer will be notified.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION (Continued)**

**15.2 Regulations (Continued)**

**15.2.4 Special Construction Involving Both Interstate and Intrastate Facilities**

When special construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide interstate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide intrastate service shall be in accordance with the appropriate intrastate tariff.

**15.2.5 Payments for Special Construction**

**15.2.5.1 Payment of Charges**

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service tariff.

**15.2.5.2 Start/End of Billing**

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued.

**15.2.5.3 Credit Allowance for Service Interruptions**

In the event of a service interruption involving a specially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions in the appropriate service tariff associated with the affected services.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified in 15.2.6.4(A)(4) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION**

**15.2 Regulations (Continued)**

**15.2.6 Liabilities and Charges for Special Construction**

**15.2.6.1 General**

This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.

**15.2.6.2 Conditions Requiring Special Construction**

Special construction is required when (1) facilities are not available to meet an order for service, and (2) the Telephone Company constructs facilities, and (3) one or more of the following conditions exists:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is requested that construction be expedited, resulting in added cost to the Telephone Company.

**15.2.6.3 Development of Liabilities and Charges**

Special construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled service date when actual costs are requested, an initial special construction filing may be made based on estimated costs. Such a filing will be revised when actual costs are available.

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**ACCESS SERVICE**

15. **SPECIAL CONSTRUCTION** (Continued)

15.2 **Regulations** (Continued)

15.2.6 **Liabilities and Charges for Special Construction** (Continued)

15.2.6.4 **Types of Liabilities and Charges**

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(A) **Nonrecurring Charge**

A nonrecurring charge always applies and includes one or more of the following components:

(1) **Case Preparation Charge**

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

(2) **Expediting Charge**

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and nonexpedited construction.

(3) **Optional Payment**

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

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**ACCESS SERVICE**

15. **SPECIAL CONSTRUCTION** (Continued)

15.2 **Regulations** (Continued)

15.2.6 **Liabilities and Charges for Special Construction** (Continued)

15.2.6.4 **Types of Liabilities and Charges** (Continued)

(A) **Nonrecurring Charge** (Continued)

(4) **Replacement Charge**

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(5) **Rearrangement Charge**

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any additional special construction will apply.

(6) **Special Construction of Facilities for Use for Less Than One Month**

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

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**ACCESS SERVICE**

15. **SPECIAL CONSTRUCTION** (Continued)

15.2 **Regulations** (Continued)

15.2.6 **Liabilities and Charges for Special Construction** (Continued)

15.2.6.4 **Types of Liabilities and Charges** (Continued)

(B) **Maximum Termination Liability and Termination Charge**

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial tariff filing in decreasing amounts at ten-year intervals over the average account life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten, the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27-Year Average Account Life

<u>Maximum Termination Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
\$10,000	6/1/84	6/1/94
7,000	6/1/94	6/1/04
3,000	6/1/04	6/1/11

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges, or (B) extend the use of the specially constructed facilities for the new liability period.

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**ACCESS SERVICE**

15. **SPECIAL CONSTRUCTION (Continued)**

15.2 **Regulations (Continued)**

15.2.6 **Liabilities and Charges for Special Construction (Continued)**

15.2.6.4 **Types of Liabilities and Charges (Continued)**

(B) **Maximum Termination Liability and Termination Charge (Continued)**

The Telephone Company will notify the customer six months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification at least 30 days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specially constructed facilities were discontinued, at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION (Continued)**

**15.2 Regulations (Continued)**

**15.2.6 Liabilities and Charges for Special Construction (Continued)**

**15.2.6.4 Types of Liabilities and Charges (Continued)**

**(B) Maximum Termination Liability and Termination Charge (Continued)**

Example:

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 specially constructed facilities requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is \$60,000. The partial termination charge, in this example, is \$60,000 x 900/3600, or \$15,000.

**(C) Annual Underutilization Liability and Underutilization Charge**

Prior to the start of special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, and (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereinafter referred to as the Initial Liability Period (ILP). The ILP is listed in the tariff with an effective and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70 percent of the specially constructed facilities are in service at filed tariff service rates.

An annual underutilization liability amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return, taxes, and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon the expiration of the ILP, the number of underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

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ACCESS SERVICE

15. SPECIAL CONSTRUCTION (Continued)

15.2 Regulations (Continued)

15.2.6 Liabilities and Charges for Special Construction (Continued)

15.2.6.4 Types of Liabilities and Charges (Continued)

(C) Annual Underutilization Liability and Underutilization Charge (Continued)

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual underutilization liability amount to determine the underutilization charge for the preceding 12-month period.

Example:

A customer orders 100 services and the special construction of a 600 pair building riser cable is agreed to, based on the customer's 5-year facility requirements. The ILP, in this example, would be filed at 5 years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs were in service at the end of the ILP, there would be an underutilization of 20 pairs; i.e., 420 (70% of 600) - 400 = 20. The total underutilization charge for the first 5 years would be \$200.00, or \$2.00 per pair x 20 pairs x 5 years.

If 420 pairs are on service at the end of the sixth year, there is no underutilization; i.e., 420 - 420 = 0.

(D) Recurring Monthly Charges

(1) Charge for Route or Type Other Than Normal

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION**

**15.2 Regulations (Continued)**

**15.2.6 Liabilities and Charges for Special Construction (Continued)**

**15.2.6.4 Types of Liabilities and Charges (Continued)**

(D) Recurring Monthly Charges (Continued)

(1) Charge for Route or Type Other Than Normal (Continued)

- (a) When an Optional Payment Charge as set forth in 15.2.6.4(A)(3) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.
- (b) If the actual cost option as set forth in 15.2.6.3 preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

(E) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(F) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

**15.2.7 Deferral of Start of Service**

The Telephone Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions set forth in the service tariff under which service is being provided. Requests for special construction deferral must be in writing and are subject to the following regulations:

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION (Continued)**

**15.2 Regulations (Continued)**

**15.2.7 Deferral of Start of Service (Continued)**

**15.2.7.1 Construction Has Not Begun**

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

**15.2.7.2 Construction Has Begun**

If the construction of facilities has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

**(A) All Services Are Deferred**

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

**(B) Some Services Are Deferred**

When some services which will use the specially constructed facilities are deferred, the construction case will be completed, and all special construction charges will apply.

**15.2.7.3 Construction Complete**

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION (Continued)**

**15.2 Regulations (Continued)**

**15.2.8 Definitions**

Actual Cost - The term "Actual Cost" denotes all costs charged against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

Facilities - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide interstate services.

Initial Liability Period - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

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**ACCESS SERVICE**

15. **SPECIAL CONSTRUCTION** (Continued)

15.2 **Regulations** (Continued)

15.2.8 **Definitions** (Continued)

Net Salvage - The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

Nonrecoverable Cost - The term "Nonrecoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the service be terminated.

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

Recoverable Cost - The term "Recoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

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**ACCESS SERVICE**

**15. SPECIAL CONSTRUCTION (Continued)**

**15.3 Charges to Provide Permanent Facilities**

This section contains special construction charges to provide permanent facilities. Charges are developed on an individual case basis and are filed following:

<u>Case No.</u>	<u>Telephone Co./ Customer Name</u>	<u>Description</u>	<u>Charge/ Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
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**ACCESS SERVICE**

**16. OPEN NETWORK ARCHITECTURE (ONA)**

Frontier Communications of the Southwest Inc., assents to, adopts, and concurs in the ONA services (T)  
(basic serving arrangements and basic service elements) of the Frontier Telephone Companies FCC (T)  
Tariff No. 6.

(Continued)

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE**

APPLICABILITY

This tariff is applicable to Access Services provided to Competitive Local Exchange Carriers (CLECs), which have been certified by the Public Utilities Commission of Nevada, and by Frontier Communications of the Southwest Inc. hereinafter referred to as the Company. Other requirements for CLECs are set forth in the following sections of this tariff. (T) (T)

Services offered in this tariff are provided within serving areas of Frontier Communications of the Southwest Inc. in the State of Nevada as defined in the Company's Local and/or General Tariffs. (T) (T)

Services offered by this tariff are available where facilities and conditions permit. Provision of new or additional facilities may be available on an Individual Case Basis.

(Continued)

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.1 General**

**17.1.1** Frontier (hereafter referred to as the Company) shall provide collocation services in accordance with, and subject to, the terms and conditions of this tariff and any additional applicable regulations in other Company tariffs. The Company shall provide collocation services under this tariff only to those parties which have an effective interconnection agreement with the Company for this state under Sections 251 and 252 of the Telecommunications Act of 1996, or have adopted such an agreement pursuant to Section 252(i) thereof. Requesting carriers may also seek to negotiate rates, terms, and conditions that are in addition to, or different from, the rates, terms, and conditions in this tariff to the extent permitted by applicable law. As required by applicable law, the Company shall also offer rates, terms, and conditions for collocation services that are not expressly addressed in this tariff or other Company tariffs on Bona Fide Request ("BFR") basis, and in doing so, shall comply with all applicable federal or state requirements. By agreeing to the terms of this tariff or the collocation of any equipment hereunder: (1) the Company does not waive, and expressly reserves, its rights to continue to challenge the legality of the FCC Collocation Order (Docket No. 98-147) and to take further action regarding this matter as future circumstances warrant; (2) the Company does not intend to, and therefore does not establish any precedent, waiver, course of dealing or in any way evidence the Company's position or intent with regard to future collocation requests; (3) the Company specifically reserves the right to incorporate herein the decision by the United States Court of Appeals for the District of Columbia Circuit on March 17, 2000 and any other subsequent court decisions affecting rules adopted by the FCC to implement collocation under Section 251 of the Telecommunications Act of 1996 (See, GTE Service Corporation, et. al, v, Federal Communications Commission and United States of America, No. 99-1176, consolidated with No. 99-1201, 2000 U.S. App. LEXIS 4111 (D.C. Cir. 2000).

Wholesale services offered under this tariff will be offered consistent with obligations under the FCC's decision to deregulate resale services, UNE loops, and UNE transport. *See Petition for Forbearance Pursuant to 47 U.S.C. § 160(c) to Accelerate Investment in Broadband and Next Generation Networks*, WC Docket No. 18-141, Memorandum Opinion and Order, 34 FCC Rcd 6503 (Aug. 2, 2019); *Business Data Services, Report and Order on Remand and Memorandum Opinion Order*, WC Docket Nos. 18-141 et al., 34 FCC Rcd 5767 (rel. July 12, 2019). CLECs and local service resellers may continue to order UNE transport under this Tariff through January 12, 2020, and resale services and analog UNE Loops under this Tariff through February 2, 2020. The Telco will not accept orders for UNE transport under this Tariff after January 12, 2020, or resale services or analog UNE loops under this Tariff after February 2, 2020. Resale services and analog UNE loops ordered after February 2, 2020 will be provided pursuant to an alternative commercial agreement no later than July 12, 2022, and embedded base resale services and analog UNE loops must be transitioned to an alternative commercial agreement no later than August 2, 2022.

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.1 General**

**17.1.1 (continued)**

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Effective October 1, 2021, UNE DS3 loop orders will no longer be accepted in competitive counties published at: <https://www.fcc.gov/bds-competitive-and-noncompetitive-lists> (or relevant successor site). Effective February 8, 2024, existing UNE DSS3 loops will be sunset and will no longer be offered under the tariff. Customers must contact Frontier for an alternative commercial agreement. Effective October 1, 2021, UNE dark fiber transport orders will no longer be accepted under the tariff for routes in which both the "to" and "from" wire centers are on the list published at: <https://www.fcc.gov/cli-code-list> (or relevant successor site). Effective February 8, 2029, UNE dark fiber transport circuits that were ordered prior to October 1, 2021 and are on routes in which both the "to" and "from" wire centers are on the list published at: <https://www.fcc.gov/cli-code-list> (or relevant successor site), will no longer be available under the tariff. Please contact Frontier for potential alternative commercial arrangements. UNE dark fiber transport orders will continue to be accepted under the tariff only for routes in which either the "to" or "from" wire centers (or both) are not on the list published at: <https://www.fcc.gov/cli-code-list>.

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**17.1.2** Collocation provides for access to the Company's premises for the purpose of interconnection and/or access to unbundled network elements, including, its central offices, serving wire centers and all other buildings or similar structures owned, leased, or otherwise controlled by the Company that house the Company's network facilities.

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.1 General (Continued)**

**17.1.3** Collocation shall be accomplished through caged, cageless, virtual, or microwave collocation, except in those instances where not practical for technical reasons or due to space limitations. In such cases, the Company shall provide adjacent collocation or other methods of collocation, subject to space availability and technical feasibility.

**17.1.4** The provision of collocation by the Company, as set forth in this tariff, does not constitute a joint undertaking with the Competitive Local Exchange Carrier (CLEC) for the furnishing of services. In addition, the regulations, terms and conditions of this tariff do not apply to any CLEC offering of services to its subscribers.

**17.2 Description of Types of Collocation**

**17.2.1 Single Caged**

A single caged arrangement is a form of caged collocation, which allows a single CLEC to lease caged floor space to house its equipment within a Company premises.

**17.2.2 Shared Caged**

A shared caged arrangement is a newly constructed caged collocation arrangement that is jointly applied for and occupied by two or more CLECs within a Company premises. When two or more CLECs request establishment and jointly apply for a new caged collocation arrangement to be used as a shared caged arrangement, one of the participating CLECs must agree to be the Host CLEC (Host) and the other(s) to be the Guest CLEC (Guest).

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.2 Description of Types of Collocation (Continued)**

**17.2.2 Shared Caged (Continued)**

The Host and Guest(s) are solely responsible for determining whether to share a shared cage collocation arrangement and if so, under what terms and conditions. The Host and Guest(s) must each be interconnected to the Company for the exchange of traffic with the Company and/or to access unbundled network elements. The Company will not issue separate billing for any of the rate elements associated with the shared caged collocation arrangement between the Host and the Guest(s), but the Company will provide the Host with information on the proportionate share of the non-recurring charges for each CLEC in the shared arrangement. The Host will be responsible for ordering and payment of all collocation applicable services ordered by the Host and Guest(s). Each Host and Guest will be responsible for ordering their own unbundled network elements from the Company. The Company will separately bill the Host and/or Guest(s) for unbundled network elements ordered.

The Host CLEC and Guest(s) are the Company's customers and have all the rights and obligations applicable hereunder to CLECs purchasing collocation-related services, including, without limitation, the obligation to pay all applicable charges, whether or not the Host is reimbursed for all or any portion of such charges by the Guest(s). All terms and conditions for caged collocation as described in this tariff will apply to shared caged collocation requirements.

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.2 Description of Types of Collocation (Continued)**

**17.2.3 Subleased Caged**

Vacant space available in a CLEC's existing caged collocation arrangement may be made available to a third party for the purpose of interconnection and/or for access to unbundled network elements in the Company's premises via the subleasing collocation arrangement. The CLEC subleases floor space to the third party pursuant to terms and conditions agreed to by the CLEC and third party involved. The CLEC and third party must each be interconnected to the Company for the exchange of traffic with the Company and/or to access unbundled network elements.

The CLEC is solely responsible for determining whether to sublease a caged collocation arrangement and if so, upon what terms and conditions. The Company will not issue separate billing for any of the rate elements associated with the subleased caged collocation arrangements between the CLEC and the third party. The CLEC will be responsible for ordering and payment of all collocation applicable services ordered by the CLEC and the third party/parties.

Each CLEC and third party will be responsible for ordering their own unbundled network elements from the Company. The Company will separately bill the CLEC and third party/parties for unbundled network elements ordered. The CLEC and third party/parties are the Company's customers and have all the rights and obligations applicable hereunder to CLEC customers purchasing collocation-related services, including, without limitation, the obligation to pay all applicable charges, whether or not the CLEC is reimbursed for all or any portion of such charges by the third party/parties. All terms and conditions for caged collocation as described in this Tariff will apply to subleased caged collocation requirements.

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**ACCESS SERVICE**

**17. COLLOCATION SERVICE (Continued)**

**17.2 Description of Types of Collocation (Continued)**

**17.2.4 Cageless**

Cageless collocation is a form of collocation in which CLECs can place their equipment in Company premises space. A cageless collocation arrangement allows a CLEC, using Company approved vendors, to install equipment in single bay increments in an area designated by the Company. The equipment location will be designated by the Company and will vary based on individual premises configurations. CLEC equipment will not share the same equipment bays with Company equipment.

**17.2.5 Adjacent**

An adjacent collocation arrangement permits a CLEC to construct or procure a structure on Company property for collocation for the purposes of provisioning expanded interconnection and/or access to unbundled network elements in accordance with the terms and conditions of this tariff.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.2 Description of Types of Collocation (Continued)**

**17.2.5 Adjacent (Continued)**

Adjacent collocation is only an option when the following conditions are met:

- Space is legitimately exhausted in the Company's premises for caged and cageless collocation; and
- It is technically feasible to construct or procure a hut or similar structure on Company property that adheres to local building code, zoning requirements, and Company building standards.

The CLEC is responsible for complying with all zoning requirements, any federal, state or local regulations, ordinances and laws, and obtaining all associated permits. The Company may, where required, participate in the zoning approval and permit acquisitions. The CLEC may not take any action in establishing an adjacent structure that will force the Company to violate any zoning requirements or any federal, state or local regulations, ordinances, or laws.

Any construction by the CLEC on Company property must comply with Company technical specifications as they relate to environmental safety and grounding requirements set forth in the Company's Collocation Services Packet. The Company will make available power and physical collocation services to the CLEC in the same non-discriminatory manner as it provides to itself for the Company's own Remote Equipment Buildings (REBs).

**17.2.6 Virtual**

Under virtual collocation, the Telephone Company installs and maintains CLEC provided equipment which is dedicated to the exclusive use of the CLEC in a collocation arrangement. Additional details on virtual collocation are set forth in 17.12.

**17.2.7 Microwave**

Physical collocation of microwave transmission facilities will be permitted on a first-come, first-served basis except where such collocation is not practical for technical reasons or because of space limitations. Microwave collocation provides for the interconnection of CLEC or Company provided facilities, equipment and support structures located in, on or above the exterior walls and roof of Company premises. Additional details on microwave collocation are set forth in 17.13.

