

ACCESS SERVICE

Regulations, Rates and Charges applying to the provision of Access Service for connection to intrastate communications facilities for Intrastate Customers within the operating territory of the

Lumos Networks Inc.
in the State of Virginia
as provided herein.

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

ACCESS SERVICECHECK SHEET

Title Page	Original	Page 26	Original
Check Sheet Page 1	Fifth *	Page 27	Original
Table of Contents Page2	Original	Page 28	Original
Table of Contents Page3	Original	Page 29	Original
Users Guide Page 4	Original	Page 30	Original
Page 5	Original	Page 31	Original
Page 6	Original	Page 32	Original
Page 7	Original	Page 33	Original
Page 8	Original	Page 34	Original
Page 9	Original	Page 35	Original
Page 10	Original	Page 36	Original
Page 11	Original	Page 37	Original
Page 12	Original	Page 38	Original
Page 13	Original	Page 39	Original
Page 14	Original	Page 40	Original
Page 15	Original	Page 41	Original
Page 16	Fifth *	Page 42	Original
Page 17	Original	Page 43	Original
Page 18	Original	Page 44	Original
Page 19	Original	Page 45	Original
Page 20	Original	Page 46	Original
Page 21	Original	Page 47	First
Page 22	Original	Page 48	First
Page 23	Original	Page 49	First
Page 24	Original	Page 50	First
Page 25	Original	Page 51	First

* Revised Pages

ACCESS SERVICE

TABLE OF CONTENTS

Check Sheet 1

Users Guide..... 4

Concurring Carriers 5

Connecting Carriers 5

Other Participating Carriers 5

Registered Service Marks 5

Registered Trademarks 5

Explanation of Symbols 5

 1. Application of Tariff 6

 2. General Regulations 7

 3. Carrier Common Line Access Service 7

 4. End User Access Service..... 7

 5. Access Ordering 7

 6. Switched Access Service..... 7

 7. Special Access Service..... 7

 8. Lifeline Assistance and Universal Service Fund Charges..... 7

 9. Directory Assistance Service..... 7

10. Special Federal Government Access Services 7

11. Special Facilities Routing of Access Service 7

12. Specialized Service or Arrangements..... 7

13. Additional Engineering, Additional Labor and Miscellaneous Services 7

14. Exceptions to Access Service Offerings 8

15. Access Service Interfaces and Transmission Specifications 9

16. Reserved for Future Use..... 10

ACCESS SERVICETABLE OF CONTENTS (cont.)**17. RATES AND CHARGES**

17.1	<u>Reserved For Future Use</u>	11
17.2	<u>Switched Access Service</u>	12
17.2.1	Nonrecurring Charges	12
17.2.2	Recurring Charges.....	13
17.2.3	End Office	16
17.2.4	Directory Assistance Service	17
17.2.5	Assumed Minutes of Use	18
17.2.6	Operator Transfer Service Per Call Transferred	18
17.2.7	Carrier Common Line Service	18
17.3	<u>Special Access Service</u>	19
17.3.1	Surcharge for Special Access Service	19
17.3.2	Metallic Service	20
17.3.3	Telegraph Grade Service.....	21
17.3.4	Voice Grade Service	22
17.3.5	Program Audio Service.....	26
17.3.6	Video Service.....	28
17.3.7	Digital Data Service	29
17.3.8	High Capacity Service	31
17.3.9	Individual Case Filings	34
17.4	<u>Other Services</u>	35
17.4.1	Access Ordering.....	35
17.4.2	Additional Engineering.....	36
17.4.3	Additional Labor	37
17.4.4	Miscellaneous Services	39
17.4.5	Special Federal Government Access Services	44
17.4.6	Special Facilities Routing of Access Services	45
17.4.7	Specialized Service or Arrangements	46
17.5	<u>Identification and Rating of Toll VoIP-PSTN Traffic</u>	47
17.5.1	Scope.....	47
17.5.2	Rate of Toll VoIP-PSTN Traffic.....	47
17.5.3	Calculation and Application of Percent-VoIP Usage Factor	47
17.5.4	PVU Factors.....	49
17.5.5	PVU Factor Verification	49

ACCESS SERVICEUSERS GUIDEGeneral

This tariff references the National Exchange Carrier Association, Inc. (NECA) Access Service Tariff F.C.C. No. 5 for its terms and conditions. This tariff contains rates applicable to Intrastate Access Services provided within the State of Virginia by LUMOS NETWORKS INC. with the exception of End User Access, Lifeline Assistance and Universal Service Fund rates. LUMOS NETWORKS INC. concurs with the NECA Tariff F.C.C. No. 5 rates for End User Access, Lifeline Assistance and Universal Service Fund.