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**ACCESS SERVICES**

17. **COLLOCATION SERVICE** (Continued)

17.3 **Ordering Conditions**

17.3.1 **Application**

(A) **Point of Contact**

The CLEC must request collocation arrangements through the Company's point of contact. Completed applications for collocation must be sent directly to the Company's Collocation Project Manager at the following address:

Collocation Manager  
 1500 MacCorkle Avenue Rm 222  
 Charleston, WV 25396  
 (Phone) 866 351-7673  
 (fax) 304-344-7893  
 Email: wvcollocation@ncnetwork.net

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Additional information and requirements regarding collocation may be obtained from the Company's public website at [www.Frontieronline.com](http://www.Frontieronline.com).

(B) **Application Form/Fee**

CLECs requesting collocation at a premises will be required to complete the application form and submit the non-refundable engineering fee set forth in 17.18 following for each premises at which collocation is requested. The application form will require the CLEC to provide all engineering, floor space, power, environmental and other requirements necessary for the function of the service. The CLEC will also provide the Company with specifications for any non-standard or special requirements at the time of application. The Company reserves the right to assess the CLEC any additional charges not included in 17.18 following on an individual case basis associated with complying with the application request.

The Company will process collocation requests from CLECs on a first-come, first-service basis pursuant to the Company's receipt of a completed application form and the non-refundable engineering fee.

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17. COLLOCATION SERVICE (Continued)

17.3 Ordering Conditions (Continued)

17.3.1 Application (Continued)

(C) (Reserved for Future Use)

(D) Changes

If the CLEC submits a change to the original application, the scheduled completion date (as determined by the original completed application receipt date) may be changed. If the application change is material and affects the scheduled completion date of the original application, the CLEC will be notified within eight (8) business days following receipt of the application change. Example of material changes would be changes related to DC Power requirements, floor space, and facility terminations.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.3 Ordering Conditions (Continued)**

**17.3.2 Space Availability**

Subject to forecasting requirements in Section 17.4.2 following, the Company will inform the CLEC whether space is available to accommodate the CLEC's request within eight (8) business days after receipt of an application. The Company's response will be one of the following:

- (1) There is space and the Company will proceed with the arrangement.
- (2) There is no space. The Company will proceed as described in Section 17.5.1 following in accordance with tariff provisions pertaining to verification of space limitations.
- (3) There is no readily available space, however, the Company will determine whether space can be made available and will notify the CLEC within 20 business days. At the end of this period, the Company will proceed as described in (1) or (2) above.

**17.3.3 Collocation Schedule**

If space is available, the Company will provide to the CLEC a collocation schedule describing the Company's ability to meet the physical (caged or cageless) collocation request within eight business days. The CLEC shall have nine business days from receipt of a Company provided collocation schedule to pay 50% of the NRCs associated with the ordered collocation services.

If the application is deficient, the Company will specify in writing, within eight business days, the information that must be provided by the CLEC in order to complete the application. A CLEC that resubmits a revised application curing any deficiencies in its original application within 10 calendar days after being informed of them shall retain its position within the collocation application queue.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.3 Ordering Conditions (Continued)**

**17.3.4 (Reserved for Future Use)**

**17.3.5 Augmentation**

All requests for an addition, partial reduction, or change to an existing collocation arrangement that has been inspected and turned over to the CLEC is considered an augmentation. An augmentation request will require the submission of a complete application form and a non-refundable Engineering or Minor Augment fee. A Minor Augment fee may not be required under certain circumstances as outlined below. The definition of a major or minor augment is as follows:

- (A) Major Augments are those requests that require additional AC or DC power, add equipment that generates more BTUs of heat, add transmission or power cables, or an increase in floor space, over what the CLEC requested in its original application. A complete application and Engineering Fee will be required when submitting a request that requires a major augment.
- (B) Minor Augments of collocation arrangements will require the submission of a complete application form and the Minor Augment Fee. Minor augments are those requests that do not require more AC or DC power, do not add equipment that generates more BTUs of heat, do not add transmission or power cables, or do not increase the floor space, over what the CLEC requested in its original application. The requirements for a minor augment request cannot exceed the capacity of the existing electrical/power or HVAC system. Requests for additional DSO, DS1, and DS3 cross connects to access unbundled network elements are included as minor augments providing no additional transmission cables are required.

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**17. COLLOCATION SERVICE (Continued)**

**17.3 Ordering Conditions (Continued)**

**17.3.5 Augmentation (Continued)**

(B) (Continued)

Minor augments that require an augment fee are those requests that require the Company to perform a service or function on behalf of the CLEC including but not limited to: installation of virtual equipment cards or software upgrades, removal of virtual equipment, requests to pull cable from exterior microwave facilities, and requests to terminate DS0, DS1, and DS3 cables.

Minor augments that do not require a fee are those augments performed solely by the CLEC, that do not require the Company to provide a service or function on behalf of the CLEC, including but not limited to, requests to install additional equipment in the CLEC's cage. Prior to the installation of the additional equipment the CLEC agrees to provide the Company with an application form with an updated equipment listing that includes the equipment to be installed in the CLEC's collocation arrangement. Once the updated equipment list is submitted to the Company, the CLEC may proceed with the augment. The CLEC agrees that changes in equipment provided by the CLEC under this provision will not exceed the engineering specifications for power and HVAC as requested on the original application. All augments will be subject to Company inspection, in accordance with the terms of this tariff for the purpose of ensuring compliance with Company safety standards.

**17.3.6 Expansion**

The Company will not be required to construct additional space to provide for caged, cageless and/or adjacent collocation when available space has been exhausted. Where the CLEC seeks to expand its existing collocation space, the Company shall make contiguous space available to it to the extent possible; however, the Company does not guarantee contiguous space to the CLEC to expand its existing collocation space.

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**17. COLLOCATION SERVICE (Continued)**

**17.3 Ordering Conditions (Continued)**

**17.3.6 Expansion (Continued)**

CLEC requests for expansion of existing space within a specific premises will require the submission of an application form and the appropriate major augment fee.

**17.3.7 Relocation**

CLEC requests for relocation of the termination equipment from one location to a different location within the same premises will be handled on an ICB basis. The CLEC will be responsible for all costs associated with the relocation of its equipment.

**17.4 Installation and Operation**

**17.4.1 Joint Planning and Implementation Intervals for Physical Collocation**

(A) The Company and the CLECs shall work cooperatively in meeting the standard implementation milestones and deliverables as determined during the joint planning process. The physical collocation arrangement implementation interval is 76 business days for all standard arrangement requests which were properly forecasted six months prior to the application date, subject to tariff provisions for forecasting and capacity. Major construction obstacles or special applicant requirements may extend the interval by 15 business days, resulting in a 91 business day interval. The interval for collocation augments which were properly forecasted six months prior to the application date, subject to tariff provisions for forecasting and capacity, is 45 business days where the necessary infrastructure is installed and available for use. Such augments are limited to the following:

- (1) 800 2 wire voice grade terminations, or
- (2) 400 4 wire voice grade terminations, or
- (3) 600 line sharing/line splitting facilities, where line sharing/splitting already exists within the central office and where the CLEC is eligible for line sharing/line splitting, or
- (4) 28 DS1 terminations, or
- (5) 24 DS3 terminations, or
- (6) 12 fiber terminations, or
- (7) Conversion of 2 wire voice grade to 4 wire (minimum 100 – maximum 800), or
- (8) 2 feeds (1A and 1B) DC power fused at 60 amps or less, or

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4.1 Joint Planning and Implementation Intervals for Physical Collocation (Continued)**

(A) (Continued)

(9) DC Power as defined in (8) preceding, plus any one additional item as defined in (1) through (7) preceding; or two of the following: a) 28 DS1 terminations; b) 3 DS3 terminations; or c) 12 fiber terminations. The CLEC must have 100% of all cables terminated to the existing cross connects for the one additional item selected and the in-service capacity of that selection must be at 85% utilization or above, unless the CLEC can demonstrate to the Company that: a) the previous two months trend in growth would exceed 100% of the available capacity by the end of the 45 business day augment interval; or b) the CLEC can demonstrate other good cause or causes to the Company that the CLEC's cross connect capacity may be exceeded by the end of the 45 business day augment interval.

(B) For 2 wire to 4 wire voice grade conversion, all pairs must be spare and in consecutive 100 pair counts.

(C) The following standard implementation milestones will apply, in business days, unless the Company and the CLECs jointly decide otherwise:

- Day 1 CLEC submits completed application and associated fee.
- Day 8 The Company notifies CLEC that request can be accommodated and advises of due date.
- Day 17 CLEC notifies the Company of its intent to proceed and submits 50% payment.
- Day 30 Material shipped is received at vendor warehouse; CLEC provided splitters delivered to vendor warehouse (Line Sharing Option C<sup>1</sup> only, and applicable only where the CLEC is eligible for line sharing/line splitting.)
- Day 45 Augment (as defined herein) completes.
- Day 76 The Company and CLEC attend collocation acceptance meeting and the Company turns over the collocation arrangement to the CLEC. Day 76 also applies to completion of other augments not defined herein.

(D) The 45 business day interval is subject to the following requirements:

- (1) Infrastructure to support the requested augment must be in place (e.g., cable racking from common area to distributing frames, relay racks for splitter shelves (Option C<sup>1</sup>), frame capacity for termination blocks, cable holes, fuse positions at existing BDFBs, etc.).
- (2) The CLEC must install sufficient equipment to support requested terminations/facilities.
- (3) In large central offices with complex cable runs (i.e., multiple floors), the Company may request to negotiate extensions to the 45 business day interval.

<sup>1</sup> Option C applicable to an approved Interconnection Agreement.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4.1 Joint Planning and Implementation Intervals for Physical Collocation (Continued)**

(E) A preliminary schedule will be developed outlining major milestones. The CLEC and the Company control various interim milestones they must meet to meet the overall intervals. The interval clock will stop, and the final due date will be adjusted accordingly, for each milestone the CLEC misses (day for day). When the Company becomes aware of the possibility of vendor delays, it will first contact the CLEC(s) involved to attempt to negotiate a new interval. If the Company and the CLEC cannot agree, the dispute will be submitted to the Commission for prompt resolution. The Company and the CLEC shall conduct additional joint planning meetings, as reasonably required, to ensure all known issues are discussed and to address any that may impact the implementation process. In the case of extended intervals resulting from within the Company's control or resulting from vendor delays, and provided the necessary security is in place, the Company will permit the CLEC access to the collocation arrangement to install equipment while the delayed work is completed, so long as it is safe to do so and the CLEC work does not impair or interfere with the Company in completing the Company's work. Prior to the CLEC beginning the installation of its equipment, the CLEC must sign a conditional acceptance of the collocation arrangement. If the CLEC elects to accept the space prior to the scheduled completion, occupancy fees for space as described in Section 17.18 following shall commence upon signing a conditional acceptance of the space by the CLEC.

The Company will permit the CLEC to take one escorted scheduled visit of the CLEC's collocation area during construction on a day mutually agreeable to both parties. The applicable labor rates in 17.18 following will be applied for the escorted visit. If any action is required to bring the collocation area into compliance with the collocation application, the Company and the CLEC may mutually agree to a follow-up visit to the collocation area to review the compliance work.

(F) Intervals for non-standard arrangements, including Adjacent Collocation, shall be mutually agreed upon by the CLEC and the Company.

(G) The Company will inform the Commission as soon as it knows it will require raw space conversion to fulfill a request based on application or forecast. Raw space conversion timeframes are negotiated on an individual case basis based on negotiations with the site preparation vendor(s). The Company will use its best efforts to minimize the additional time required to condition collocation space, and will inform the CLECs of the time estimates as soon as possible.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.2 Forecasting and Use of Data**

(A) The Company will request from the CLEC forecasts on a semi-annual basis, with each forecast covering a two-year period. The CLEC will be required to update the near-term (6-month) forecasted application dates. Information requested will include central office, month that applications are expected to be sent, requested in-service month, preference for Virtual or Physical (Caged or Cageless) collocation, square footage required (Physical), high-level list of equipment to be installed (Virtual), and anticipated splitter arrangements where the CLEC is eligible for line sharing/line splitting. For augments, the CLEC may elect to substitute alternative CLLI codes within a LATA for the forecasted demand.

If the Company has a written guarantee of reimbursement, it will examine forecasts for offices in which it is necessary to condition space, and discuss these forecasts with CLECs to determine the required space to be conditioned. If the Company commits to condition space based on forecasts, CLECs assigned space will give the Company a non-refundable deposit equal to the Engineering/Major Augment fee. The Company will perform initial reviews of requested central offices forecasted for the next six months to identify potential problem sites. The Company will consider forecasts in staffing decisions. The Company will enter into planning discussions with forecasting CLECs to validate forecasts, discuss flexibility in potential trouble areas, and assist in application preparation.

(B) Unforecasted demand (including augments) will be given a lesser priority than forecasted demand. The Company will make every attempt to meet standard intervals for unforecasted requests. However, if unanticipated requests push demand beyond the Company's capacity limits, the Company will negotiate longer intervals as required (and within reason). Interval adjustments will be discussed with the CLEC at the time the application is received. In general, if forecasts are received less than two months prior to the application date, the interval start day may be postponed as follows:

- No forecast: Interval Start Date commences 2 months after application receipt date.
- Forecast received 1 month or less prior to application receipt date: Interval Start Date commences 2 months after application receipt date.
- Forecast received greater than 1 month and less than 2 months prior to application receipt date: Interval Start Date commences 1 month after application receipt date.
- Forecast received 2 months or more prior to the application receipt date: Interval start date commences on the application receipt date.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.3 Collocation Capacity**

- (A) The Company's estimate of its present capacity (i.e. no more than an increase of 15% over the average number of applications received for the preceding three months in a particular geographic area) is based on current staffing and current vendor arrangements. If the forecasts indicate spikes in demand, the Company will attempt to smooth the demand via negotiations with the forecasting CLECs. If the Company and the CLEC fail to agree to smooth demand, the Company will determine if additional expenditures would be required to satisfy the spikes in demand and will work with the Commission Staff to determine whether such additional expenditure is warranted and to evaluate cost recovery options.
- (B) If the Company augments its workforce based on CLEC forecasts, the CLECs refusing to smooth demand as described in the preceding section will be held accountable for the accuracy of their forecasts.

**17.4.4. Vendor Capacity**

The Company will continuously seek to improve vendor performance for all premises work, including collocation. Since the vendors require notice in order to meet increases in demand, the Company will share CLEC actual and forecasted demand with appropriate vendors, as required, subject to the appropriate confidentiality safeguards.

**17.4.5 Responsibility for Vendor Delays**

No party shall be excused from their obligations due to the acts or omissions of a Party's subcontractors, material, person, suppliers or other third persons providing such products or services to such Party unless such acts or omissions are the product of a Force Majeure Event, or unless such delay or failure and the consequences thereof are beyond the reasonable control and without the fault or negligence of the Party claiming excusable delay or failure to perform.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

**(A) Cage Construction**

For caged collocation, the Company will construct the cage with a standard enclosure or the CLEC may subcontract this work to a Company approved contractor.

**(B) Site Selection/Power**

The Company shall designate the space on its premises where the CLEC shall collocate its equipment. The Company will assign collocation space to the CLEC in a just, reasonable, and nondiscriminatory manner. The Company will allow the CLEC requesting caged or cageless collocation to submit space preferences on the Application Form prior to assigning caged and cageless collocation space to the CLEC. The Company will assign caged and cageless space in accordance with the following standards: (1) The CLEC's collocation costs cannot be materially increased by the assignment; (2) The CLEC's occupation and use of the Company's premises cannot be materially delayed by the assignment; (3) The assignment cannot impair the quality of service or impose other limitations on the service the CLEC wishes to offer; and (4) The assignment cannot reduce unreasonably the total space available for caged and cageless collocation, or preclude unreasonably, caged and cageless collocation within the Company's premises.

The Company may assign caged and caged collocation to space separate from space housing the Company's equipment, provided that each of the following conditions is met: (1) Either legitimate security concerns, or operational constraints unrelated to the Company's or any of its affiliates' or subsidiaries competitive concerns, warrant such separation; (2) Any caged and cageless collocation space assigned to an affiliate or subsidiary of the Company is separated from space housing the Company's equipment; (3) The separated space will be available in the same time frame as, or a shorter time frame than, non-separated space; (4) The cost of the separated space to the CLEC will not be materially higher than the cost of non-separated space; and (5) The separated space is comparable, from a technical and engineering standpoint, to non-separated space.

The Company shall provide, at the rates set forth in 17.18. following, 48V DC power with generator and/or battery back-up, AC convenience outlet, heat, air conditioning and other environmental support to the CLEC equipment in the same standards and parameters required for Company equipment within that premises. The Company will be responsible for the installation of the AC convenience outlets, overhead lighting and equipment superstructure per the established rates.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

**(C) DC Power**

The Company will provide DC power to the collocation arrangement as specified by the CLEC in its Collocation application. The CLEC will specify the load on each feed and the size of the fuse to be placed on each feed. CLECs must order a minimum of ten (10) load amps for each caged and cageless collocation arrangement. CLECs may order additional DC Power (beyond the minimum) in one (1) amp increments. Charges for DC power will be applied based on the total number of load amps ordered on each feed.

For example, if a CLEC orders a total of 40 load amps of DC power and an A and B feed, the CLEC could order 20 load amps on the A feed and 20 load amps on the B feed. The Company will permit the CLEC to order a fuse size up to 2.5 times the load amps ordered provided that applicable law permits this practice. Thus, the CLEC could order that each feed be fused at 50 amps if the CLEC wants one feed to carry the entire load in the event the other feed fails. Accordingly, the CLEC will be charged on the basis of the total number of load amps ordered, i.e., 40 amps, and not based on the total number of amps available for the fuse size ordered.

The CLEC is responsible for engineering the power consumption in its collocation arrangements and therefore must consider any special circumstances in determining the fused capacity of each feed. The Company will engineer the power feeds to the collocation arrangement in accordance with industry standards based upon requirements ordered by the CLEC in its collocation application. Any subsequent orders to increase DC power load at a collocation arrangement must be submitted on a collocation application.

The Company reserves the right to perform random inspections to verify the actual power load being drawn by a collocation arrangement. At any time, without written notice, the Company may measure the DC power drawn at an arrangement by monitoring the power distribution point. In those instances where the Company needs access to the collocation arrangement to make these measurements, the Company will schedule a joint meeting with the CLEC.