LUMOS NETWORKS INC. references the regulations, terms and conditions of the NECA Access Service Tariff F.C.C. No. 5 for the General Regulations, End User Common Line, Switched Access and Special Access Services, Lifeline Assistance, Universal Service Fund and other miscellaneous services contained therein. Regulations, terms and conditions applicable of these services are therefore specifically cross referenced and included in the following sections of the NECA Access Service Tariff F.C.C. No. 5 with the exception of Section 3:

All references contained in NECA Tariff F.C.C. No. 5 to interstate jurisdiction should likewise be read intrastate where applicable.

Users Guide
 Explanation of Abbreviations
 Reference to Other Tariffs
 Reference to Technical Publications

Section 2	General Regulations
Section 3	Carrier Common Line Access Service
Section 4	End User Access Service
Section 5	Ordering Options
Section 6	Switched Access Service
Section 7	Special Access Service
Section 8	Lifeline Assistance and Universal Service Fund
Section 9	Directory Assistance Service
Section 10	Special Federal Government Access Service
Section 11	Special Facilities Routing of Access Service
Section 12	Specialized Service or Arrangements
Section 13	Additional Engineering, Additional Labor and Miscellaneous Services
Section 14	Exceptions
Section 15	Access Service Interfaces and Transmission Specifications

ACCESS SERVICE

CONCURRING CARRIERS

None

CONNECTING CARRIERS

None

OTHER PARTICIPATING CARRIERS

None

REGISTERED SERVICE MARKS

None

REGISTERED TRADEMARKS

None

EXPLANATION OF SYMBOLS

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

ACCESS SERVICE1. Application of Tariff

- 1.1 This tariff contains rates and charges applicable to the provision of Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by LUMOS NETWORKS INC., hereinafter referred to as the Company, to customers. This tariff also contains Access Ordering charges that are applicable when these services are ordered or modified by the customer.

This tariff also references the National Exchange Carrier Association Tariff No. 5, Section 8 for rates and regulations associated with Universal Service Fund charges. Refusal and discontinuance of service to intrastate customers for non-payment of Universal Service Fund charges shall be in accordance with National Exchange Carrier Association Tariff No. 5, Section 2.

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

ACCESS SERVICE

2. General Regulations
3. Carrier Common Line Access Service
4. End User Access Service
5. Access Ordering
6. Switched Access Service
7. Special Access Service
8. Lifeline Assistance and Universal Service Fund Charges
9. Directory Assistance Service
10. Special Federal Government Access Services
11. Special Facilities Routing of Access Service
12. Specialized Service or Arrangements
13. Additional Engineering, Additional Labor and Miscellaneous Services

The regulations for the above tariff sections are the same as those contained in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 5, Access Service with the exception of Section 3.

Specific cross reference is therefore made to NECA Tariff F.C.C. No. 5, Sections 2 and 4-13.

ACCESS SERVICE14. Exceptions to Access Service Offerings

The services offered under the provisions of this tariff are subject to availability as set forth in the National Exchange Carrier Association, Inc. Access Service Tariff F.C.C. No. 5, Section 2.1.4. In addition, the following exceptions apply:

(In planning an end-to-end service, the customer should contact the Company in each customer designated 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.

None

14.2 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

None

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.

None

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.

None

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.

None

ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications

The Access Service Interfaces and Transmission Specifications applicable to services offered in this tariff are the same as those applicable to the NECA Tariff F.C.C. No. 5.

Specific cross reference is therefore made to the NECA Tariff F.C.C. No. 5, Section 15.

ACCESS SERVICE

16. Reserved For Future Use

ACCESS SERVICE

17. Rates and Charges

All Tariff Section References contained herein are to the National Exchanger Carrier Association, Inc. (NECA) Access Service Tariff F.C.C. No. 5 with the exception of Carrier Common Line Access Service.

17.1 Reserved for Future Use

ACCESS SERVICE17. Rates and Charges (cont.)17.2 Switched Access Service17.2.1 Nonrecurring ChargesRateNECA
Tariff No. 5
Section
Reference

(A) <u>Local Transport</u> <input type="checkbox"/> <u>Installation</u> <u>Per Entrance Facility</u>		6.4.1(B)(1)
<input type="checkbox"/> Voice Grade Two Wire	\$161.00	
<input type="checkbox"/> Voice Grade Four Wire	\$161.00	
<input type="checkbox"/> High Capacity DS1	\$181.00	
<input type="checkbox"/> High Capacity DS3	\$499.00	
(B) <u>Interim NXX Translation Per Order</u>	\$ 81.00	6.4.1(B)(2)
<input type="checkbox"/> Per LATA or Market Area		
(C) <u>FGC and FGD Conversion of Multi-</u> <u>frequency Address Signaling to</u> <u>SS7 Signaling or SS7 Signaling to</u> <u>Multifrequency Address Signaling</u>		
<input type="checkbox"/> Per 24 Trunks Converted or Fraction Thereof on a Per Order Basis	\$260.00	6.4.1(B)(3)
(D) <u>Direct Trunked Transport Activation</u>	<u>Per Order</u>	
<input type="checkbox"/> Per 24 Trunks Activated or Fraction Thereof on a Per Order Basis	\$249.00	6.4.1(B)(1)
(E) <u>Local Transport</u> <input type="checkbox"/> <u>Installation</u> <u>Per Line or Trunk</u>	\$220.00	6.4.1(B)(1)

ACCESS SERVICE17. Rates and Charges (cont.)17.2 Switched Access Service (cont.)NECA
Tariff No. 5
Section
Reference17.2.2 Recurring ChargesRateLocal TransportPremium Access

<input type="checkbox"/>	<u>Entrance Facility</u> Per Termination		6.1.3(A)(1)
<input type="checkbox"/>	Voice Grade Two Wire	\$ 35.94	
<input type="checkbox"/>	Voice Grade Four Wire	\$ 57.51	
<input type="checkbox"/>	High Capacity DS1	\$ 189.58	
<input type="checkbox"/>	High Capacity DS3	\$2,199.15	
<input type="checkbox"/>	<u>Direct Trunked Transport</u>		6.1.3(A)(2)
<input type="checkbox"/>	<u>Direct Trunked Facility</u> Per Mile		
<input type="checkbox"/>	Voice Grade	\$ 2.56	
<input type="checkbox"/>	High Capacity DS1	\$ 23.14	
<input type="checkbox"/>	High Capacity DS3	\$ 222.11	
<input type="checkbox"/>	<u>Direct Trunked Termination</u> Per Termination		
<input type="checkbox"/>	Voice Grade	\$ 25.73	
<input type="checkbox"/>	High Capacity DS1	\$ 110.29	
<input type="checkbox"/>	High Capacity DS3	\$ 580.86	
<input type="checkbox"/>	<u>Multiplexing</u> Per Arrangement		6.1.3(A)(5)
<input type="checkbox"/>	DS3 to DS1	\$ 520.49	
<input type="checkbox"/>	DS1 to Voice	\$ 200.95	
<input type="checkbox"/>	<u>Tandem Switched Transport</u>		6.1.3(A)(3)
<input type="checkbox"/>	<u>Tandem Switched Facility</u> Per Access Minute Per Mile	\$0	
<input type="checkbox"/>	<u>Tandem Switched Termination</u> Per Access Minute Per Termination	\$0	

ACCESS SERVICE17. Rates and Charges (cont.)17.2 Switched Access Service (cont.)17.2.2 Recurring Charges (cont.)RateNECA
Tariff No. 5
Section
ReferenceLocal Transport (cont.)Premium Access (cont.) Tandem Switching
Per Access Minute Per Tandem

\$0

 Transport Interconnection Charge
Per Access Minute

\$0

6.1.3(A)(4)

Network Blocking Per Blocked Call
Applies to FGD only

\$0

6.8.6

ACCESS SERVICE

17. Rates and Charges (cont.)

17.2 Switched Access Service (cont.)17.2.2 Recurring Charges (cont.)Local Transport (cont.)

(A) <u>Common Channel Signaling Network Connection</u>		NECA Tariff No. 5 Section <u>Reference</u>
(1) Signaling Network Access Link	<u>Rate</u>	
<input type="checkbox"/> Signaling Mileage Facility Per Mile\$	\$ 4.83	6.10.5
<input type="checkbox"/> Signaling Mileage Termination Per Termination	\$ 48.52	
<input type="checkbox"/> Signal Entrance Facility Per Facility	\$ 62.70	Nonrecurring <u>Charge</u> \$221.00
(2) STP Port		
<input type="checkbox"/> Per Port	\$455.00	
(B) <u>800 Data Base Access Service Queries</u>		6.10.6
Per Query		
Basic	\$0.0054	
Vertical Feature	\$0.0059	

ACCESS SERVICE17. Rates and Charges (cont.)17.2 Switched Access Service (cont.)17.2.3 End Office

(A) <u>Benchmark Rate</u>	<u>Rate</u>	
Originating – Non VOIP Traffic	\$0.02213	
Originating – VOIP Traffic	\$0.004869	
Terminating – All Traffic	\$0.00	(R)

ACCESS SERVICE17. Rates and Charges (cont.)

17.2	<u>Switched Access Service</u> (cont.)		NECA Tariff No. 5 Section <u>Reference</u>
17.2.4	<u>Directory Assistance Service</u>	<u>Rate</u>	
(A)	<u>Directory Assistance Service</u> A Directory Assistance Service Charge applies for each call to Directory Assistance Service.	N/A	9.4.2
(B)	<u>Credit Allowance for Uncompleted DA Calls</u> In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth, respectively, in Sections 9.4.8(A) and (B) of the NECA Tariff F.C.C. No. 5, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:		
(1)	Credit per call when Feature Group A or B Switched Access Service is billed using premium per minute rates	N/A	9.4.8
(2)	Credit per call when Feature Group C or D Switched Access Service is billed using premium per minute rates	N/A	9.4.8

ACCESS SERVICE17. Rates and Charges (cont.)