- (1) If the inspection reveals that the power being drawn does not exceed the total number of load amps ordered, no further action will apply.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

**(C) DC Power (Continued)**

- (2) If the inspection reveals that the power being drawn is within the applicable buffer zone, as defined in this subsection, that arrangement is subject to the following treatment:
  - (a) The Company will provide the CLEC with written notification, by certified US mail to the person designated by the CLEC to receive such notice, that more power is being drawn than was ordered. Within ten (10) business days of the date of receipt of notification, the CLEC must reduce the power being drawn to match its ordered load or revise its power requirement to accommodate the additional power being drawn. The Company will accept a certification signed by a representative of the CLEC that power consumption has been reduced to match the ordered load. Failure to reduce the power being drawn or submit a revised application within ten (10) business days will result in an increase in the amount of power being billed to the audited load amount.
  - (b) For a collocation arrangement that has 100 amps or less fused, the buffer zone for the first two violations during a consecutive twelve (12) month period will be 120% of load, as long as the second violation is not for the same collocation arrangement as the first. For any subsequent violations, or if the second violation is for the same collocation arrangement, and for any violation where the collocation arrangement has more than 100 amps fused, the buffer zone will be 110% of load.
- (3) If the first inspection reveals that the power being drawn is greater than the applicable buffer zone specified in (2)(b) preceding, that arrangement is subject to the following treatment:
  - (a) The Company will notify the person designated by the CLEC to receive such notice via telephone or e-mail that the Company will take a second measurement no sooner than one (1) hour and no later than two (2) days after the initial inspection. The Company will not wait for the CLEC or require it to be present during the second inspection.
  - (b) The Company will assess a nonrecurring charge for the additional labor to perform this inspection. The nonrecurring charge applies for the first half-hour (or fraction thereof) and for each additional half-hour (or fraction thereof) per technician, per occurrence as shown in Section 17.18.51 following.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

(C) DC Power (Continued)

(3) (Continued)

- (c) The CLEC may perform its own inspection at the CLEC's cage. The CLEC is not required to wait for the Company or require it to be present during the CLEC test. Upon request of the CLEC, the Company will send a representative to accompany the CLEC to conduct a joint inspection at the CLEC cage at no charge to the CLEC. Nothing herein shall be construed to prohibit the CLEC from testing at its own cage. The CLEC will send the results of its own audit measurements to the Company if they are taken in response to a notice of violation under this section and if the CLEC's measurements differ from the Company's.
- (d) If the second test also exceeds the applicable buffer zone, the Company will provide the CLEC with written notification, within ten (10) business days, by certified U.S. mail to the person designated by the CLEC to receive such notice that it has exceeded its ordered power. The notification will include: (1) initials or identifying number of the Company technician(s) who performed the inspection; (2) dates and times of the inspections; (3) the make, model and type of test equipment used; (4) the length of monitoring and the results of the specific audit; (5) the total load amps currently being billed; (6) how the test was done; and (7) any other relevant information or documents.
- (e) The Company will maintain a file of results taken of any inspections for two (2) years and such file will be made available to the CLEC that was audited, upon request. The Company will treat as confidential information the identity of CLECs that it audits as well as the results of such audits, unless it receives prior written consent of the subject CLEC to disclose such information. The foregoing does not preclude the Company from making the notice described in paragraph f. following.
- (f) If the CLEC disagrees with the results of the audit, it will first notify the Company. The Company and the CLEC will make a good faith effort to resolve the issue. If the parties do not resolve the issue, either party can invoke the dispute resolution process noted in the applicable interconnection agreement. The dispute resolution process can be initiated by either party after thirty (30) calendar days have elapsed. This period commences: (1) ten (10) business days from receipt of the notification, in the case of violation within the buffer zone; or (2) after the CLEC has received notice of the second test, in the case of a violation over the buffer zone.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

(C) DC Power (Continued)

(3) (Continued)

(g) With the notification required by subparagraph (C)(3)(d), the Company will also notify the CLEC that it must submit a non-scheduled attestation of the power being drawn at each of its remaining collocation arrangements. The CLEC must submit this non-scheduled attestation within fifteen (15) business days of the date of this notification. Failure to submit this non-scheduled attestation will result in the application of additional labor charges for any subsequent DC power inspections the Company performs prior to receipt of the next scheduled attestation. Scheduled attestations are defined in this section.\*

(4) If the inspection reveals that the power being drawn is greater than the applicable buffer zone, then the penalty will be as follows:

(a) For the first such violation within the same consecutive twelve (12) month period, the CLEC will be billed the audited load amount for four (4) months. The CLEC will pay a separate and additional penalty as a contribution to the American Red Cross, measured as the difference between the billing of the fused capacity and the billing at the audited load for four (4) months. The CLEC must send notice of its American Red Cross contribution to the Company within ten (10) calendar days of making the contribution.

(b) For the second such violation within the same consecutive twelve (12) month period, the CLEC will be billed the audited load amount for five (5) months. The CLEC will pay a separate and additional penalty as a contribution to the American Red Cross, measured as the difference between the billing of the fused capacity and the billing at the audited load for five (5) months. The CLEC must send notice of its American Red Cross contribution to the Company within ten (10) calendar days of making the contribution.

(c) For the third such violation within the same consecutive twelve (12) month period, the CLEC will be billed the audited load amount for six (6) months. The CLEC will pay a separate and additional penalty as a contribution to the American Red Cross, measured as the difference between the billing of the fused capacity and the billing at the audited load for six (6) months. The CLEC must send notice of its American Red Cross contribution to the Company within ten (10) calendar days of making the contribution.

\* Scheduled Attestations are defined in the last paragraph on Sheet 557.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

(C) DC Power (Continued)

(4) (Continued)

(d) For more than three (3) violations within the same consecutive twelve (12) month period, the Company will bill at the fused amount for a minimum of six (6) months and continue to bill at the fused amount until an updated attestation or augment specifying revised power is received, and nothing will be contributed to the American Red Cross.

(e) The Company will notify the CLEC that it is being billed under a penalty situation, designating the applicable number of months and also calculating the penalty owed to the American Red Cross as a contribution, under the provisions set forth preceding.

(5) At the conclusion of any dispute resolution process, the above penalties (including the revised billing) will be self-executing.

(6) If the CLEC has requested a power augment under which the audited amount would be within the augmented load, plus the applicable buffer zone, and the augment is late due to the fault of the Company, the penalty will not be imposed and the parties will not count this instance for purposes of determining what type of penalty to impose under (4)(e) preceding.

Annually, each CLEC must submit a written statement signed by a responsible officer, which attests that it is not exceeding the total load of power as ordered in its Collocation applications (a "scheduled attestation"). This attestation, which must be received by the Company no later than the last day of June, shall individually list all of the CLEC's completed Collocation arrangements provided by the Company in the state. If the CLEC fails to submit this written statement by the last day in June, the Company will notify the CLEC in writing that it has thirty (30 days) to submit its power attestation. Failure to submit the required statement within the 30-day notice period will result in the billing of DC power at each Collocation arrangement to be increased to the total number of amps fused.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.6 Space Preparation**

**(C) DC Power (Continued)**

Whenever the Company is required to perform work on an Collocation arrangement as a result of a CLEC's order for a reduction in power requirements (e.g., change in fuse size), the Company will assess a nonrecurring charge for the additional labor. The nonrecurring charge applies for the first half-hour (or fraction thereof) and for each additional half-hour (or fraction thereof) per technician, per occurrence as shown in Section 17.18.51 following.

If the CLEC orders a change in the power configuration requiring new -48 volt DC power feeds to the collocation arrangement, the Company will require an Engineering/Major Augment Fee with an application as set forth in Section 17.18.1 following, subject to the terms and conditions described in Section 17.3.5 preceding. In addition, if a CLEC's order for a reduction in DC power requires the deployment of power cabling to a different power distribution point, the Engineering/Major Augment Fee, as set forth in Section 17.18.1 following, applies. The Company will work cooperatively with the CLEC to configure the new power distribution cables and disconnect the old ones.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities**

**(A) Purchase of Equipment**

The CLEC will be responsible for supply, purchase, delivery, installation and maintenance of its equipment and equipment bay(s) in the collocation area. The Company is not responsible for the design, engineering, or performance of CLEC equipment and provided facilities for collocation. Upon installation of all transmission and power cables for collocation services, the CLEC relinquishes all rights, title and ownership of transmission (excluding fiber entrance facility cable) and power cables to the Company

**(B) Permissible Equipment**

The Company shall permit the collocation and use of any equipment necessary for interconnection or access to unbundled network elements in accordance with the following standards: (1) Equipment is necessary for interconnection if an inability to deploy that equipment would, as a practical, economic, or operational matter, preclude the CLEC from obtaining interconnection with the Company at a level equal in quality to that which the Company obtains within its own network or the Company provides to any of its affiliates, subsidiaries, or other parties; and (2) Equipment is necessary for access to an unbundled network element if an inability to deploy that equipment would, as a practical, economic, or operational matter, preclude the CLEC from obtaining nondiscriminatory access to that unbundled network element, including any of its features, functions, or capabilities.

Multi-functional equipment shall be deemed necessary for interconnection or access to an unbundled network element if and only if the primary purpose and function of the equipment, as the CLEC seeks to deploy it, meets either or both of the standards set forth in the preceding paragraph. For a piece of equipment to be utilized primarily to obtain equal in quality interconnection or nondiscriminatory access to one or more unbundled network elements, there also must be a logical nexus between the additional functions the equipment would perform and the telecommunication services the CLEC seeks to provide to its customers by means of the interconnection or unbundled network element. The collocation of those functions of the equipment that, as stand-alone functions, do not meet either of the standards set forth in the preceding paragraph must not cause the equipment to significantly increase the burden on the Company's property.

Whenever the Company objects to collocation of equipment by a requesting CLEC for purposes within the scope of Section 251(c)(6) of the Act, the Company shall prove to the state commission that the equipment is not necessary for interconnection or access to unbundled network elements under the standard set forth above.

The CLEC may place in its collocation space ancillary equipment such as cross connect frames, and metal storage cabinets. However, metal storage cabinets must meet Company premise environmental standards.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

(C) Specifications

Collocation facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current editions of the National Electrical Code (NEC), the National Electrical Safety Code (NEC) and rules and regulations of the Occupational Safety and Health Act (OSHA), the Federal Communications Commission, the Commission, and any other governing authority having jurisdiction. All CLEC entrance facilities and splices must comply with Telecordia Technologies' Generic Specification for Optical Fiber and Optical Fiber Cable (TR-TSY-00020), Cable Placing Handbook, Cable Splicing Handbook, Cable Maintenance Handbook, and General Information Tools and Safety, as they relate to fire, safety, health, environmental safeguards or interference with Company services or facilities. The CLEC's designated and installed equipment located within the Company premises must comply with the most recent issue, unless otherwise specified, of Telecordia Technologies' Network Equipment Building System (NEBS) Generic Equipment Requirements (GR-CORE-63) as it pertains to safety requirements. This equipment must also comply with the most current issue, unless otherwise specified, of the Company's Network Equipment Installation Standards and the Company's Central Office Engineering Standards. Where a difference in specification may exist, the more stringent shall apply. If there is a conflict between industry standards and the Company's technical specifications, the CLEC and the Company will make a good faith effort to resolve the difference. If the CLEC and the Company cannot reach agreement, the dispute resolution process in the CLEC's interconnection agreement will be followed. The CLEC's designated facilities shall not physically, electronically or inductively interfere with the facilities of the Company, other CLEC(s), tenant(s) or any other party. If such interference occurs, the Company may take action as permitted under Section 17.10 of this Tariff.

CLEC equipment must conform to the same specific risk/safety/hazard standards which the Company imposes on its own central office equipment as defined in the Company's NEBS requirements RNSA-NEB-95-0003, Revision 10 or higher. CLEC equipment is not required to meet the same performance and reliability standards as the Company imposes on its own equipment as defined in the Company's RNSA-NEB-95-0003, Revision 10 or higher.

In addition, the CLEC may install equipment that has been deployed by the Company for five (5) years or more with a proved safety record; however, this provision does not prohibit the installation of equipment less than five years old provided the equipment meets the NEBS safety guidelines referenced in this section prior to the time of deployment.

The Company reserves the right to specify the type of cable, equipment and construction standards required in situations not otherwise covered in this Tariff. In such cases, the Company will, at its discretion, furnish to the CLEC written material which will specify and explain the required construction.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

(D) Cable

The CLEC is required to provide proper cabling, based on circuit type (VF, DS0, xDSL, DS1, DS3, etc.) to ensure adequate shielding and reduce the possibility of interference. The CLEC is responsible for providing fire retardant riser cable that meets Company standards. The Company is responsible for placing the CLEC's fire retardant riser cable from the cable vault to the collocation space. The Company is responsible for installing CLEC provided fiber optic cable in the cable space or conduit from the first manhole to the Company premises. This may be shared conduit with dedicated innerduct.

If the CLEC provides its own fiber optic facility, then the CLEC shall be responsible for bringing its fiber optic cable to the premises manhole. The CLEC must leave sufficient cable length for the Company to be able to fully extend such cable through to the CLEC's collocation space.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

(E) Manhole/Splicing Restrictions

The Company reserves the right to prohibit all equipment and facilities, other than fiber optic cable, from its entrance manholes. The CLEC will not be permitted to splice fiber optic cable in Manhole #1 (first Company manhole outside of the wire center). Where the CLEC is providing underground fiber optic cable in Manhole #1, it must be of sufficient length as specified by the Company to be pulled through the premises conduit to the CLEC collocation arrangement. The Company is responsible for installing a cable splice, if necessary, when CLEC provided fiber optic cable meets Company standards, within the premises cable vault or designated splicing chamber. The Company will provide space and racking for the placement of an approved secured fire retardant splice enclosure.

(F) Access Points and Restrictions

The interconnection point for caged and cageless collocation is the point where collocation cable facilities connect to Company termination equipment. The demarcation point for the CLEC is its terminal equipment or interconnect/cross connect panel within its cage, bay/frame or cabinet. The CLEC must tag all entrance facilities to indicate ownership.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

**(F) Access Points and Restrictions (Continued)**

The CLEC will not be allowed access to Company DSX line-ups, MDF or any other Company facility termination points. The DSX, MDF, and fiber distribution panel are to be considered Company demarcation points only. Only Company employees, agents or contractors will be allowed access to the MDF or DSX to terminate facilities, test connectivity, run jumpers and/or hot patch in-service circuits.

**(G) Staging Area**

For caged and cageless collocation arrangements, the CLEC shall have the right to use the designated staging area, a portion of the premises and loading areas, if available, on a temporary basis during its equipment installation work in the collocation space. The CLEC is responsible for protecting the Company's equipment and premises walls and flooring within the staging area and along the staging route. The CLEC will meet all Company fire, safety, security and environmental requirements. The temporary staging area will be vacated and delivered to the Company in an acceptable condition upon completion of the installation work. The CLEC may also utilize a staging trailer, which can be located on the exterior premises. The Company may assess the CLEC a market value lease rate for the area occupied by the trailer.

**(H) Testing**

Upon installation of the CLEC equipment, with prior notice, the Company will schedule an agreed upon time with the CLEC during the turn-up phase of the equipment to ensure proper functionality between CLEC equipment and the connections to Company equipment. The time period will fall within the Company's maintenance periods. The CLEC is solely responsible for providing its own monitor and test points, if required, for connection directly to its terminal equipment. If the CLEC cannot attend the scheduled turn-up phase meeting for any reason, the CLEC must provide the Company with seventy-two (72) hours advanced written notice prior to the scheduled meeting. If the CLEC fails to attend the scheduled meeting without providing advanced written notification, the Company reserves the right to charge the CLEC additional labor rates set forth in Section 17.18 for subsequent turn-up meetings with the CLEC which are required to complete the turn-up phase of the collocation arrangement.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

**(I) Interconnection Between Collocated Spaces**

Dedicated Transit Service (DTS), which allows for interconnection between CLECs, provides a dedicated electrical or optical path between collocation arrangements (caged, cageless, and virtual) of the same or of two different CLECs within the same Company premises, using Company provided distribution facilities. DTS is available for DS0, DS1, DS3, and dark fiber cross connects. In addition, the Company will also provide other technically feasible cross-connection arrangements, including lit fiber, on an Individual Case Basis (ICB) as requested by a CLEC. The Company will offer DTS to requesting CLECs as long as such access is technically feasible.

DTS is only available when both collocation arrangements (either caged, cageless, and/or virtual) being interconnected are within the same Company premises, provided that the collocated equipment is used for interconnection with the Company and/or for access to the Company's unbundled network elements. The Company shall provide such DTS connections from the CLEC's collocation arrangement to another collocation arrangement of the same CLEC within the same Telephone Company premises, or to a collocation arrangement of another CLEC in the same Telephone Company premises. DTS is provided at the same transmission level from CLEC to CLEC.

The DTS arrangement requires the requesting CLEC to provide cable assignment information for itself as well as for the other CLEC. The Company will not make cable assignments for DTS. The requesting CLEC is responsible for all DTS ordering, bill payment, disconnect orders and maintenance transactions and is the customer of record. The requesting CLEC must also provide a letter of agency from the CLEC it is connecting to that authorizes the DTS connection and facility assignment. DTS is provided on a negotiated interval with the requesting CLEC. DTS service order and service connection rates are specified in 17.18.

**(J) Optical Facility Terminations**

CLECs who request access to unbundled dark fiber and unbundled optical interoffice facilities may apply for a fiber optic patchcord connection(s) between the Company's fiber distribution panel (FDP) and the CLEC's collocated transmission equipment and facilities. The fiber optic patchcord cross connect is limited in use solely in conjunction with access to unbundled dark fiber, unbundled optical interoffice facilities, and Dedicated Transit Service.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.7 Equipment and Facilities (Continued)**

**(K) Non-Compliant Installations and Operations**

If at any time the Company reasonably determines that either the CLEC's collocation equipment or the engineering and installation do not meet the requirements outlined in this tariff, the CLEC will be responsible for the costs associated with the removal of equipment or modification of the equipment or engineering and installation to render it compliant. If the CLEC fails to correct any non-compliance with these standards within thirty (30) days' written notice to the CLEC, the Company may have the equipment removed or the condition corrected at the CLEC's expense. If, during the installation phase, the Company reasonably determines that any CLEC designated equipment is unsafe, non-standard or in violation of any applicable fire, environmental, security, or other laws or regulations, the Company has the right to immediately stop the work until the problem is corrected to the Company's satisfaction. However, when any of the above conditions poses an immediate threat to the safety of the Company employees, interferes with the performance of the Company's service obligations, or poses an immediate threat to the physical integrity of the overhead superstructure or any other facilities of the Company, the Company may perform such work and/or take such action that the Company deems necessary without prior notice to the CLEC. The reasonable cost of said work and/or actions shall be borne by the CLEC. The Company reserves the right to remove products, facilities and equipment from its list of approved products upon ninety (90) days' notice to the CLEC if such products, facilities and equipment are determined to be no longer compliant with NEBS safety standards. If the CLEC equipment poses an immediate safety threat, the CLEC shall remove the equipment immediately.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.8 Access to Collocation Space**

The Company will permit CLEC employees, agents, and contractors approved by the Company to have direct access to CLEC caged or cageless collocated equipment twenty-four (24) hours a day, seven (7) days a week and reasonable access to the Company's restroom facilities. The CLEC must abide by all Telephone Company security practices for non-Company employees with access to Company premises as described in the Company's security guidelines, which will be provided upon request. The Company reserves the right, with 24 hours prior notice to the CLEC, to access the CLEC's collocated partitioned space to perform periodic inspections to ensure compliance with Company installation, safety and security practices. Where the CLEC shares a common entrance to the premises with the Company, the reasonable use of shared building facilities, e.g., elevators, unrestricted corridors, etc., will be permitted. The Company reserves the right to permanently remove and/or deny access from Company premises any CLEC employee, agent, or contractor who violates the Company's policies, work rules, or business conduct standards, or otherwise poses a security risk to the Company.