17.2	<u>Switched Access Service</u> (cont.)	Assumed Minutes Per Month Per Line or Trunk	NECA Tariff No. 5 Section Reference
17.2.5	<u>Assumed Minutes of Use</u>		
	(A) Feature Group A, Two-Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
	(B) Feature Group A, Originating Only	1510	6.5.4
	(C) Feature Group A, Terminating Only	2685	6.5.4
	Feature Group B, Two-Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
	(E) Feature Group B, Originating Only	3132	6.6.4
	(F) Feature Group B, Terminating Only	5568	6.6.4
		<u>Rate</u>	
17.2.6	<u>Operator Transfer Service</u> <u>Per Call Transferred</u>	\$0.4588	6.10.4
17.2.7	<u>Carrier Common Line Service</u>		
	The Carrier Common Line (CCL) Service is assessed on the total number of access minutes.		N/A
		<u>Rate</u>	
	- Originating, Per Access Minute	\$0	
	- Terminating, Per Access Minute	\$0	

ACCESS SERVICE

17. Rates and Charges (cont.)

17.3 Special Access Service

17.3.1 Surcharge for Special Access Service

Regulations concerning the surcharge for special access service are set forth in Section 7.3 of the NECA Tariff F.C.C. No. 5.

The rate applicable to the surcharge for special access service is set forth in the NECA Tariff F.C.C. No. 5 at Section 17.3.1.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination	\$20.21	\$118.99
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$30.79	
(2) Channel Mileage Termination Per Termination	\$ 2.14	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$ 6.10	
(b) Series Bridging Per Port	\$ 6.10	

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
<input type="checkbox"/> Two-Wire	\$20.21	\$118.99
<input type="checkbox"/> Four-Wire	\$40.43	\$118.99
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$ 2.56	
(2) Channel Mileage Termination Per Termination		\$25.73
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
<input type="checkbox"/> Two-Wire	\$ 6.10	
<input type="checkbox"/> Four-Wire	\$ 6.10	

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Services are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
<input type="checkbox"/> Two-Wire	\$35.94	\$161.00
<input type="checkbox"/> Four-Wire	\$57.51	\$161.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$ 2.56	
(2) Channel Mileage Termination Per Termination		\$25.73
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
Two-Wire/Four Wire		
Two-Wire	\$ 6.10	
Four-Wire	\$ 6.10	

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.4 Voice Grade Service (cont.)(C) Optional Features and Functions (cont.)Monthly
Rate(1) Bridging (cont.)(b) Data Bridging Per Port

- | | |
|------------------------------------|--------|
| <input type="checkbox"/> Two-Wire | \$6.10 |
| <input type="checkbox"/> Four-Wire | \$6.10 |

(c) Telephoto Bridging Per Port

- | | |
|------------------------------------|--------|
| <input type="checkbox"/> Two-Wire | \$6.10 |
| <input type="checkbox"/> Four-Wire | \$6.10 |

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports Per Channel
Connected

- | | |
|------------------------------------|-----|
| <input type="checkbox"/> Two-Wire | ICB |
| <input type="checkbox"/> Four-Wire | ICB |

Addressable Arrangement, Ports Per Channel
Connected

- | | |
|------------------------------------|-----|
| <input type="checkbox"/> Two-Wire | ICB |
| <input type="checkbox"/> Four-Wire | ICB |

(e) Telemetry and Alarm BridgingActive Bridging Channel Connections Per
Channel Connected

- | | |
|-------------------------------------|--------|
| <input type="checkbox"/> Split Band | \$8.82 |
| <input type="checkbox"/> Summation | \$3.44 |

Passive Bridging Channel Connections Per
Channel Connected

\$0.24

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.4 Voice Grade Service (cont.)

(C) Optional Features and Functions (cont.)	<u>Monthly Rate</u>
(2) Conditioning Per Termination	
<input type="checkbox"/> C Type	\$ 7.83
<input type="checkbox"/> Improved Attenuation Distortion*	None
<input type="checkbox"/> Improved Envelope Delay Distortion*	None
<input type="checkbox"/> Data Capability	\$ 5.26
<input type="checkbox"/> Telephoto Capability	\$ 8.94
<input type="checkbox"/> Sealing Current	None
(3) Improved Return Loss For Effective Two-Wire or Four-Wire Transmission Per Termination	
<input type="checkbox"/> Two-Wire	\$13.24
<input type="checkbox"/> Four-Wire	\$13.24
(4) Customer Specified Receive Level Per Two-Wire Termination	\$ 8.73

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.4 Voice Grade Service (cont.)Monthly
Rate

(C) Optional Features and Functions (cont.)

(5) Multiplexing Per Arrangement Voice to Telegraph Grade	\$224.31
(6) Signaling Capability Per Termination	\$ 13.39
(7) Selective Signaling Arrangement Per Arrangement	\$ 6.45
(8) Transfer Arrangement (key activated* or dial up**)	
<input type="checkbox"/> Per four port arrangement including control channel termination***	\$ 3.10
<input type="checkbox"/> Per five port arrangement including control channel termination***	\$ 7.08
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per Arrangement	ICB

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

** The dial-up option requires the customer to purchase the Controller Arrangement from Section 13.3.4(A) of the NECA Tariff F.C.C. No. 5.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer-designated premises serving wire center.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Daily Rate*</u>	<u>Nonrecurring Charge</u>	
			<u>Monthly</u>	<u>Daily</u>
(A) Channel Termination Per Termination				
<input type="checkbox"/> 200 to 3500 Hz	\$35.99	\$3.62	\$149.00	\$149.00
<input type="checkbox"/> 100 to 5000 Hz	\$39.43	\$3.97	\$149.00	\$149.00
<input type="checkbox"/> 50 to 8000 Hz	\$39.43	\$3.97	\$149.00	\$149.00
<input type="checkbox"/> 50 to 15000 Hz	\$39.43	\$3.97	\$149.00	\$149.00

(B) Channel Mileage

(1) Channel Mileage Facility Per Mile

	<u>Monthly Rate</u>	<u>Daily Rate*</u>
<input type="checkbox"/> 200 to 3500 Hz	\$ 2.56	\$ 0.26
<input type="checkbox"/> 100 to 5000 Hz	\$ 5.12	\$ 0.52
<input type="checkbox"/> 50 to 8000 Hz	\$ 7.69	\$ 0.77
<input type="checkbox"/> 50 to 15000 Hz	\$ 10.25	\$ 1.03

(2) Channel Mileage Termination Per Termination

<input type="checkbox"/> 200 to 3500 Hz	\$ 25.73	\$ 2.59
<input type="checkbox"/> 100 to 5000 Hz	\$ 51.46	\$ 5.18
<input type="checkbox"/> 50 to 8000 Hz	\$ 77.18	\$ 7.77
<input type="checkbox"/> 50 to 15000 Hz	\$102.91	\$10.36

* Daily Rates will be topped and maximum rates derived as set forth in Section 7.2.2(B) of the NECA Tariff F.C.C. No. 5.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.5 Program Audio Service (cont.)

	<u>Monthly Rate</u>	<u>Daily Rate*</u>
(C) Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$19.80	\$1.98
(2) Gain Conditioning Per Service	\$12.79	\$1.28
(3) Stereo Per Service	\$21.97	\$2.20

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B) of the NECA Tariff F.C.C. No. 5.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA
Tariff F.C.C. No. 5.

		<u>Monthly Rate</u>	<u>Daily Rate*</u>	<u>Nonrecurring Charge</u>	
				<u>Monthly</u>	<u>Daily</u>
(A) Channel Termination Per Termination					
<input type="checkbox"/>	TV-1 or 2	\$365.93	\$202.70	\$289.58	\$289.58
<input type="checkbox"/>	4TV-5	\$356.95	\$197.73	\$289.58	\$289.58
<input type="checkbox"/>	6TV-5	\$379.26	\$210.09	\$289.58	\$289.58
<input type="checkbox"/>	TV-15	\$393.64	\$218.06	\$289.58	\$289.58
				<u>Monthly Rate</u>	<u>Daily Rate*</u>
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile					
<input type="checkbox"/>	All			\$335.05	\$185.60
(2) Channel Mileage Termination Per Termination					
<input type="checkbox"/>	All			\$356.94	\$197.73

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B) of the NECA
Tariff F.C.C. No. 5.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
<input type="checkbox"/> 2.4 kbps	\$66.50	\$177.00
<input type="checkbox"/> 4.8 kbps	\$66.50	\$177.00
<input type="checkbox"/> 9.6 kbps	\$66.50	\$177.00
<input type="checkbox"/> 19.2 kbps	\$66.50	\$177.00
<input type="checkbox"/> 56.0 kbps	\$66.50	\$177.00
<input type="checkbox"/> 64.0 kbps	\$66.50	\$177.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
<input type="checkbox"/> 2.4 kbps	\$ 2.56	
<input type="checkbox"/> 4.8 kbps	\$ 2.56	
<input type="checkbox"/> 9.6 kbps	\$ 2.56	
<input type="checkbox"/> 19.2 kbps	\$ 2.56	
<input type="checkbox"/> 56.0 kbps	\$ 5.12	
<input type="checkbox"/> 64.0 kbps	\$ 5.12	
(2) Channel Mileage Termination Per Termination		
<input type="checkbox"/> 2.4 kbps	\$25.73	
<input type="checkbox"/> 4.8 kbps	\$25.73	
<input type="checkbox"/> 9.6 kbps	\$25.73	
<input type="checkbox"/> 19.2 kbps	\$25.73	
<input type="checkbox"/> 56.0 kbps	\$51.46	
<input type="checkbox"/> 64.0 kbps	\$51.46	

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.7 Digital Data Service (cont.)Monthly
Rate

(C) Optional Features and Functions

(1) Bridging Per Port \$ 7.78

(2) Loop Transfer Arrangement Per Four Port
Arrangement* Key Activated** or Dial-Up*** \$ 6.16

(3) Public Packet Switching Network Interface Arrangement

 Per 9.6 kbps arrangement ICB Per 56.0 kbps arrangement ICB

(D) Channel Service Unit Per Termination****

 2.4 kbps \$ 30.79 4.8 kbps \$ 30.79 9.6 kbps \$ 30.79 56.0 kbps \$ 30.79

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

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

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4(A) of the NECA Tariff F.C.C. No. 5.