**17.4.9 Network Outage, Damage and Reporting**

The CLEC shall be responsible for:

- Any damage or network outage occurring as a result of CLEC owned or designated termination equipment in Company premises;

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.9 Network Outage, Damage and Reporting (Continued)**

- Providing trouble report status when requested;
- Providing a contact number that is readily accessible 24 hours a day, 7 days a week;
- Notifying the Company of significant outages which could impact or degrade the Company's switches and services and provide estimated clearing time for restoral; and
- Testing its equipment to identify and clear a trouble report when the trouble has been sectionalized (isolated) to a CLEC service.

The Company will make every effort to contact the CLEC in the event CLEC equipment disrupts the network. If the Company is unable to make contact with the CLEC, the Company shall temporarily disconnect the CLEC's service, as provided in 17.4.11 following.

**17.4.10 Security Requirements**

**(A) Security Measures**

The CLEC must agree that its employees/vendors with access to Company premises shall at all times adhere to the rules of conduct established by the Company for the premises and Company personnel and vendors as described in the Company's Security Guidelines, which will be provided upon request. The Company reserves the right to make changes to such procedures and rules to preserve the integrity and operation of Company network or facilities or to comply with applicable laws and regulations. The Company will provide the CLEC with written notice of such changes. Where applicable, the Company will provide information to the CLEC on the specific type of security training required so its employees can complete such training.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.10 Security Requirements (Continued)**

**(A) Security Measures (Continued)**

The CLEC will maintain with the Company a list of all CLEC employees who are currently authorized by the CLEC to access its caged and cageless collocation space and will include social security numbers of all such individuals. The CLEC will also maintain with the Company a list of its collocated-approved vendors and their social security numbers who request access to caged and cageless collocation space. Only those individuals approved by the Company will be allowed access to Company premises and caged and cageless collocation space. Where required by agencies of federal, state, or local government, only individuals that are U.S. citizens will be granted access. All CLEC personnel must obtain and prominently display a valid non-employee Company identification card. Former employees of the Company will be given access to the Company premises by the CLEC in accordance with the Company's normal security procedures applicable to any Vendor(s) or Contractor(s) on the Company's premises. The Company reserves the right to revoke any identification badge and/or access card of any CLEC employee or agent found in violation of the terms and conditions set forth herein.

The CLEC must follow the Company's security guidelines, which are published on the Company's web site. The Company may suspend a CLEC employee or agent from the Company's premises if his/her actions materially affect the safety and/or integrity of the Company's network or the safety of Company or other CLEC employees/agents. Unless the CLEC employee or agent poses an immediate threat to the Company or other CLECs, the Company will provide the CLEC with a written explanation of violations committed by the CLEC employee or agent four (4) business days prior to suspending the CLEC employee or agent from Company premises. The CLEC will have two (2) business days to respond to the Company's notification. Any such employee or agent may later be allowed readmission to the Company premises on mutually agreeable terms. Nothing in this section, however, restricts the Company's authority to bar the CLEC employee or agent from Company premises for violating the Company's security guidelines.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.10 Security Requirements (Continued)**

**(B) Security Standards**

The Company will be solely responsible for determining the appropriate level of security in each premises. The Company reserves the right to deny access to Company buildings for any CLEC employee, agent or contractor who cannot meet the Company's established security standards.

Employees, agents or contractors of the CLEC are required to meet the same security requirements and adhere to the same work rules that Company employees and contractors are required to follow.

The Company also reserves the right to deny access to Company buildings for CLEC employees, agents and contractors for falsification of records, violation of fire, safety or security practices and policies or other just cause.

CLEC employees, agents or contractors who meet the Company's established security standards will be provided access to the CLEC's collocation equipment twenty-four (24) hours a day, seven (7) days a week and reasonable access to the Company's restroom facilities. If CLEC employees, agents or contractors request and are granted access to other areas of the Company's premises, a Company employee, agent or contractor may accompany and observe the CLEC employee(s), agent(s) or contractor(s) at no cost to the CLEC.

The Company may use reasonable security measures to protect its equipment, including, for example, enclosing its equipment in its own cage or other separation, utilizing monitored card reader systems, digital security cameras, badges with computerized tracking systems, identification swipe cards, keyed access and/or logs, as deemed appropriate by the Company.

The Company may require CLEC employees and contractors to use a central or separate entrance to the Company's premises, provided, however, that where the Company requires that CLEC employees or contractors access collocated equipment only through a separate entrance, employees and contractors of the Company's affiliates and subsidiaries will be subject to the same restriction.

The Company may construct or require the construction of a separate entrance to access caged and cageless collocation space, provided that each of the following conditions is met: (i) Construction of a separate entrance is technically feasible; (ii) Either legitimate security concerns, or operational constraints unrelated to the incumbent's or any of its affiliates' or subsidiaries competitive concerns, warrant such separation; (iii) Construction of a separate entrance will not artificially delay collocation provisioning; and (iv) Construction of a separate entrance will not materially increase the CLEC's collocation costs.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.10 Security Requirements (Continued)**

**(C) Access Cards/Identification**

Access cards or keys will be provided to no more than a reasonable number of CLEC appointed individuals for each Company premises. All CLEC employees, agents and contractors requesting access to the premises are required to have a photo identification card, which identifies the person by name and the name of the CLEC. The ID must be worn on the individual's exterior clothing while on Company premises. The Company will provide the CLEC with instructions and necessary access cards or keys to obtain access to Company buildings.

The CLEC is required to immediately notify the Company by the most expeditious means, when any CLEC employee, agent or contractor with access privileges to Company buildings is no longer in its employ, or when keys, access cards or other means of obtaining access to Company buildings are lost, stolen or not returned by an employee, agent or contractor no longer in its employ. The CLEC is responsible for the immediate retrieval and return to the Company of all keys, access cards or other means of obtaining access to Company buildings upon termination of employment of an employee and/or termination of service. The CLEC shall be responsible for the replacement cost of keys, access cards or other means of obtaining access when lost, stolen or upon failure of it or its employee, agent or contractor to return them to the Company.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.11 Emergency Access**

The CLEC is responsible for providing a contact number that is readily accessible 24 hours a day, 7 days a week. The CLEC will provide access to its collocation space at all times to allow the Company to react to emergencies, to maintain the building operating systems (where applicable and necessary) and to ensure compliance with OSHA/Company regulations and standards related to fire, safety, health and environmental safeguards. The Company will attempt to notify the CLEC in advance of any such emergency access. If advance notification is not possible the Company will provide notification of any such entry to the CLEC as soon as possible following the entry, indicating the reasons for the entry and any actions taken which might impact CLEC facilities or equipment and its ability to provide service. The Company will restrict access to CLEC collocation space to persons necessary to handle such an emergency.

The emergency provisioning and restoration of interconnection service shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority for such activities. The Company reserves the right, without prior notice, to access CLEC collocation space in an emergency, such as fire or other unsafe conditions, or for purposes of averting any threat of harm imposed by the CLEC or CLEC equipment upon the operation of Company equipment, facilities and/or employees located outside the CLEC's collocation space. The Company will notify the CLEC as soon as possible when such an event has occurred.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.4 Installation and Operation (Continued)**

**17.4.11 Emergency Access (Continued)**

In case of a Company work stoppage, CLEC employees, contractors or agents will comply with the emergency operation procedures established by the Company. Such emergency procedures should not directly affect CLEC access to its premises, or ability to provide service. The CLEC will notify the Company point of contact of any work stoppages by CLEC employees.

**17.5 Space Requirements**

**17.5.1 Space Availability**

If the Company is unable to accommodate caged and/or cageless collocation requests at a premises due to space limitations or other technical reasons, the Company will post a list of all such sites on its Website and/or will update the list within ten (10) calendar days of the date at which a premises runs out of caged and cageless collocation space. This information will be listed at the following public Internet URL:

<http://www.frontier.com/regulatory>

Where the Company has denied a physical collocation request at a premises due to space limitations or other technical reasons, the Company shall:

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.5 Space Requirements (Continued)**

**17.5.1 Space Availability (Continued)**

- (A) Submit to the state commission, subject to any protective order as the state commission may deem necessary, detailed floor plans or diagrams of the premises which show what space, if any, the Company or any of its affiliates has reserved for future use; and described in detail, the specific future uses for which the space has been reserved and the length of time for each reservation. The Company shall also provide any other documentation satisfactory to the state commission, subject to any applicable protective order, that demonstrates the validity of the Company's space exhaust claim; and
- (B) Allow the CLEC to tour the entire premises, without charge, within ten (10) calendar days of the CLEC's request to tour the premises.

Interested CLECs shall not be precluded from seeking to intervene as a party or participant in any state commission proceeding to review the Company's space limitation claim(s).

**17.5.2 Minimum/Maximum/Additional Space**

The minimum amount of floor space available to each CLEC at the time of the initial application will be twenty-five (25) square feet of caged collocation space or one (1) single bay in the case of cageless collocation. The maximum amount of space available in a specific premises to each CLEC will be limited to the amount of existing suitable space which is technically feasible to support the collocation arrangement requested. Existing suitable space is defined as available space in a premises which does not require the addition of AC/DC power, heat and air conditioning, battery and/or generator back-up power and other requirements necessary for provisioning collocation services. The Company will not deny a CLEC's collocation request if vacant, unconditioned space is the only space available for collocation. The Company will modify the vacant, unconditioned space to suitable space in order to support the collocation arrangement requested. Additional space requested for an existing caged, cageless and/or adjacent collocation arrangement will be provided on a per request basis, where feasible, and where space is being efficiently used.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.5 Space Requirements (Continued)**

**17.5.4 Reservation of Space**

The Company reserves the right to manage its own premises conduit requirements and to reserve vacant space for planned facilities. The Company and/or its affiliates may retain and reserve a limited amount of vacant floor space within its/their premises for its/their own specific future uses on terms no more favorable than applicable to other CLECs seeking to reserve collocation space for their future use. If the remaining vacant floor space within a premises is reserved for the Company's and its Affiliates own specific future use, the premises will be exempt from future caged and cageless collocation requests in accordance with the guidelines and procedures in 17.5.1. The CLEC shall not be permitted to reserve premises cable space or conduit system. If new conduit is required, the Company will negotiate with the CLEC to determine an alternative arrangement for the specific location. The CLEC will be allowed to reserve collocation space for its caged/cageless arrangements based on its documented forecast provided to the Company and subject to space availability. Such forecast must demonstrate a legitimate need to reserve the space for use and be based on terms no more favorable than applicable to the Company's forecast which determines the need to reserve vacant space for its own specific use. CLEC Cageless collocation bays may not be used solely for the purpose of storing CLEC equipment.

**17.5.5 Collocation Space Report**

Upon request by the CLEC and upon its signing a collocation nondisclosure agreement, the Company will make available a Collocation Space Report with the following information for the premises requested:

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.5 Space Requirements (Continued)**

**17.5.5 Collocation Space Report (Continued)**

- Detailed description and amount of caged and cageless collocation space available;
- Number of telecommunications carriers with existing collocation arrangements;
- Modifications of the use of space since the last Collocation Space Report requested; and,
- Measures being taken, if any, to make additional collocation spaces available.

The Collocation Space Report is not required prior to the submission of a collocation application for a specific premises in order to determine collocation space availability for the premises. The Collocation Space Report will be provided to a CLEC within ten (10) calendar days of the request, provided the request is submitted during the ordinary course of business. A Collocation Space Report fee will be assessed per request and per premises as set forth in 17.18.50.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.5 Space Requirements (Continued)**

**17.5.6 Reclamation**

Where a collocation arrangement has been provisioned by the Company but remains unused by a CLEC, the Company may reclaim the provisioned space only if there is no other conditioned space available in the premises and:

- (A) Another CLEC submits a collocation application for the premises in question and pays the Company fifty percent (50%) of the NRCs for the requested collocation arrangement, and following payment of 50% of the applicable NRCs by the second CLEC, the first CLEC is reimbursed the undepreciated amount consistent with paragraph 54 of *In the Matter of Local Exchange Carriers Rate, Terms, and Conditions for Expanded Interconnection Through Physical Collocation Special Access and Switched Transport*, CC Docket No. 93-162 (rel. June 13, 1997).
- (B) The Company submits appropriate documentation to the state commission satisfactory to the state commission demonstrating that the Company needs the space in question for its own uses (provided that interested CLECs shall not be precluded from seeking to intervene as a party or participant in any Commission proceeding to review 's space reservations) and the first CLEC is reimbursed for the cost it incurred to construct the collocation arrangement or to otherwise make the space ready.

**17.6 Indemnification**

In addition to their other respective indemnification and liability obligations hereunder, the Company and CLEC shall meet the following obligations. To the extent that this provision conflicts with any other provision in this Tariff, this provision shall control.

**17.6.1** The Indemnifying Party shall defend, indemnify and save harmless the Indemnified Party, its directors, officers, employees, servants, agents, affiliates and parent from and against any and all suits, claims, demands, losses, claims, and causes of action and costs, including reasonable attorneys' fees, whether suffered, made, instituted or asserted by the Indemnifying Party or by any other party, which are caused by, arise out of or are in any way related to:

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.6 Indemnification (Continued)**

17.6.1 (A) The installation, maintenance, repair, replacement, presence, engineering, use or removal of Indemnifying Party's equipment or by the proximity of such equipment to the equipment of other parties occupying space in Company premises, including, without limitation, damages to property and injury or death to persons, including payments made under Workers' Compensation Law or under any plan for employees' disability and death benefits;

(B) The Indemnifying Party's failure to comply with any of the terms of this tariff; or

(C) Any act or omission of the Indemnifying Party, its employees, agents, affiliates, former or striking employees or contractors.

17.6.2 Subject to any limitations of liability set forth in this tariff, the Indemnifying Party shall be liable to the Indemnified Party only for and to the extent of any damage directly and primarily caused by the negligence of the Indemnifying Party. The Indemnifying Party shall not be liable to the Indemnified Party or its customers for any interruption of Indemnified Party's service or for interference with the operation of Indemnified Party's designated facilities arising in any manner out of the Indemnified Party's presence in Company premises, unless such interruption or interference is caused by the Indemnifying Party's willful misconduct.

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**17. COLLOCATION SERVICE (Continued)**

**17.6 Indemnification (Continued)**

**17.6.2** In no event shall the Indemnifying Party or any of its Directors, officers, employees, servants, agents, affiliates and parent be liable for any loss of profit or revenue by the Indemnified Party or for any loss of AC or DC power, HVAC interruptions, consequential, incidental, special, punitive or exemplary damages incurred or suffered by the Indemnified Party, even if the Indemnifying Party has been advised of the possibility of such loss or damage.

**17.6.3** The obligations, rights and limitations of 17.6.1 and 17.6.2 shall survive the termination, cancellation, modification or recession of this Tariff, without limit as to time. For purposes of this part 17.6.1 or 17.6.2, the terms "Indemnifying Party" and "Indemnified Party" can mean either the Company or the CLEC, as is appropriate under the context. Both the Company and the CLEC shall have or be entitled to the obligations, rights and limitations described in 17.6.1 and 17.6.2 preceding.

**17.7 Insurance**

**17.7.1 Coverage Requirements**

The CLEC shall, at its sole cost and expense, obtain, maintain, pay for and keep in force the following minimum insurance, underwritten by an insurance company(s) having a Best's insurance rating of at least A-, financial size category VII.

- (A) Commercial general liability coverage on an occurrence basis in an amount of \$1,000,000 combined single limit for bodily injury and property damage with a policy aggregate of \$2,000,000. This coverage shall include contractual liability.

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**17. COLLOCATION SERVICE (Continued)**

**17.7 Insurance (Continued)**

**17.7.1 Coverage Requirements (Continued)**

- (B) Umbrella/Excess Liability coverage in an amount of \$10,000,000 excess of coverage specified in (A) above.
- (C) All Risk Property coverage on a full replacement cost basis insuring all of the CLEC's real and personal property located on or within Company premises. The CLEC may also elect to purchase business interruption and contingent business interruption insurance, knowing that the Company has no liability for loss of profit or revenues should an interruption of service occur.
- (D) Statutory Workers Compensation coverage.
- (E) Employers Liability coverage in an amount of \$500,000 each accident.
- (F) Commercial Automobile Liability coverage insuring all owned, hired and non-owned automobiles.

Notwithstanding anything herein to the contrary. The coverage requirements described in (C) through (F) above shall only be required if the CLEC orders collocation services pursuant to this Tariff. The minimum amounts of insurance required in this section may be satisfied by the CLEC purchasing primary coverage in the amounts specified or by the CLEC buying a separate umbrella and/or excess policy together with lower limit primary underlying coverage. The structure of the coverage is at the CLEC's option, so long as the total amount of insurance meets the Company's requirements.

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**17. COLLOCATION SERVICE (Continued)**

**17.7 Insurance (Continued)**

**17.7.2 Deductibles**

Any deductibles, self-insured retentions (SIR), lost limits, retentions, etc. (collectively, "retentions") must be disclosed on a certificate of insurance provided to the Company, and the Company reserves the right to reject any such retentions in its reasonable discretion. All retentions shall be the responsibility of the CLEC.

**17.7.3 Additional Insureds**

The Company and its affiliates (which includes any corporation controlled by, controlling or in common control with the Company parent corporation), its respective directors, officers and employees shall be named as additional insureds under all General Liability and Umbrella/Excess Liability Policies obtained by the CLEC. Said endorsement shall provide that such additional insurance is primary insurance and shall not contribute with any insurance or self-insurance that the Company has secured to protect itself. All of the insurance afforded by the CLEC shall be primary in all respects, including the CLEC's Umbrella/Excess Liability insurance. The Company's insurance coverage shall be excess over any indemnification and insurance afforded by the CLEC and required hereby.

**17.7.4 Waiver of Subrogation Rights**

The CLEC waives and will require all of its insurers to waive all rights of subrogation against the Company (including the Company parent Corporation and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.7 Insurance (Continued)**

**17.7.5 Evidence of Insurance**

All insurance must be in effect on or before the Company authorizes access by CLEC employees or placement of CLEC equipment or facilities within the Company's premises and such insurance shall remain in force as long as the CLEC's facilities remain within any space governed by this Tariff. If the CLEC fails to maintain the coverage, the Company may pay the premiums and seek reimbursement from the CLEC. Failure to make a timely reimbursement will result in disconnection of service. The CLEC agrees to submit to the Company a certificate of insurance ACORD Form 25-S (1/95), or latest edition, such certificate to be signed by a duly authorized officer or agent of the Insurer, certifying that the minimum insurance coverages and conditions set forth herein are in effect, and that the Company will receive at least thirty (30) days notice of policy cancellation, expiration or non-renewal.

At least thirty (30) days prior to the expiration of the policy, the Company must be furnished satisfactory evidence that such policy has been or will be renewed or replaced by another policy. At the Company's request, the CLEC shall provide copies of the insurance provisions or endorsements as evidence that the required insurance has been procured, and that the Company has been named as an additional insured, prior to commencement of any service. In no event shall permitting CLEC access be construed as a waiver of the right of the Company to assert a claim against the CLEC for breach of the obligations established in this section.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.7 Insurance (Continued)**

**17.7.6 Compliance Requirements**

The CLEC shall require its contractors to comply with each of the provisions of this insurance section. This includes, but is not limited to, maintaining the minimum insurance coverages and limits, naming the Company (including the Company's parent corporation and any other affiliated and/or managed entity) as an additional insured under all liability insurance policies, and waiving all rights of subrogation against the Company (including the Company's parent Corporation and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise.

Prior to commencement of any work, the CLEC shall require and maintain certificates of insurance from each contractor evidencing the required coverages. At the Company's request, the CLEC shall supply to the Company copies of such certificates of insurance or require the contractors to provide insurance provisions or endorsements as evidence that the required insurance has been procured. The CLEC must also conform to the recommendation(s) made by the Company's fire insurance company, which the Company has already agreed to or shall hereafter agree to.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.8 Confidentiality**

In addition to its other confidentiality obligations hereunder, the CLEC shall not use or disclose and shall hold in confidence all information of a competitive nature provided to it by the Company in connection with Collocation, or known to a CLEC as a result of its access to Company premises, or as a result of the interconnection of its equipment to Company facilities. Similarly, the Company shall not use or disclose and shall hold in confidence all information of a competitive nature provided to it by a CLEC in connection with Collocation, or known to the Company as a result of the interconnection of the CLEC's equipment to Company facilities. Such information is to be considered proprietary and shared within the Company and the CLEC on a need to know basis only. Neither the Company nor the CLEC shall be obligated to hold in confidence information that:

- Was already known to the CLEC free of any obligation to keep such information confidential;
- Was or becomes publicly available by other than unauthorized disclosure; or
- Was rightfully obtained from a third party not obligated to hold such information in confidence.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.9 Casualty**

(A) If the collocation equipment location or any part thereof is damaged by fire or other casualty, the CLEC shall give immediate notice thereof to the Company. Tariff regulations will remain in full force and effect except as set forth following:

- (1) If the collocation equipment location or any part thereof is partially damaged or rendered partially unusable by fire or other casualty caused by the Company, the damages thereto shall be repaired by and at the expense of the Company. Non-recurring and monthly recurring charges, until such repair is substantially completed, shall be apportioned from the day following the casualty according to the part of the collocation equipment location which is usable. The Company reserves the right to elect not to restore the collocation equipment location under the conditions specified in (B) following. If the Company elects to restore the collocation equipment location, the Company shall inform the CLEC of its plans to repair/restore the collocation equipment location as soon as it is practicable and will work in good faith to restore service to the CLEC as soon as possible. The Company shall make repairs and restorations with all reasonable expedition subject to delays due to adjustment of insurance claims, labor troubles and causes beyond the Company's reasonable control.
- (2) If the collocation equipment location or any part thereof is totally damaged or rendered wholly unusable by fire or other casualty caused by the Company, then applicable non-recurring and monthly recurring charges shall be proportionately paid up to the time of the casualty and thenceforth shall cease until the date when the collocation equipment location shall have been repaired and restored by the Company. The Company reserves the right to elect not to restore the collocation equipment location under the conditions specified in (B) following. If the Company elects to restore the collocation equipment location, the Company shall inform the CLEC of its plans to repair/restore the collocation equipment location as soon as it is practicable and will work in good faith to restore service to the CLEC as soon as possible. The Company shall make repairs and restorations with all reasonable expedition subject to delays due to adjustment of insurance claims, labor troubles and causes beyond the Company's reasonable control.
- (3) If the collocation equipment location or any part thereof is partially damaged or rendered partially unusable by fire or other casualty through no fault of the Company or the CLEC, then the applicable non-recurring and monthly recurring charges shall be proportionately paid up to the time of the casualty and thenceforth shall cease until the date when the collocation equipment location shall have been repaired and restored. Any repair or restoration work undertaken by the CLEC in its collocation arrangement must be done by a Company-approved contractor and must be approved in advance by the Company. The Company reserves the right to discontinue the CLEC's collocation equipment location or any part thereof under the conditions specified in (B) following.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.9 Casualty (Continued)**

- (A) If the collocation equipment location or any part thereof is damaged by fire or other casualty, the CLEC shall give immediate notice thereof to the Company. Tariff regulations will remain in full force and effect except as set forth following: (Continued)
  - (4) If the collocation equipment location or any part thereof is totally damaged, rendered wholly unusable, partially damaged or rendered partially unusable by fire or other casualty caused by the CLEC, the liability and indemnification provisions of this tariff shall apply and the Company may terminate the CLEC's collocation arrangement immediately.
- (B) If the collocation equipment location or any part thereof is rendered wholly unusable through no fault of the CLEC, or (whether or not the demised premises are damaged in whole or in part) if the building shall be so damaged that the Company shall decide to demolish it or to rebuild it, then, in any of such events, the Company may elect to discontinue the CLEC's collocation equipment location or any part thereof. In this event, the Company will provide the CLEC with written notification within ninety (90) days after such fire or casualty specifying a date for discontinuance. The date of discontinuance shall not be more than sixty (60) days after the issuance of such notice to the CLEC. The CLEC must vacate the premises by the date specified in the notice. The Company's rights against the CLEC under this tariff prior to such discontinuance and any applicable non-recurring and monthly recurring charges owing shall be paid up to the date of discontinuance. Any payments of monthly recurring charges made by the CLEC, which were on account of any period subsequent to such date shall be returned to the CLEC.
- (C) After any such casualty and upon request by the Company, the CLEC shall remove from the collocation equipment location and other associated space, as promptly as reasonably possible, all of the CLEC's salvageable inventory and movable equipment, furniture and other property.
- (D) In the event non-recurring charges were suspended pursuant to the foregoing section (A), the CLEC's liability for applicable non-recurring and monthly recurring charges shall resume either upon occupancy by the CLEC or thirty (30) days after written notice from the Company that the collocation equipment location or any part thereof is restored to a condition comparable to that existing prior to such casualty, which ever comes first.
- (E) Nothing contained in these provisions shall relieve the CLEC from liability that may exist as a result of damage from fire or other casualty.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.9 Casualty (Continued)**

- (F) Each party shall look first to any insurance in its favor before making any claim against the other party for recovery for loss or damage resulting from fire or other casualty, and to the extent that such insurance is in full force and collectible and to the extent permitted by law, the Company and CLEC each will release and waive all right of recovery against the other or any one claiming through or under each of them by way of subrogation or otherwise. The release and waiver shall be in force only if both releasers' insurance policies contain a clause providing that such release or waiver shall not invalidate the insurance and also, provided that such a policy can be obtained without additional premiums.
  
- (G) The Company will not carry insurance on the CLEC's furniture and/or furnishings or any fixtures or equipment, improvements, or appurtenances removable by the CLEC and therefore will not be obligated to repair any damage thereto or be obligated to replace the same.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.10 Implementation and Termination of Service**

**17.10.1 Implementation of Collocation Charges**

The Company shall provide the CLEC with a notice ("Scheduled Completion Notice") indicating the scheduled completion date ("Scheduled Completion Date") for the collocation arrangement. The Company shall also provide a notice that will remind the CLEC of the Scheduled Completion Date and will request the CLEC to schedule and attend a "Collocation Acceptance Meeting" ("CAM"). Collocation charges will be implemented in accordance with this section regardless of the readiness of the CLEC to utilize the completed collocation arrangement.

- (A) Collection of Non-Recurring Charges. The initial payment of nonrecurring charges (NRCs) shall be due and payable in accordance with Section 17.3.3. The balance of the NRCs ("NRC Balance") will be billed to the CLEC upon CLEC acceptance of the collocation arrangement or thirty (30) calendar days after the collocation arrangement is completed, whichever comes first.
- (B) Commencement of Recurring Charges. Monthly recurring charges will commence upon CLEC acceptance of the collocation arrangement or thirty (30) calendar days after the collocation arrangement is completed, whichever comes first ("Commencement Date"), and shall continue until terminated pursuant to Section 17.10.4.
- (C) Extension Request. A CLEC may request to extend or delay the Scheduled Completion Date of a collocation arrangement for up to six (6) months. A CLEC electing to extend the Scheduled Completion Date of a collocation arrangement must notify the Company in writing ("Extension Notice") within thirty (30) calendar days after receiving the Scheduled Completion Notice. In order for the Company to delay billing of monthly recurring charges for the applicable collocation arrangement, the CLEC must remit the NRC Balance to the Company for the collocation arrangement with the Extension Notice. Monthly recurring charges will not be billed by the Company until the space for the collocation arrangement is accepted by the CLEC or the six (6) month extension period has expired, whichever comes first. At any time during or after the extension period, if the CLEC terminates its collocation arrangement, the termination shall be governed by Section 17.10.4.

If the Company ascertains the space for the collocation arrangement is needed to satisfy another's CLEC's collocation request prior to the end of the six (6) month extension period, the Company will notify the original CLEC that its collocation space has been requested by another CLEC. The original CLEC will have up to five (5) business days after the notification to retain the collocation space by notifying the Company in writing that it desires to keep the space ("Retention Notice"). If the original CLEC retains the collocation space, monthly recurring charges shall commence for the original CLEC thirty (30) calendar days after the original CLEC sends the Retention Notice or when the original CLEC accepts the space, whichever comes first.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.10 Implementation and Termination of Service**

**17.10.2 Grounds for Termination by the Company**

Failure by the CLEC to comply with the terms and conditions of this tariff, including nonpayment of rates and charges, may result in termination of collocation service. In addition to the other grounds for termination of collocation services set forth herein, the Company reserves the right to terminate such services upon thirty (30) calendar days notice in the event the CLEC: (a) is not in conformance with provisions of this tariff or other Company standards and requirements; and/or (b) imposes continued disruption and threat of harm to Company employees and/or network, or the Company's ability to provide service to other CLECs.

The Company also reserves the right to terminate such services, without prior notice, in the event the CLEC's collocation arrangement imposes emergency conditions, such as fire or other unsafe conditions, upon the operation of the Company's equipment and facilities or to Company employees located outside the CLEC's collocation space.

The Company reserves the right to inspect the CLEC's collocation arrangement to determine if sufficient DC Power and/or facility terminations are being used to maintain interconnection and/or access to unbundled network elements. If the Company determines that the collocation arrangement is not being used for interconnection and/or access to unbundled network elements (from, for example, insufficient DC Power and/or facility terminations), the Company reserves the right to terminate the CLEC's collocation service upon thirty (30) calendar days notice.

If the Company elects to terminate a collocation arrangement pursuant to this section, the termination shall be governed by Section 17.10.4.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.10 Implementation and Termination of Service**

**17.10.3 Termination by CLEC**

A CLEC must notify the Company in writing of its plans to terminate a collocation arrangement ("CLEC Termination Notice"), and such CLEC termination shall be governed by the Section.

(A) Termination After Completion. If a CLEC elects to terminate an existing collocation arrangement after a collocation arrangement has been completed, the termination will be effective thirty (30) calendar days after the Company's receipt of the CLEC Termination Notice. If CLEC terminates a collocation arrangement under this section, the termination shall be governed by Section 17.10.4 and the CLEC remains responsible to pay any unpaid NRCs associated with the terminated arrangement as set forth in Section 17.10.1(A). If the collocation arrangement being terminated contains equipment in which a third party maintains an ownership or a security interest, the CLEC shall include a list of any such owners and secured parties in the CLEC Termination Notice.

(B) Termination Prior to Completion. If the CLEC elects to terminate a request for collocation when construction is in progress and prior to completion of the collocation arrangement, the termination will be effective upon the Company's receipt of the CLEC Termination Notice. For all non-recurring charges associated with providing the collocation arrangement, the CLEC will be billed and is responsible for payment of non-recurring charges in accordance with the following (for the purposes of this section, the number of "Days" refers to business days measured from the Company's receipt of a complete application from the CLEC):

- (a) Effective date of CLEC termination on or between Days 1 to 15, CLEC owes 20% of non-recurring charges.
- (b) Effective date of CLEC termination on or between Days 16 to 30, CLEC owes 40% of non-recurring charges.
- (c) Effective date of CLEC termination on or between Days 31 to 45, CLEC owes 60% on non-recurring charges.
- (d) Effective date of CLEC termination on or between Days 46 to 60, CLEC owes 80% of non-recurring charges.
- (e) Effective date of CLEC termination after Day 60, CLEC owes 100% of non-recurring charges.

If after applying these percentages to NRCs already paid by the CLEC, any refunds are due the CLEC, such refunds shall be applied first as a credit to any accounts with balances owed by CLEC to the Company, with any remaining refund amount issued to CLEC. Engineering/Major Augment fees submitted with the application will not be refunded.

The CLEC Termination Notice must be received by the Company prior to the Scheduled Completion Date to avoid incurring any monthly recurring charges.

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**17. COLLOCATION SERVICE (Continued)**

**17.10 Implementation and Termination of Service**

**17.10.4 Effects of Termination**

If the Company or CLEC terminates a collocation arrangement under this Tariff, the following provisions shall apply:

(A) **Equipment Removal and Monthly Recurring Charges.** The CLEC shall disconnect and remove its equipment from the designated collocation space by the effective date of the termination. Upon removal by the CLEC of all its equipment from the collocation space, if the CLEC does not restore the collocation space to its original condition at time of occupancy, the CLEC will reimburse the Company for the cost to do so. Due to physical and technical constraints, removal of the CLEC entrance facility cable will be at the Company's option. The CLEC shall reimburse the Company for all costs the Company incurs to decommission DC Power and transmission cable terminations previously applied for by the CLEC.

The Company reserves the right to remove the CLEC's equipment if the CLEC fails to remove and dispose of the equipment by the effective date of the termination. The CLEC will be charged the appropriate additional labor charge in Section 17.18.51 for the removal and disposal of such equipment.

All monthly recurring charges will continue to be charged to the CLEC until the effective date of the termination or, at the Company discretion, until any later date up to the date that all equipment is removed and the collocation space is restored to its original condition at space turnover.

(B) **Refund of Non-Recurring Charges.** If the Company or the CLEC has terminated a collocation arrangement pursuant to Sections 17.10.2 and 17.10.3 and the CLEC ("original CLEC") has paid a non-recurring charge(s) for an asset in a collocation arrangement, and is succeeded by another CLEC who uses the same asset ("subsequent CLEC"), the original CLEC will receive a refund from the Company for the remaining undepreciated amount of the asset upon occupancy by the subsequent CLEC up to the applicable non-recurring charges paid by the subsequent CLEC. If the Company uses an asset for which a CLEC paid a non-recurring charge, the Company will make a pro rata refund of such paid non-recurring charges to the CLEC. For purposes of calculating prorated refunds to a CLEC, the Company will use the economic life of the asset. Any refunds issued pursuant to this section shall be applied first as a credit to any accounts with balances owed by the CLEC to the Company, and any remaining refund amount will be issued to the CLEC. Engineering/Major Augment fees submitted with the application and any other paid non-recurring charges not associated with the asset will not be refunded.

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**17. COLLOCATION SERVICE (Continued)**

**17.10 Implementation and Termination of Service**

**17.10.5 Closure, Decommissioning or Sale of Premises**

Collocation arrangements will automatically terminate if the premise in which the collocation space is located is closed, decommissioned or sold and no longer houses the Company's network facilities. At least one hundred eighty (180) days written notice will be given to the CLEC of events which may lead to the automatic termination of any such arrangement pursuant to this tariff, except when extraordinary circumstances require a shorter interval. In such cases, the Company will provide notice to the CLEC as soon as practicable. The Company will work with the CLEC to identify alternate collocation arrangements. The Company will work cooperatively with the CLEC to minimize any potential for service interruption resulting from such actions.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.11 Miscellaneous**

The Company retains ownership of premises floor space, adjacent land and equipment used to provide all forms of collocation. The Company reserves for itself and its successors and assignees, the right to utilize the premises space in such a manner as will best enable it to fulfill its service requirements. The CLEC does not receive, as a result of entering into a collocation arrangement, any right, title or interest in Company wire center facility, the multiplexing node, multiplexing node enclosure, cable space, cable racking, vault space or conduit space other than as expressly provided herein. To the extent that a CLEC requires use of a Company local exchange line, it must order a business local exchange access line (B1). A CLEC may not use Company official lines.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation**

**17.12.1 Description**

Under virtual collocation, the Company installs and maintains CLEC provided equipment, which is dedicated to the exclusive use of the CLEC in a collocation arrangement. A CLEC provides fiber-optic facilities through Company entrance manholes for connection to the CLEC virtually collocated transmission equipment that provides interconnection to Company facilities located in the premises.