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

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
<input type="checkbox"/> DS1 1.544 Mbps	\$ 189.58	\$181.00
<input type="checkbox"/> DS1C 3.152 Mbps	ICB	ICB
<input type="checkbox"/> DS2 6.312 Mbps	ICB	ICB
<input type="checkbox"/> Capacity of 1 DS3 44.736 Mbps Interface	\$2,199.15	
<input type="checkbox"/> per DS3 Channel Installed		\$499.00
<input type="checkbox"/> Capacity of 3 DS3 44.736 Mbps Interface	\$1,682.34	
<input type="checkbox"/> per DS3 Channel Installed	\$1,308.49	\$499.00
<input type="checkbox"/> Capacity of 6 DS3 44.736 Mbps Interface	\$3,166.77	
<input type="checkbox"/> per DS3 Channel Installed	\$1,108.37	\$499.00
<input type="checkbox"/> Capacity of 12 DS3 44.736 Mbps Interface	\$5,146.00	
<input type="checkbox"/> per DS3 Channel Installed	\$1,000.61	\$499.00
<input type="checkbox"/> DS4 274.176 Mbps	ICB	ICB
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
<input type="checkbox"/> 64 kbps*	\$ 5.16	
<input type="checkbox"/> 1.544 Mbps	\$ 23.14	
<input type="checkbox"/> 3.152 Mbps	ICB	
<input type="checkbox"/> 6.312 Mbps	ICB	
<input type="checkbox"/> 44.736 Mbps	\$ 222.11	
<input type="checkbox"/> 274.176 Mbps	ICB	
(2) Channel Mileage Termination Per Termination		
<input type="checkbox"/> 64 kbps*	\$ 51.83	
<input type="checkbox"/> 1.544 Mbps	\$ 110.29	
<input type="checkbox"/> 3.152 Mbps	ICB	
<input type="checkbox"/> 6.312 Mbps	ICB	
<input type="checkbox"/> 44.736 Mbps	\$ 580.86	
<input type="checkbox"/> 274.176 Mbps	ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.8 High Capacity Service (cont.)

(C) Term Discounts	<u>Percentage</u>
DS1 and DS3 Services	
36 months	10%
60 months	20%
	<u>Monthly Rate</u>
(D) Optional Features and Functions	
(1) Multiplexing, Per Arrangement	
DS4 to DS1	ICB
DS3 to DS1	\$520.49
DS2 to DS1	ICB
DS1C to DS1	ICB
DS1 to Voice*	\$200.95
DS1 to DS0	\$242.39
DS0 to Substrates	
<input type="checkbox"/> Up to 20 2.4 kbps services	\$394.98
<input type="checkbox"/> Up to 10 4.8 kbps services	\$285.50
<input type="checkbox"/> Up to 5 9.6 kbps services	\$249.06

* A channel of this DS1 to the HUB can be used for Digital Data Service.

ACCESS SERVICE17. Rates and Charges (cont.)17.3 Special Access Service (cont.)17.3.8 High Capacity Service (cont.)Monthly
Rate

(D) Optional Features and Functions (cont.)

(2) Automatic Loop Transfer Per Arrangement* \$200.91

(3) Transfer Arrangement (key activated** or dial-up***)
Per Four Port Arrangement Including Control
Channel Termination**** \$170.77(E) Network Channel Terminating Equipment (NCTE)
Per Termination 1.544 Mbps \$ 88.85 Automatic Loop Transfer \$462.57

(F) Clear Channel Capability

 Per 1.544 Mbps transmission path ICB

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

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

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4(A) of the NECA Tariff F.C.C. No. 5.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer-designated premises serving wire center.