The physical point of interface for connection to the virtual arrangement is referred to as manhole zero. From this manhole into the premises, the Company shall assume ownership of and maintain the fiber. From this manhole toward the CLEC's location, the fiber optic cable remains the CLEC's responsibility, with the CLEC performing all servicing and maintaining full ownership. If the CLEC is purchasing Company provided unbundled interoffice facilities as transport, the CLEC entrance fiber is not required. All elements/services shall be connected to the output cables of the virtual collocation arrangement using Company designated cable assignments, not channel assignments.

Virtual collocation is offered on a first come, first served basis and is provided subject to the availability of space and facilities in each premises where virtual collocation is requested.

If the CLEC requests virtual collocation of equipment other than the standard virtual arrangement, the CLEC and Company will mutually agree upon the type of equipment to be virtually collocated.

**17.12.2 Implementation Intervals and Planning**

The Company and the CLEC shall work cooperatively to jointly plan the implementation milestones. The Company and the CLEC shall work cooperatively in meeting those milestones and deliverables as determined during the joint planning process. A preliminary schedule will be developed outlining major milestones including anticipated delivery dates for the CLEC-provided transmission equipment and for training.

The Company will notify the CLEC of issues or unanticipated delays, as they become known. The Company and the CLEC shall conduct additional joint planning meetings, as reasonably required, to ensure all known issues are discussed and to address any that may impact the implementation process. Planning meetings shall include establishment of schedule, identification of tests to be performed, spare plug-in/card requirements, test equipment, and determination of the final implementation schedule.

The implementation interval is 76 business days for all standard arrangement requests which were properly forecast six months prior to the application dates subject to the tariff provisions governing forecasting and capacity. The CLEC shall deliver the virtual collocation equipment to the Company premises by business day 40. The Company and the CLEC shall work cooperatively to schedule each site on a priority-based order. The Company and the CLEC shall mutually agree upon intervals for non-standard arrangements.

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**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation (Continued)**

**17.12.3 Transmission Failure**

In the event of a transmission failure, the obligation to determine fault location, regardless of whether the fiber span is equipped with optical regeneration equipment, lies with the transmitting end. It is the responsibility of the receiving end to report incoming signal loss to the transmitting end.

**17.12.4 Accommodations**

Upon receipt of a completed application and associated Virtual Engineering fee, the Company will conduct an application review, engineering review and site survey at the requested premises. The Company will notify the CLEC within ten business days of the results of this review and site survey.

The dedicated terminal equipment inside the Company's premises shall be provided by the CLEC and leased to the Company for the sum of one dollar after successful installation and equipment testing by the Company. The term of the operating lease will run for the duration of the virtual collocation arrangement, at which time the CLEC will remove the equipment. The CLEC will retain ownership of this equipment inside the premises. The Company will operate and maintain exclusive control over this equipment inside the premises.

Where the Company uses approved contractors for installation, maintenance or repair of virtual collocation arrangements, the CLEC may hire the same approved contractors directly for installation, maintenance or repair of CLEC designated equipment.

Where the Company does not use contractors, CLEC designated equipment and CLEC provided facilities used in the provision of virtual collocation will be installed, maintained and repaired by the Company. The Company will maintain and repair the CLEC designated equipment under the same timeframe and standards as its own equipment.

CLEC personnel are not allowed on the Company premises to maintain and repair on virtual collocation equipment.

The Company shall monitor local premises and environmental alarms to support the equipment. The Company will notify the CLEC if a local office alarm detects an equipment affecting condition.

The Company will be responsible to pull the fiber into and through the cable entrance facility (i.e., vault) to the virtual collocation arrangement. All installations into the cable entrance facility are performed by Company personnel or its agents.

No virtual collocation arrangement will be placed in service by the Company until necessary training has been completed (refer to 17.12.11).

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation (Continued)**

**17.12.5 Spare Plug-ins and Cards**

When a plug-in/card is determined by the Company to be defective, the Company will label the plug-in as defective and place it in the CLEC-provided spare plug-in/card storage cabinet. The CLEC will be notified as the plug-in/card is replaced.

The Company will not provide spare plug-ins/cards under any circumstances, nor is the Company responsible for the CLEC's failure to replace defective plug-ins/cards. The Company shall not be held responsible if the CLEC provides an inadequate supply of plug-ins/cards. The Company will segregate and secure the CLEC-provided maintenance spares in the CLEC-provided spare plug-in/card cabinet.

The CLEC shall provide the shop-wired piece of equipment fully pre-equipped with working plug-ins/cards. In addition, the CLEC shall provide the Company with maintenance spares for each plug-in/card type. The number of maintenance spares shall be the manufacturer's recommended amount, unless otherwise mutually agreed by the Company and the CLEC, provided however, that in no event shall the number of spare plug-ins/cards be less than two of each type. These spares must be tested by the CLEC prior to delivery to the Company.

In addition to maintenance spares, the CLEC will also provide any unique tools or test equipment required to maintain, turn-up, or repair the equipment.

Upon receiving notification from the Company that a plug-in/card has been replaced, the CLEC is then responsible to contact the Company operations manager to arrange exchange and replacement of the plug-in/card. Exchanged, pre-tested spares shall be provided within one week of replacement of a defective plug-in/card.

Subject to premise space availability, the CLEC shall have the option of providing a stand-alone spare plug-in/card cabinet(s) or a rack-mountable spare plug-in/card cabinet(s), to the Company's specification, to house the spare plug-ins/cards. The spare plug-in/card cabinet(s) and minimum number of maintenance spares must be provided before the virtual collocation arrangement is completed and service is established.

The amount of spare plug-ins/cards required will be based on the manufacturer's recommended amount, unless otherwise mutually agreed by the Company and the CLEC.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation (Continued)**

**17.12.6 Safety and Technical Standards**

The Company reserves all rights to terminate, modify or reconfigure the provision of service to the CLEC if, in the discretion of the Company, provision of service to the CLEC may in any way interfere with or adversely affect the Company's network or its ability to service other CLECs.

All CLEC equipment to be installed in Company premises must fully comply with the GR – 000063 – CORE, GR – 1089 – CORE and the Company's premises environmental and transmission standards in effect at the time of equipment installation. The equipment must also comply with the requirements in NIP 74165, as they relate to fire, safety, health, environmental, and network safeguards.

It is the CLEC's responsibility to demonstrate and provide to the Company adequate documentation from an accredited source certifying compliance. CLEC equipment must conform to the same specific risk/safety/hazard standards which the Company imposes on its own premises equipment as defined in RNSA – NEB – 95 – 0003, Revision 10 or higher.

CLEC equipment is not required to meet the same performance and reliability standards as the Company imposes on its own equipment as defined in RNSA – NEB – 95 – 0003, Revision 10 or higher. The CLEC may install equipment that has been deployed by the Company for five years or more with a proven safety record.

All the CLEC's entrance facilities and splices must comply with TR – TSY – 00020, TR – NWT – 001058, BR – 760 – 200 – 030 and SR – TAP – 001421 as they relate to fire, safety, health, environmental safeguards and interference with the Company's services and facilities. Such requirements include, but are not limited to the following: (1) The fibers must be single mode; (2) The fiber optic units must be of loose tube (12 fibers) or ribbon (12 fibers) design; (3) The fiber cable must be marked according to the cable marking requirements in GR – 20 – CORE, Section 6; (4) The fiber must be identified according to the fiber and unit identification (color codes) in GR – 20 – CORE, Section 6; (5) Unless otherwise mutually agreed, the outer cable jacket shall consist of a polyethylene resin, carbon black, and suitable antioxidant system; and (6) Silica fibers shall be fusible with a commercially available fusion splicer(s) that is commonly used for this operation.

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**17.12.7 Control Over Premises Based Equipment**

The Company exercises exclusive physical control over the premises-based transmission equipment that terminates the CLEC's circuits and provides the installation, maintenance, and repair services necessary to assure proper operation of the virtually collocated facilities and equipment. Such work will be performed by the Company under the direction of the CLEC.

**17.12.8 Removal of Equipment**

The Company reserves the right to remove facilities and equipment from its list of approved products if such products, facilities and equipment are determined to be no longer compliant with NEBS standards or GR – 1089 – CORE.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation (Continued)**

**17.12.9 Installation and Trouble Resolution**

The Company will process and prioritize the trouble ticket in the same manner it does for its own equipment, including the dispatch of a technician to the equipment. The technician will contact the CLEC at the number provided and service the equipment as instructed and directed by the CLEC.

**17.12.10 Placement, Removal and Monitoring of Facilities and Equipment**

From manhole zero toward the CLEC's location the fiber optic cable remains the CLEC's responsibility, with the CLEC performing all servicing and maintaining full ownership. The CLEC has the responsibility to remotely monitor and control their circuits terminating in the Company's premises, however, the CLEC will not enter the Company's premises under virtual collocation arrangements.

Performance and surveillance monitoring and trouble isolation shall be provided by the CLEC. A clear distinction must be made by the CLEC when submitting reports of troubles on the Company services/elements connected to the virtually collocated equipment and reports of troubles with the collocated equipment. The former can be handled using Company technicians and standard processes. The latter will require specially trained technicians familiar with the collocated equipment (refer to 17.12.11).

When the CLEC isolates a trouble and determines that a Company technician should be dispatched to the equipment location for a servicing procedure, the CLEC shall enter a trouble ticket with the Company. The CLEC shall provide standard trouble information, including the virtual collocation arrangement's circuit identification, nature of the activity request, and the name and telephone number of the CLEC's technician/contact.

Responses to all equipment servicing needs will be at the CLEC's direction. Maintenance will not be performed without the CLEC's direct instruction and authorization.

If the CLEC is providing its own transport fiber for the virtual collocation arrangement, the CLEC will arrange placement of the fiber into manhole zero with enough length (as designated by the Company) to reach the virtual collocation arrangement.

Maintenance activity (trouble in the equipment) is to be tested, isolated and evaluated by the CLEC. Company technicians will perform the instructed activities on the equipment as specifically directed by the CLEC.

The CLEC shall provide, own, and operate the terminal equipment at their site outside the Company's premises.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.12 Virtual Collocation (Continued)**

**17.12.13 Application of Rates and Charges**

(A) Billing

The Company will apply charges (e.g., nonrecurring and recurring rates for entry fiber, power, etc.) and commence billing for the virtual collocation arrangement upon completion of the installation, when it shall have finished all elements of the installation under its control. The readiness of the CLEC to utilize the completed virtual collocation arrangement will not impair the right of the Company to commence billing.

The Company shall charge the CLEC for all costs incurred in providing the virtual collocation arrangement, including, but not limited to, the Company's planning, engineering and installation time and costs incurred by the Company for inventory services. Any and all expenses associated with placing the CLEC's fiber in manhole zero, including license fees, shall be the responsibility of the CLEC.

(B) Virtual Engineering Fee

The Company will require a Virtual Engineering/Major Augment fee (NRC) per virtual collocation request, per premises or other Company location where the CLEC requests to establish virtual collocation. A Virtual Engineering/Major Augment fee is required to be submitted by the CLEC with its application. This fee applies for all new virtual collocation arrangements as well as subsequent additions to an existing arrangement, and provides for application processing, and for the Company's performance of an initial site visit and an engineering evaluation.

If the CLEC cancels or withdraws its request for a virtual collocation arrangement prior to turn-up, the CLEC will be liable for all costs and liabilities incurred by the Company in the developing, establishing, or otherwise furnishing the virtual collocation arrangement up to the point of cancellation or withdrawal.

(C) Other Virtual Collocation Rate Elements

The application, description, and rates of other virtual collocation rate elements are described in Section 17 following.

**17.12.14 Conversions**

Requests for converting virtual collocation arrangements to caged or cageless arrangements shall be submitted and designated as an Augment Application described in 17.3.5 preceding. Requests for converting a virtual arrangement to a cageless arrangement that requires no physical changes to the arrangement will be assessed a Minor Augment fee. All other conversion requests for virtual to caged or cageless will be assessed an Engineering/Major Augment Fee and other applicable charges. The Company will notify the CLEC within ten (10) business days following receipt of the completed Augment Application if the CLEC conversion request is accepted or denied. When converting a virtual arrangement to a caged or cageless arrangement, the CLEC's equipment may need to be relocated. The CLEC will be responsible for all costs associated with the relocation of its equipment as described in 17.3.7 preceding.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation**

Microwave collocation is available on a first-come first-served basis where technically feasible. The microwave equipment may include microwave antenna(s), mounts, towers or other antenna support equipment on the exterior of the building, and radio transmitter/receiver equipment located either inside or on the exterior of the building. All microwave antennas must be physically interconnected to Company facilities through the collocation arrangement

**17.13.1 Accommodations**

The Company will provide space within the cable riser, cable rack support structures and between the transmitter/receiver space and the roof space needed to reach the physical or virtual collocation arrangement and to access the Company's interconnection point. Waveguide may not be placed in Company cable risers or racks. The Company reserves the right to prohibit the installation of waveguide, metallic conduit and coaxial cable through or near sensitive equipment areas. The route of the waveguide and/or coaxial cable as well as any protection required will be discussed during the pre-construction survey.

The Company will designate the space in, on or above the exterior walls and roof of the premises which will constitute the roof space or transmitter/receiver space. The Company may require the CLEC's transmitter/receiver equipment to be installed in a locked cabinet which may be free standing, wall mounted or relay rack mounted. The Company may enclose the CLEC's multiplexing node or transmitter/receiver equipment in a cage or room.

At the option of the Company, the antenna support structure shall be built, owned and maintained by either the Company or by the CLEC. The Company reserves the right to use existing support structures for a CLEC's antenna, subject to space and capacity limitations. The Company also reserves the right to use any unused portion of a support structure owned by a CLEC for any reason, subject to the provisions set forth below. It shall be the responsibility of the owner of the support structure to maintain a record of the net book value of the structure. When the Company is the owner of the structure, it shall keep such records in accordance with the FCC's Part 32 uniform system of accounts. When the CLEC is the owner of the structure, it shall keep such records in accordance with generally accepted accounting principles.

The owner of the support structure shall use reasonable efforts to accommodate requests by other CLECs to use the support structure for microwave interconnection on a first-come first-served basis.

For those interconnecting via microwave facilities, transmitter/receiver equipment may be located in the CLEC's interior collocation space, or in a separate location inside or on the exterior of the building as determined by the Company.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation (Continued)**

**17.13.2 Security**

The Company will permit the CLEC's employees, agents and contractors approved by the Company to have access to the areas where the CLEC's microwave antenna and associated equipment (e.g., tower and support structure, transmitter/receiver equipment, and waveguide and/or coaxial cable) is located during normal business hours for installation and routine maintenance, provided that the CLEC employees, agents and contractors comply with the policies and practices of the Company pertaining to fire, safety and security. Such approval will not be unreasonably withheld. During non-business hours, the Company will provide access on a per event basis.

The Company will also permit all approved employees, agents and contractors of the CLEC to have access to the CLEC's cable and associated equipment (e.g., repeaters). This will include access to riser cable, cableways, and any room or area necessary for access.

**17.13.3 Safety and Technical Standards**

The Company reserves the right to remove facilities and equipment from its list of approved products if such products, facilities and equipment are determined to be no longer compliant with NEBS standards or electromagnetic compatibility and electrical safety generic criteria for network telecommunication equipment specified in GR – 1089 – CORE. The Company will provide 90 days notice of the change unless it is due to an emergency which renders notice impossible.

The Company reserves the right to review wind or ice loadings, etc., for antennas over 18 inches in diameter or for any multiple antenna installations, and to require changes necessary to insure that such loadings meet generally accepted engineering criteria for radio tower structures.

The minimum height of equipment placement, such as microwave antennas, must be 8 feet from the roof. For masts, towers and/or antennas over 10 feet in height, the CLEC or if applicable, the Company, shall have the complete structure, including guys and supports, inspected every two years by an acceptable licensed professional engineer of its choice specializing in this type of inspection. For CLEC owned structures that are solely for the use of one CLEC's antenna(s), such inspection will be at the CLEC's own cost and expense. For structures used by multiple CLECs, the costs associated with such inspection shall be apportioned based on relative capacity ratios. A copy of this report may be filed with the Company within 10 days of the inspection. The owner shall be responsible to complete all maintenance and/or repairs, as recommended by the engineer, within 90 days.

The CLEC shall provide written notice to the Company of any complaint (and resolution of such complaint) by any governmental authority or others pertaining to the installation, maintenance or operation of the CLEC's facilities or equipment located in roof space or transmitter/receiver space. The CLEC also agrees to take all necessary corrective action.

All CLEC microwave equipment to be installed in or on the exterior of the Company premises must be on the Company's list of approved products, or equipment that is demonstrated as complying with the technical specifications described herein. Where a difference may exist in the specifications, the more stringent shall apply.

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**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation (Continued)**

**17.13.3 Safety and Technical Standards (Continued)**

The CLEC must comply with Company technical specifications for microwave collocation interconnection specified in NIP – 74171 and the Company's digital switch environmental requirements specified in NIP – 74165, as they relate to fire, safety, health, environmental, and network safeguards, and ensure that CLEC provided equipment and installation activities do not act as a hindrance to Company services or facilities. The CLEC's equipment placed in or on roof space or transmitter/receiver space must also comply with all applicable rules and regulations of the FCC and the FAA.

CLEC facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current edition of NIP – 74171, national electric code, the national electrical safety code, rules and regulations of the OSHA, and any governing authority having jurisdiction.

All CLEC microwave facilities must comply with Bellcore specifications regarding microwave and radio based transmission and equipment, CEF, BR – 760 – 200 – 030, and SR – TAP – 001421; and the Company's practices as they relate to fire, safety, health, environmental safeguards transmission and electrical grounding requirements, or interference with Company services or facilities.

The equipment located in, on or above the exterior walls or roof of the Company's building must either be on the Company's list of approved products or fully comply with requirements specified in GR – 63 – CORE, GR – 1089 – CORE and NIP – 74171. This equipment must also comply with NIP – 74160, premises engineering environmental and transmission standards as they relate to fire, safety, health, environmental safeguards, or interference with Company service or 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 radio frequency radiation. The minimum standard to be met by the CLEC in all cases is specified in ANSI C95.1 – 1982.