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

ACCESS SERVICE

17. Rates and Charges (cont.)

17.3 Special Access Service (cont.)

17.3.9 Individual Case Filings

(Reserved For Future Use)

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services17.4.1 Access OrderingNECA
Tariff No. 5
Section
Reference(A) Access Order ChargeCharge

Per order

\$82.00

5.4.1

(B) Service Date Change Charge

A Service Date Change Charge will apply, on a per order, per occurrence basis, for each service date changed. The Access Order Charge as specified in Section 17.4.1(A) preceding does not apply. The applicable charge is:

Service Date Change Charge, per order

\$35.00

5.4.3

(C) Design Change Charge

The Design Change Charge will apply, on a per order per occurrence basis, for each order requiring design change. The applicable charge is:

Design Change Charge, per order

\$35.00

5.4.3

(D) Miscellaneous Service Order Charge

Per Occurrence

\$35.00

5.4.2

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>NECA Tariff No. 5 Section Reference</u>
(A) Basic Time per engineer normally scheduled working hours	\$16.75	13.1
(B) Overtime per engineer outside of normally scheduled working hours	\$25.13	13.1
(C) Premium Time outside of scheduled work day, per engineer	\$33.50	13.1

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.3 Additional Labor

<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>NECA Tariff No. 5 Section Reference</u>
(A) Installation or Repair		
<input type="checkbox"/> Overtime, outside of normally scheduled working hours on scheduled work day, per technician	\$27.20*	13.2.1 & 13.2.2
<input type="checkbox"/> Premium Time, outside of scheduled work day, per technician	\$36.26*	13.2.1 & 13.2.2
(B) Stand by		
<input type="checkbox"/> Basic time, normally scheduled working hours, per technician	\$18.50	13.2.3
<input type="checkbox"/> Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$27.75*	13.2.3
<input type="checkbox"/> Premium Time, outside of scheduled work day, per technician	\$37.00*	13.2.3

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

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.3 Additional Labor (cont.)

<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>		
	<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>NECA Tariff No. 5 Section Reference</u>

(C) Testing and Maintenance with Other Companies, or Other Labor

<input type="checkbox"/> Basic Time per technician normally scheduled working hours	\$18.13	\$18.52	13.2.4 & 13.2.5
<input type="checkbox"/> Overtime per technician outside of normally scheduled working hours on a scheduled work day	\$27.20*	\$27.77*	13.2.4 & 13.2.5
<input type="checkbox"/> Premium Time per technician outside of scheduled work day	\$36.26*	\$37.03*	13.2.4 & 13.2.5

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

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>NECA Tariff No. 5 Section Reference</u>
Basic Time, Overtime,* and Premium Time*	See the rates for Additional Labor as set forth in Section 17.4.3(C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing Switched AccessTo Original Point of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

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

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.4 Miscellaneous Services (cont.)(C) Additional Manual Testing Switched AccessTo Original Point of SwitchingEach Half Hour
or FractionNECA
Tariff No. 5
Section
ReferenceAdditional TestsThereofGain-Slope, C-Notched
Noise and any other
agreed to tests, per
technicianSee the rates for
additional Labor as
set for in Section
17.4.3(C) preceding.

13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing Special AccessTesting PeriodsBasic Time,
Overtime,* and
Premium Time*See the rates for
Additional Labor as
set forth in Section
17.4.3(C) preceding.

13.3.1(B)(1)

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

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.4 Miscellaneous Services (cont.)(E) Additional Manual Testing Special Access

<u>Testing Periods</u>	Each Half Hour or Fraction Thereof	NECA Tariff No. 5 Section <u>Reference</u>
Basic Time, Overtime,* and Premium Time*	See the rates for Additional Labor as set forth in Section 17.4.3(C) preceding.	13.3.1(B)(2)

(F) Maintenance of ServiceMaintenance of Service Periods

Basic Time, Overtime,* and Premium Time*	See the rates for Additional Labor as set forth in Section 17.4.3(C) preceding.	13.3.2
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* A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)

		Nonrecurring Charge	NECA Tariff No. 5 Section Reference
17.4.4 <u>Miscellaneous Services</u> (cont.)			
(G)	<u>Telecommunications Service Priority</u>		
	Per Service Arranged	\$ 54.63	13.3.3
(H)	<u>Controller Arrangement</u>	Monthly Rate	
	Per Arrangement	\$100.00	13.3.4(A)
(I)	<u>Presubscription</u>	Nonrecurring Charge	
	Per Telephone Exchange Service Line or Trunk*	\$ 5.00	13.4
(J)	<u>Unauthorized PIC Change</u>		
	<input type="checkbox"/> Residence/Business Per Telephone Exchange Service Line or Trunk	\$ 35.65	13.6
	<input type="checkbox"/> Public and/or Semipublic Pay Telephone Per Telephone Exchange Service Line or Trunk	\$ 57.57	13.6

* This charge is generally billed to the end user who is the subscriber to the Exchange Service. In those instances where the IC both requests the presubscription changes, and requests the associated charge be billed to it, the Company will bill the IC. In the event an end user is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event an end user is incorrectly presubscribed due to misassignment on the part of the IC, and the IC is unable to document such an assignment, the Telephone Company will apply the charge to the IC responsible for the misassignment of the end user and assign the end user to an IC of the end user's choice.