CLEC equipment must conform to the same specific risk, safety, hazard standards which the Company imposes on its own premises equipment as defined in RNSA – NEB – 95 – 0003, Revision 10 or higher. CLEC equipment is not required to meet the same performance and reliability standards as the Company imposes on its own equipment as defined in RNSA – NEB – 95 – 0003, Revision 10 or higher.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation (Continued)**

**17.13.4 Placement and Removal of Facilities and Equipment**

Prior to installation of the CLEC's facilities or transmission equipment for microwave interconnection, the CLEC must obtain at its sole cost and expense all necessary licenses, permits, approvals, and/or variances for the installation and operation of the equipment and particular microwave system, and when applicable for any towers or support structures, as may be required by authorities having jurisdiction.

The CLEC is not permitted to penetrate the building exterior wall or roof when installing or maintaining transmission equipment and support structures. All building penetration will be done by the Company or a hired agent of the Company.

Any CLEC's equipment used to produce or extract moisture must be connected to existing or newly constructed building or roof top drainage systems, at the expense of the CLEC.

The CLEC will be responsible for supplying, installing, maintaining, repairing and servicing the following microwave specific equipment: Waveguide, waveguide conduit, and/or coaxial cable, the microwave antenna and associated tower and support structure and any associated equipment; and the transmitter/receiver equipment and any required grounding.

The CLEC may install equipment that has been deployed by the Company for five years or more with a proven safety record.

**17.13.5 Moves, Replacements or Other Modifications**

Where the CLEC intends to modify, move, replace or add to equipment or facilities within or about the roof space or transmitter/receiver space(s) and requires special consideration (e.g., use of freight elevators, loading dock, staging area, etc.), the CLEC must request and receive written consent from the Company. Such consent will not be unreasonably withheld. The CLEC shall not make any changes from initial installation in terms of the number of transmitter/receivers, type of radio equipment, power output of transmitters or any other technical parameters without the prior written approval of the Company.

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**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation (Continued)**

**17.13.6 Space and Facilities**

Monthly rates are applicable to each microwave CLEC for the space (generally on the premises roof) associated with Company or CLEC owned antenna support structures. The rate is calculated using the rate per square foot, multiplied by the square footage of the footprint, which resultant is multiplied by the CLEC's relative capacity ratio (RCRs) (i.e., the sum of the RCRs of each of the CLEC's antennas).

Square footage for the footprint will be based on the length times width of the entire footprint formed on the horizontal plane (generally the roof top) by the antenna(s), tower(s), mount(s), guy wires and/or support structures used by the CLEC. For a non-rectangular footprint, the length will be measured at the longest part of the footprint and the width will be the widest part of the footprint.

The owner of the support structure may charge CLECs proposing to use the structure, on a one-time basis, for the following costs and/or values. Any incremental costs associated with installing the user's antenna, including but not limited to, the costs of engineering studies, roof penetrations, structural attachments, support structure modification or reinforcement, zoning and building permits. A portion of the net book value of the support structure based on the RCR of the user's proposed antenna(s) to be mounted on the structure. A user's RCR represents the percent of the total capacity of the support structure used by user's antenna(s) on the structure. Spare capacity shall be deemed to be that of the owner of the structure. RCRs shall be expressed as a two place decimal number, rounded to the nearest whole percent. The sum of all user's RCRs and the owner's RCR shall at all times equal 1.00. It shall be the responsibility of the owner of the structure to provide the proposed user the net book value of the structure at the time of the proposed use. Upon request, the owner shall also provide the proposed user accounting records or other documentation supporting the net book value.

The owner of the structure may not assess other users of the structure any charges in addition to the one-time charge described above, except that the owner of the structure may assess other user's a proportionate share of inspection costs and the Company may assess microwave CLECs monthly recurring charges for use of its roof space. At the time a CLEC (including the owner) proposes to attach additional antennas to an existing support structure, it shall be the responsibility of that CLEC to obtain, at their cost and expense, an engineering analysis by a registered structural engineer to determine the relative capacity ratio of all antennas on the structure, including the proposed antennas.

When a CLEC is the owner of the structure, the proposed user shall pay the owner directly the one-time charge as set forth above. When the Company is the owner of the support structure, it shall determine the charge on an individual case basis. In the event that a CLEC who owns the support structure fails to comply with these provisions, at the Company's option, ownership of the support structure shall transfer to the Company.

Costs incurred by the Company to conduct a review for wind or ice loadings (etc.) for antennas over 18 inches in diameter, or for any multiple antenna installation, and any changes which may be required thereto in order to insure that such loadings meet generally accepted engineering criteria for radio tower structures, will be billed to the CLEC.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.13 Microwave Collocation (Continued)**

**17.13.7 Emergency Power and/or Environmental Support**

In the event special work must be done by the Company to provide emergency power or environmental support to the transmitter/receiver equipment or antenna, the CLEC will be billed on a time and materials basis for the costs incurred.

**17.13.8 Escorting**

When a CLEC is escorted by a qualified Company employee for access to the roof space, transmitter/receiver space, or cable risers and racking for maintenance, the miscellaneous labor charges as set forth in 17.18.51 will apply.

**17.14 Reserved for future use**

**17.15 Reserved for future use**

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.16 Rate Regulations**

**17.16.1 Rates and Charges**

Except as otherwise described herein, the rates for Company collocation services provided pursuant to this tariff are set forth in 17.18 following. The tariffed rates herein may be superseded by rates contained in future regulatory orders or as otherwise required by legal requirements.

The rate increment "Per Occurrence" shall refer to those applicable elements and associated costs which may occur and be applied more than once for a particular collocation request. The rate increment "Per Project" shall refer to those applicable elements and associated costs which don't occur more than one time for a particular collocation request.

**17.16.2 Billing and Payment**

The initial payment of nonrecurring charges (NRCs) shall be due and payable in accordance with 17.4.1 preceding. The balance of the NRCs and all related monthly recurring service charges will be billed to the CLEC when the Company provides CLEC access to the caged, cageless or adjacent collocation arrangement and shall be payable in accordance with applicable established payment deadlines.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements**

**17.17.1 Non-Recurring Charges**

The following are non-recurring charges (one-time charges) that apply for specific work activity.

(A) Engineering/Major Augment Fee

The Engineering/Major Augment Fee applies for each initial caged, cageless, virtual, or microwave collocation request and major augment requests for existing caged, cageless, and virtual collocation arrangements. This charge recovers the costs of the initial walkthrough to determine if there is sufficient collocation space, the best location for the collocation area, what building modifications are necessary to provide collocation, and if sufficient DC power facilities exist in the premises to accommodate collocation. This fee also includes the total time for the Building Services Engineer and the time for the Outside Plant and Central Office Engineers to attend status meetings.

(B) Minor Augment Fee

The Minor Augment Fee applies for each minor augment request of an existing caged, cageless, virtual, or microwave collocation arrangement that does not require additional AC or DC power systems, HVAC system upgrades, or additional cage space. Minor arguments are those requests that require the Company to perform a service or function on behalf of the CLEC including, but not limited to: installation of virtual equipment cards or software upgrades, removal of virtual equipment, requests to pull cable from exterior microwave facilities, and requests to terminate DS0, DS1 and DS3 cables.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(C) Access Card Administration

The Access Card Administration rate covers activities associated with the issuance and management of premises access cards. The rate is applied on a per card basis.

(D) Cage Enclosure

The Cage Enclosure rate is applied per caged arrangement. This rate includes the labor and materials to recover the costs incurred in constructing the CLEC's cage, cage gate, and grounding bar. There are five caged enclosure rate elements based on the size of the cage: 25 to 100 square feet; 101 to 200 square feet; 201 to 300 square feet, 301 to 400 square feet, and 401 to 500 square feet.

(E) Cage Enclosure Augment

The Cage Enclosure Augment rate is applied per square foot of fencing when a CLEC requests additional fencing for an existing caged arrangement.

(F) BITS Timing

The non-recurring charge for BITS Timing includes engineering, materials, and labor costs to wire a BITS port to the CLEC's equipment. If requested, it is applied on a per project basis.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(G) Overhead Superstructure

The Overhead Superstructure charge is applied for each initial caged and cageless collocation application. The Overhead Superstructure charge is designed to recover the Company's engineering, material, and installation costs for extending dedicated overhead superstructure.

(H) Facility Pull Engineering

The Facility Pull Engineering charge is applied per project to recover the engineering costs of pulling metallic cable or fiber optic patchcord from the collocation cage or relay rack to the Main Distribution Frame block, DSX panel or fiber distribution panel. The charge would also apply per project to recover the engineering costs of pulling transmission cable from microwave antennae facilities on the rooftop to the collocation cage or relay rack.

(I) Facility Pull

The Facility Pull charge is applied per cable run and recovers the labor cost of pulling metallic cable or fiber optic patchcord from the collocation cage or relay rack to the Main Distribution Frame block, DSX panel or fiber distribution panel.

(J) Cable Termination

The Cable Termination charge is applied per cable or fiber optic patchcord terminated and is designed to recover the labor cost of terminating or disconnecting transmission cable and fiber optic patchcord from the collocation cage or relay rack to the Main Distribution Frame block, DSX panel, or fiber optic patchcord.

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ACCESS SERVICES

17. COLLOCATION SERVICE (Continued)

17.17 Description and Application of Rate Elements (Continued)

17.17.1 Non-Recurring Charges (Continued)

(K) Fiber Cable Pull-Engineering

The Fiber Cable Pull-Engineering charge is applied per project to cover the engineering costs for pulling the CLEC's fiber cable, when necessary, into the Company's central office.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(L) Fiber Cable Pull-Place Innerduct

The Fiber Cable Pull-Place Innerduct charge is applied per linear foot to cover the cost of placing innerduct. Innerduct is the split plastic duct placed from the cable vault to the CLEC's equipment area through which the CLEC's fiber cable is pulled.

(M) Fiber Cable Pull-Labor

This charge is applied per linear foot and covers the labor costs of pulling the CLEC's fiber cable into the Company's central office.

(N) Fiber Cable Pull-Fire Retardant

This charge is associated with the filling of space around cables extending through walls and between floors with a non-flammable material to prevent fire from spreading from one room or floor to another.

(O) Fiber Splice-Engineering

The Fiber Splice-Engineering charge is applied per project and covers the engineering costs for fiber cable splicing projects.

(P) Fiber Splice

The Fiber Splice charge is applied per fiber cable spliced and recovers the labor cost associated with the splicing.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(Q) DC Power

Non-recurring charges for DC Power are applied for each caged, cageless, and virtual collocation application and major DC Power augments to existing arrangements. These charges recover the Company's engineering and installation costs for pulling and terminating DC power cables to the collocation area. For initial applications, each DC Power feed will require two (2) cables.

(R) Cable Material Charges

The CLEC has the option of providing its own cable or the Company may, at the CLEC's request, provide the necessary transmission and power cables for caged, cageless, and virtual collocation arrangements. If the Company provides these cables, the applicable Cable Material Charge will be charged.

(S) Adjacent Engineering Fee

The Adjacent Engineering Fee provides for the initial activities of the Central Office Equipment Engineer, Land & Building Engineer and the Outside Plant Engineer associated with determining the capabilities of providing Adjacent On-Site collocation. The labor charges are for an on-site visit, preliminary investigation of the manhole/conduit systems, wire center and property, and contacting other agencies that could impact the provisioning of adjacent collocation.

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**ACCESS SERVICES**

17. **COLLOCATION SERVICE** (Continued)

17.17 **Description and Application of Rate Elements** (Continued)

17.17.1 **Non-Recurring Charges** (Continued)

(T) **Adjacent Fiber Cable Pull-Engineering**

The Adjacent Fiber Cable Pull-Engineering fee provides for engineering associated with pulling the CLEC's fiber cable in an adjacent collocation arrangement. The Adjacent Fiber Cable Pull-Engineering charge includes the time incurred by the Outside Plant Engineer on the project to determine the conduit/subduct assignment and associated outside plant activity to complete the work.

(U) **Reserved for Future Use**

(V) **Reserved for Future Use**

(W) **Adjacent-Cable Fire Retardant**

This charge is associated with the filling of space around cables extending through walls and between floors with a non-flammable material to prevent fire from spreading from one room or floor to another.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(X) Adjacent Metallic Cable Pull-Engineering

This NRC covers the engineering costs of pulling metallic cable for Adjacent collocation into the Company wire center. For Adjacent collocation, the metallic cable will be spliced in the cable vault to a stubbed connector located on the vertical side of the main distribution frame to provide proper protection for central office equipment.

(Y) Reserved for Future Use

(Z) Adjacent Metallic Cable Splice-Engineering

This charge covers the outside plant engineering costs for cable splice projects associated with an adjacent collocation arrangement.

(AA) Adjacent Metallic DS1/DS0 Cable Splice-Greater Than 200 Pair

This charge is for the labor to splice metallic cables and is based on a per pair spliced.

(AB) Adjacent Metallic DS1/DS0 Cable Splice-Less Than 200 Pair

This charge is for the labor to splice metallic cables and is based on a per pair spliced.

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ACCESS SERVICES

17. COLLOCATION SERVICE (Continued)

17.17 Description and Application of Rate Elements (Continued)

17.17.1 Non-Recurring Charges (Continued)

(AC) Adjacent Fiber Cable Splice

This charge covers the engineering cost and the labor to splice fiber cables.

(AD) Adjacent Facility Pull-Engineering

This charge covers the engineering cost associated with the interconnection wire (cable) from the main distribution frame connector to a termination block or DSX panel.

(AE) Reserved for Future Use

(AF) Adjacent DS0 Cable Termination (Connectorized)/Adjacent DS0 Cable Termination (Unconnectorized)

These charges cover the labor to terminate these types of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(AG) Adjacent DS1 Cable Termination (Connectorized)/Adjacent DS1 Cable Termination (Unconnectorized)

These charges cover the labor of terminating these types of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

(AH) Adjacent DS3 Coaxial Cable Termination (Preconnectorized)/Adjacent DS3 Coaxial Cable Termination (Unconnectorized)

These charges cover the labor of terminating this type of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

(AI) Adjacent Fiber Cable Termination

This charge covers the labor of terminating fiber cable for adjacent collocation to the main distribution frame block or DSX panel.

(AJ) Collocation Space Report

When requested by a CLEC, the Company will submit a report that indicates the Company's available collocation space in a particular premises. The report will be issued within ten calendar days of the request.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(AK) Collocation Space Report (Continued)

The report will specify the amount of collocation space available at each requested premises, the number of collocators and any modifications in the use of the space since the last report. The report will also include measures that the Company is taking to make additional space available for collocation.

(AL) Miscellaneous Services–Labor

Additional labor, if required, by the Company to complete a collocation request, disconnect collocation power cables, remove collocation equipment, or perform inventory services for CLECs will be rated as set forth in 17.18. following.

(AM) DS0 Facility Pull/Termination/Cable

The DS0 Facility Pull/Termination/Cable is applied per 100 DS0 circuits when the CLEC elects to be charged for DS0 facility pull labor, cable termination labor, and cable material with one rate.

(AN) DS1 Facility Pull/Termination/Cable

The DS1 Facility Pull/Termination/Cable is applied per 28 DS1 circuits when the CLEC elects to be charged for DS1 facility pull labor, cable termination labor, and cable material with one rate.

(AO) DS3 Facility Pull/Termination/Cable

The DS3 Facility Pull/Termination/Cable is applied per DS3 circuit when the CLEC elects to be charged for DS1 facility pull labor, cable termination labor, and cable material with one rate.

(AP) Dedicated Transit Service (DTS) Service Order Charge

Applied per DTS order to the requesting CLEC for recovery of DTS order placement and issuance costs. The manual charge applies when the semi-mechanized ordering interface is not used.

(AQ) Dedicated Transit Service (DTS) – Service Connection CO Wiring

Applied per DTS jumper to the requesting CLEC for recovery of DTS jumper material, wiring, and service turn-up for DS0, DS1, DS3, and dark fiber circuits.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(AR) Dedicated Transit Service (DTS) – Service Connection Provisioning

Applied per DTS order to the requesting CLEC for recovery of circuit design and labor costs associated with the provisioning of DS0, DS1, DS3 and dark fiber circuits for DTS.

(AS) Engineering/Major Augment Fee (Microwave Only)

The Engineering/Major Augment Fee for microwave collocation applies when an existing caged and cageless collocation arrangement is augmented with newly installed microwave antennae and other exterior facilities. This charge recovers the costs of the initial walkthrough to determine if there is sufficient space, the best location for the microwave antennae and other exterior facilities, what building modifications are necessary, if any, and if sufficient support facilities exist in the premises to accommodate the microwave antennae and other exterior facilities. This fee also includes the total time for the Building Services Engineer to coordinate the entire project.

(AT) Facility Pull (Microwave Only)

The Facility Pull charge is applied per linear foot and recovers the labor cost of pulling transmission cable from the microwave antennae and other exterior facilities on the rooftop to the transmission equipment in the collocation cage or relay rack.

(AU) Building Penetration for Microwave Cable

The reasonable costs to penetrate buildings for microwave cable to connect microwave antennae facilities and other exterior facilities to the transmission equipment in the collocation cage or relay rack will be determined and applied on an individual case basis, where technically feasible, as determined by the initial and subsequent Engineering surveys.

(AV) Special Work for Microwave

The costs incurred by the Company for installation of CLEC's microwave antennae and other exterior facilities that are not recovered via other microwave rate elements will be determined and applied on an individual case basis.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.1 Non-Recurring Charges (Continued)**

(AW) Virtual Equipment Installation

The Virtual Equipment Installation charge is applied on a per quarter rack (or quarter bay) basis and recovers the costs incurred by the Company for engineering and installation of the virtual collocation equipment. This charge would apply to the installation of powered equipment including, but not limited to, ATM, DSLAM, frame relay, routers, OC3, OC12, OC24, OC48, and NGDLC. This charge does not apply for the installation of splitters.

(AX) Virtual Software Upgrade

The Virtual Software Upgrade charge is applied per base unit when the Company, upon CLEC request, installs software to upgrade equipment for an existing virtual collocation arrangement.

(AY) Virtual Card Installation

The Virtual Card Installation charge is applied per card when the Company, upon CLEC request, installs additional cards for an existing virtual collocation arrangement.

(AZ) Cage Ground Bar

If a CLEC elects to subcontract collocation cage construction to a Company approved contractor, the Company will provision a ground bar in the CLEC's cage. The charge is applied per ground bar and recovers the material and labor costs to install the grounding bar, including necessary grounding wire.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.2 Monthly Charges**

The following are monthly charges. Monthly charges apply each month or fraction thereof that collocation Service is provided.

(A) Caged Floor Space

Caged Floor Space is the cost per square foot to provide environmentally conditioned caged floor space to the CLEC. Environmentally conditioned space is that which has proper humidification and temperature controls to house telecommunications equipment. The cost includes only that which relates directly to the land and building space itself.

(B) Relay Rack Floor Space

The Relay Rack Floor Space charge provides for the environmentally conditioned floor space that a relay rack occupies based on linear feet. The standardized relay rack floor space depth is based on half the aisle area in front and back of the rack, and the depth of the equipment that will be placed within the rack.

(C) Cabinet Floor Space

The Cabinet Floor Space charge provides for the environmentally conditioned floor space that a telecommunications equipment cabinet occupies based on linear feet. The standardized floor space depth is based on the size of the cabinet and half of the aisle in the front and rear of the cabinet. The cabinet size is based on the Company's standard cabinet size of 33 inches by 29 inches.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.2 Monthly Charges (Continued)**

(D) Cable Subduct Space–Manhole

This charge applies per project per month and covers the cost of the space that the outside plant fiber occupies within the manhole.

(E) Cable Subduct Space

The Subduct Space charge covers the cost of the subduct space that the outside plant fiber occupies and applies on a per linear foot basis.

(F) Fiber Cable Vault Splice

The Fiber Cable Vault Splice charge applies per subduct or per splice and covers the space and material cost associated with the CLEC's fiber cable splice within the Company's cable vault.

(G) Cable Rack Space-Metallic

The Cable Space–Metallic charge is applied for each DS0, DS1 and DS3 cable run. The charge is designed to recover the space utilization cost that the CLEC's metallic and coaxial cable occupies within the Company's cable rack system.

(H) Cable Rack Space-Fiber

The Cable Rack Space-Fiber charge recovers the space utilization cost that the CLEC's fiber cable occupies within the Company's cable rack system.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.2 Monthly Charges (Continued)**

(I) DC Power

The DC Power monthly charge is applied on a per load amp basis with a 10 amp minimum for each caged, cageless, and virtual collocation arrangement. This charge is designed to recover the monthly facility and utility expense to power the collocation equipment.

(J) Facility Termination (DSO)

This charge is applied per cable terminated. This charge is designed to recover the labor and material costs of the applicable main distribution frame 100 pair circuit block, DSX facility termination panel, or fiber distribution panel.

(K) BITS Timing

The BITS Timing monthly charge is designed to recover equipment and installation cost to provide synchronized timing for electronic communications equipment. This rate is based on a per port cost.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.2 Monthly Charges (Continued)**

**(L) Building Modification**

The Building Modification monthly charge is applied to each caged, cageless, and virtual arrangement and is associated with provisioning the following items in the Company's premises security, dust partition, ventilation ducts, demolition/site work, lighting, outlets, and grounding equipment.

**(M) Environmental Conditioning**

The Environmental Conditioning charge is applied to each caged, cageless, and virtual arrangement on a per load amp increment (10 amp minimum) based on the CLEC's DC Power requirements. This charge is associated with the provisioning of heating, ventilation, and air conditioning systems for the CLEC's equipment in the Company's premises.

**(N) Adjacent Cable Subduct Space-Manhole**

This charge covers the space utilization cost that the outside plant fiber or metallic cable occupies within the manhole.

**(O) Reserved for Future Use**

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ACCESS SERVICES

17. COLLOCATION SERVICE (Continued)

17.17 Description and Application of Rate Elements (Continued)

17.17.2 Monthly Charges (Continued)

(P) Adjacent Conduit Space (Metallic)-Manhole

This charge covers the space utilization cost that the outside plant metallic cable occupies within the manhole.

(Q) Reserved for Future Use

(R) Adjacent Facility Termination DS0 Cable

This charge is applied per 100 pair cable terminated. This charge is designed to recover the labor and material cost of the main distribution frame 100 pair circuit block.

(S) Adjacent Facility Termination DS1 Cable

The Facility Termination (DS1) charge is applied per 28 pair DS1 cable terminated. This charge is designed to recover the labor and material cost of the DSX facility termination panel.

(T) Adjacent Facility Termination DS3 Cable

The Facility Termination (DS3) charge is applied per DS3 cable terminated. This charge recovers the labor and material cost of the DSX facility termination panel.

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**ACCESS SERVICES**

**17. COLLOCATION SERVICE (Continued)**

**17.17 Description and Application of Rate Elements (Continued)**

**17.17.2 Monthly Charges (Continued)**

(U) Adjacent Cable Vault Space

The Adjacent Cable Vault Space charge covers the cost of the space the CLEC's cable occupies within the cable vault. The charge is based on the diameter of the cable or subduct.

(V) Adjacent Cable Rack Space

This charge covers the space utilization cost that the CLEC's fiber, metallic or coaxial cable occupies within the cable rack system. The charge is based on the linear feet occupied.

(W) DS0 Facility Pull/Termination/Cable

This monthly charge is applied per 100 DS0 circuits when the CLEC elects to recover the labor and material cost of the cable rack space main distribution frame with one rate.

(X) DS1 Facility Pull/Termination/Cable

This monthly charge is applied per 28 DS1 circuits when the CLEC elects to recover the labor and material cost of the cable rack space DSX panel with one rate.

(Y) DS3 Facility Pull/Termination/Cable

This monthly charge is applied per DS3 circuit when the CLEC elects to recover the labor and material cost of the cable rack space DSX panel with one rate.

(Z) Microwave Rooftop Space

Microwave Rooftop Space is the cost per square foot to provide rooftop space to the CLEC for microwave antennae and other exterior facilities. The cost includes only that which relates directly to the land and building space itself.

(AA) Virtual Equipment Maintenance

The Virtual Equipment Maintenance charge is applied on a per quarter rack (or quarter bay) basis and recovers the costs incurred by the Company for maintenance of the CLEC's virtual collocation equipment. This charge would apply to the maintenance of equipment including, but not limited to, ATM, DSLAM, frame relay, routers, OC3, OC12, OC24, OC48, and NGDLC. This charge does not apply for the maintenance of splitters.

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17.	<b><u>COLLOCATION SERVICE</u></b> (Continued)		
17.18	<b><u>Rates and Charges</u></b>	<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.1	<b>Engineering/Major Augment Fee, Per Occurrence</b>		
	Caged or Cageless	\$1,128.54	--
	Virtual	693.40	--
	Microwave	1,624.92	--
17.18.2	<b>Minor Augment Fee, Per Occurrence</b>	199.42	--
17.18.3	<b>Access Card Administration, Per Card</b>	17.00	--
17.18.4	<b>Cage Enclosure, Per Cage</b>		
	25-100 Sq.Ft. Cage	4,744.91	--
	101-200 Sq.Ft. Cage	6,232.54	--
	201-300 Sq.Ft. Cage	7,720.17	--
	301-400 Sq.Ft. Cage	9,207.79	--
	401-500 Sq.Ft. Cage	10,695.42	--
17.18.5	<b>Cage Enclosure Augment Per Sq.Ft. Fencing</b>	13.68	--
17.18.6	<b>BITS Timing,</b>		
	Per Project	292.36	--
	Per Port	--	\$ 9.45
17.18.7	<b>Overhead Superstructure, Per Project</b>	2,482.54	--
17.18.8	<b>Facility Pull Engineering, Per Project</b>	75.96	--
17.18.9	<b>Facility Pull, Per Cable Run</b>		
	Metallic	212.10	--
	Fiber Optic Patchcord	201.65	
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<b>17. COLLOCATION SERVICE (Continued)</b>		
<b>17.18 Rates and Charges (Continued)</b>		
	<u>NRC</u>	<u>MONTHLY CHARGE</u>
<b>17.18.10 Cable Termination</b>		
DSO Cable, per 100 pair cable terminated	\$4.21	--
DS1 Cable, per 28 pair cable terminated	1.05	--
DS3 Coaxial Cable (Preconnectorized) per cable terminated	1.05	--
DS3 Coaxial Cable (Unconnectorized) per cable terminated	10.54	--
Fiber Optic Patchcord per termination	1.09	--
<b>17.18.11 Fiber Cable Pull-Engineering</b>		
Per Project	606.30	--
<b>17.18.12 Fiber Cable Pull-Place Innerduct</b>		
Per Linear Foot	2.50	--
<b>17.18.13 Fiber Cable Pull-Labor</b>		
Per Linear Foot	1.05	--
<b>17.18.14 Fiber Cable Pull-Cable Fire Retardant</b>		
Per Occurrence	42.14	--
<b>17.18.15 Fiber Splice-Engineering</b>		
Per Project	30.32	--
<b>17.18.16 Fiber Cable Splice</b>		
Per Fiber	48.32	--
<b>17.18.17 DC Power</b>		
Engineering Per Project	75.96	
CablePull/Termination Per Project	1,359.63	
Ground Wire Per Wire	18.12	--
Facility and Utility Per Load Amp (10 Amp Min)	--	\$15.12
(Continued)		
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ACCESS SERVICES		
17.	<b><u>COLLOCATION SERVICE</u></b> (Continued)	
17.18	<b><u>Rates and Charges</u></b> (Continued)	
		<u>NRC</u>
		<u>MONTHLY CHARGE</u>
17.18.18	<b>Cable Material Charge</b>	
	Facility Cable, Per Cable Run	
	DSO Cable (Connectorized)	
	100 Pair	\$330.18
	DS1 Cable (Connectorized)	306.56
	DS3 Coaxial Cable	83.84
	Fiber Optic Patchcord-24 Fiber (Connectorized)	819.55
	Facility Cable, Per Linear Foot	
	Category 5 (Connectorized)	1.08
	Power Cable, A Feed, B Feed w/ Battery Return	
	Per 40 Amps	354.75
	Per 100 Amps	458.35
	Per 200 Amps	631.01
	Reserved for Future Use	--
	Reserved for Future Use	--
	Reserved for Future Use	--
	Reserved for Future Use	--
	Reserved for Future Use	--
	Reserved for Future Use	--
	Reserved for Future Use	--
17.18.19	<b>Caged Floor Space, Per Square Foot,</b> Per Month	--
		\$2.71
17.18.20	<b>Relay Rack Floor Space,</b> Per Linear Foot, Per Month	--
		11.53
17.18.21	<b>Cabinet Floor Space, Per Linear Foot,</b> Per Month	--
		15.60
17.18.22	<b>Cable Subduct Space-Manhole</b> Per Project, Per Month	--
		4.61
17.18.23	<b>Cable Subduct Space</b> Per Linear Foot, Per Month	--
		.04
17.18.24	<b>Fiber Cable Vault Splice-48 Fiber</b> Material, Per Splice, Per Month	--
		10.03
(Continued)		
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ACCESS SERVICES			
17.	<b><u>COLLOCATION SERVICE</u></b> (Continued)		
17.18	<b><u>Rates and Charges</u></b> (Continued)		
		<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.25	Fiber Cable Vault Splice-48 Fiber Per Subduct, Per Month	--	\$ .93
17.18.26	Fiber Cable Vault Splice-96 Fiber Material, Per Splice, Per Month	--	28.66
17.18.27	Fiber Cable Vault Splice-96 Fiber Per Subduct, Per Month	--	.93
17.18.28	Cable Rack Space-Metallic Per Cable Run, Per Month	--	.51
17.18.29	Cable Rack Space-Fiber Fiber Entrance Facility Cable, Per Innerduct Foot, Per Month	--	.01
	Fiber Optic Patchcord to Fiber Distribution Frame, Per Cable Run, Per Month	--	.56
17.18.30	Facility Termination		
	DSO, Per 100 Pair, Per Month	--	3.42
	DS1, Per 28 Pair, Per Month	--	14.40
	DS3, Per DS3, Per Month	--	10.00
	Fiber Optic Patchcord, Per Connector, Per Month	--	.97
17.18.31	Building Modification Per Request	--	189.32
17.18.32	Environmental Conditioning Per Load Amp DC Power (10 Amp Min)	--	2.30
17.18.33	Adjacent Engineering Fee On-Site, Per Occurrence	\$958.00	--
17.18.34	Adjacent Fiber Cable Pull- Engineering, Per Project	606.30	--
(Continued)			
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ACCESS SERVICES			
17. <u>COLLOCATION SERVICE</u> (Continued)			
17.18 <u>Rates and Charges</u> (Continued)			
		<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.44	<b>Adjacent Cable Termination, Per Cable Run</b>		
	DSO Cable (Connectorized) Per 100 Pair	\$ 4.21	--
	DSO Cable (Unconnectorized) Per 100 Pair	42.14	--
	DS1 Cable (Connectorized) Per 28 Pair	1.05	--
	DS1 Cable (Unconnectorized) Per 28 Pair	31.61	--
	DS3 Coaxial Cable (Preconnectorized) Per DS3	1.05	--
	DS3 Coaxial Cable (Unconnectorized) Per DS3	10.54	--
	Fiber Cable, Per Fiber Termination	48.32	--
17.18.45	<b>Adjacent Subduct Space</b>		
	Manhole, Per Project	--	\$ 4.61
	Reserved for Future Use	--	--
17.18.46	<b>Adjacent Conduit Space (4" Duct)</b>		
	Manhole, Metallic, Per Conduit	--	10.30
	Reserved for Future Use	--	--
17.18.47	<b>Adjacent Facility Termination-Material</b>		
	DSO Cable, Per 100 Pair	--	3.42
	DS1 Cable, Per 28 Pair	--	14.40
	DS3 Cable, Per Coaxial	--	10.00

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ACCESS SERVICES			
17.	<b><u>COLLOCATION SERVICE</u> (Continued)</b>		
17.18	<b><u>Rates and Charges</u> (Continued)</b>		
		<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.48	<b>Adjacent Cable Vault Space</b>		
	Per 1200 Pair, Material, Per Splice	--	\$382.08
	Per 1200 Pair, Per Cable	--	3.60
	Per 900 Pair, Material, Per Splice	--	278.26
	Per 900 Pair, Per Cable	--	2.78
	Per 600 Pair, Material, Per Splice	--	184.24
	Per 600 Pair, Per Cable	--	1.98
	Per 100 Pair, Material, Per Splice	--	38.84
	Per 100 Pair, Per Cable	--	.45
	Per 48 Fiber, Material, Per Splice	--	10.03
	Per 48 Fiber, Per Subduct	--	.93
	Per 96 Fiber, Material, Per Splice	--	28.66
	Per 96 Fiber, Per Subduct	--	.93
17.18.49	<b>Adjacent Cable Rack Space</b>		
	Reserved for Future Use	--	--
	Reserved for Future Use	--	--
	Fiber, Per Innerduct Foot	--	.01
	Reserved for Future Use	--	--
17.18.50	<b>Collocation Space Report</b>		
	Per Wire Center or Access Tandem Requested	\$1,217.52	--
17.18.51	<b>Labor Rates, Per Technician</b>		
	Basic Business Day		
	1st Half Hour	38.97	--
	Each Additional Half Hour	19.49	--
	Overtime Non-Business Day		
	1st Half Hour	100.00	--
	Each Additional Half Hour	75.00	--
	Premium Non-Business Day		
	1st Half Hour	150.00	--
	Each Additional Half Hour	125.00	--
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ACCESS SERVICES			
17.	<b><u>COLLOCATION SERVICE</u> (Continued)</b>		
17.18	<b><u>Rates and Charges</u> (Continued)</b>		
		<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.52	<b>DS0 Facility Pull/Termination/Cable, Per 100 Circuits</b>		
	Per Cable Run	\$546.49	
	Per Cable Run, Per Month		\$3.93
17.18.53	<b>DS1 Facility Pull/Termination/Cable, Per 28 Circuits</b>		
	Per Cable Run	519.71	
	Per Cable Run, Per Month		14.91
17.18.54	<b>DS3 Facility Pull/Termination/Cable, Per Circuit</b>		
	Per Cable Run	296.99	
	Per Cable Run, Per Month		10.51
17.18.55	<b>Dedicated Transit Service</b>		
	<b>DS0</b>		
	Service Order, Semi-Mechanized, per order	21.89	--
	Service Order, Manual, per order	38.02	--
	Service Connection CO Wiring, per jumper	6.93	--
	Service Connection Provisioning, per order	64.95	--
	<b>DS1, DS3, Dark Fiber</b>		
	Service Order, Semi-Mechanized, per order	21.89	--
	Service Order, Manual, per order	38.02	--
	Service Connection CO Wiring, per jumper	16.89	--
	Service Connection Provisioning, per order	78.57	--
(Continued)			
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 Canceling Original P.S.C.N. Sheet No. 635

ACCESS SERVICES			
17.	<b><u>COLLOCATION SERVICE</u> (Continued)</b>		
17.18	<b><u>Rates and Charges</u> (Continued)</b>		
		<u>NRC</u>	<u>MONTHLY CHARGE</u>
17.18.56	Facility Pull (Microwave Only), Per Linear Foot	\$1.09	--
17.18.57	Microwave Rooftop Space Per Square Foot, Per Month	--	\$2.74
17.18.58	Building Penetration for Microwave Cable, Per Occurrence	ICB	--
17.18.59	Special Work for Microwave, Per Occurrence	ICB	--
17.18.60	Virtual Equipment Installation, Per Quarter Rack or Quarter Bay	3,557.02	--
17.18.61	Virtual Software Upgrade, Per Base Unit	93.17	--
17.18.62	Virtual Card Installation, Per Card	230.07	--
17.18.63	Virtual Equipment Maintenance, Per Quarter Rack or Quarter Bay	--	75.67
17.18.64	Cage Ground Bar, Per Bar	1,411.36	--
17.18.65	<p><b>Extraordinary Charges</b>                      Collocator will be responsible for all extraordinary construction costs, incurred by Frontier to prepare the Collocation space for the installation of Collocator's equipment and for extraordinary costs to maintain the Collocation space for Collocator's equipment on a going-forward basis. Extraordinary costs may include costs (but not limited to) for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, increasing the DC power system infrastructure capacity, increasing the capacity of the AC system (if available), or of the existing commercial power facility, installation, maintenance, repair, monitoring of securing measures, conversion of non-Collocation space, or other modifications required by local ordinances. Ordinary costs may become extraordinary by their unusual nature (e.g. volume that is substantially beyond the average or typical Collocation arrangement or request) or its infrequency of occurrence (e.g. construction that will benefit only the requesting Collocator).</p> <p>Frontier will charge a one-time, non-recurring fee for extraordinary costs on a time-sensitive or time-and-materials basis. Extraordinary costs will only be billed upon receipt of the signed acceptance and construction will not begin until receipt of the Collocator's signed acceptance and payment.</p>		(N)
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