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.5 Special Federal Government Access Services

(A) <u>Voice Grade Secure Communications</u>	Monthly Rates, Nonrecurring <u>and Termination Charges</u>
Type I, each T-3 Conditioning	ICB rates and charges apply
Additional Conditioning, Per Service Termination	ICB rates and charges apply
Type II, each G-1 Conditioning	ICB rates and charges apply
Type III, each G-2 Conditioning	ICB rates and charges apply
Additional Conditioning, Per Service Termination	ICB rates and charges apply
Type IV, each G-3 Conditioning	ICB rates and charges apply
Additional Conditioning, Per Service Termination	ICB rates and charges apply
(B) <u>Wideband Digital Special Access Service</u>	
<u>Wideband Secure Communications</u>	Monthly Rates, Nonrecurring <u>and Termination Charges</u>
Type I, each	ICB rates and charges apply
Type II, each	ICB rates and charges apply
Type III, each	ICB rates and charges apply

ACCESS SERVICE17. Rates and Charges (cont.)17.4 Other Services (cont.)17.4.6 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved For Future Use)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved For Future Use)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved For Future Use)

(D) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved For Future Use)

ACCESS SERVICE

17. Rates and Charges (cont.)

17.4 Other Services (cont.)

17.4.7 Specialized Service or Arrangements

Specialized Service or Arrangements are provided on an individual case basis.

ACCESS SERVICES17. Rates & Charges (cont.)17.5 Identification and Rating of Originating Toll VoIP-PSTN Traffic (T)

17.5.1 Scope

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 originating Toll VoIP-PSTN traffic that is required to be compensated at interstate access rates (unless the parties have agreed otherwise) as mandated by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 on November 18, 2011 (“FCC Order”). Specifically, this section establishes the method of separating Toll VoIP-PSTN Traffic from the customer’s traditional intrastate access traffic, so that such traffic can be billed in accordance with the FCC Order.

(T)

17.5.2 Rate of Originating Toll VoIP-PSTN Traffic (T)

The Toll VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to those rates filed in the Telephone Company’s applicable tariffed interstate switched access rates as specified in the NECA Tariff F.C.C. No. 5 Access Service Tariff, Section 17.

(T)

17.5.3 Calculation and Application of Percent-VoIP-Usage Factor

(a) The Telephone Company will determine the number of originating intrastate Toll VoIP-PSTN Traffic minutes of use (MOU) to which interstate rates will be applied under proceeding, by applying an originating Percent VoIP Usage (PVU) factor to the total intrastate access MOU originated by a Telephone Company end user and delivered to the customer.

(D)

(b)

(D)

ACCESS SERVICES

17. Rates & Charges (cont.)

17.5 Identification and Rating of Originating Toll VoIP-PSTN Traffic (cont.) (T)

17.5.3 Calculation and Application of Percent-VoIP Usage Factor (cont.)

- (c) The Telephone Company will determine the portion of dedicated facilities to which interstate rates will be applied under proceeding, by applying the customer's originating PVU factor to the intrastate portion of the dedicated facilities between the Telephone Company and the customer. (D)
(D/T)
- (d) The customer will calculate and furnish to the Telephone Company an originating PVU factor (along with the supporting documentation as specified in (C) (3) (g) below) representing the whole number percentage of the customer's total originating intrastate access MOU that the customer receives from the Telephone Company and that is terminated in IP format and that would be billed by the Telephone Company as intrastate originating access MOU at rates equal to interstate rates.
- (e) (D)
|
(D)
- (f) The customer shall not modify their reported PIU factor to account for VoIP-PSTN Traffic.
- (g) The customer provided originating PVU factor shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g. as reported on F.C.C. Form 477), traffic studies, actual call detail or other relevant and verifiable information. (T)
(D)

ACCESS SERVICES

17. Rates & Charges (cont.)
- 17.5 Identification and Rating of Originating Toll VoIP–PSTN Traffic (cont.) (T)
- 17.5.3 Calculation and Application of Percent-VoIP Usage Factor (cont.)
- (h) The customer shall retain the call detail, work papers, and information used to develop the PVU factors for a minimum of two years.
- (i) If the Customer does not furnish the Telephone Company with a PVU factor, the Telephone Company will utilize a PVU factor equal to zero.
- 17.5.4 PVU Factor - Originating (T)
- The customer may provide an originating PVU to the Telephone Company upon the effective date of this Tariff or with an initial order. Such originating PVU shall be implemented in the billing cycle following the receipt of the originating PVU. The customer may update the originating PVU factor quarterly using the method set forth in subsection (3)(d), proceeding. Any updated originating PVU factor shall be forwarded to the Telephone Company no later than 15 days after the first day of January, April, July and/or October of each year. The revised originating PVU factor shall be based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised originating PVU factor will serve as the basis for future billing, and will be effective on the bill date of each such month, and shall serve as the basis for subsequent monthly billing until superseded by new originating PVU factor. No prorating or back billing will be done based on the updated originating PVU factor. (T)
- 17.5.5 PVU Factor Verification (T)
- (a) Not more than four times in any year, the Telephone Company may request from the customer an overview of the process used to determine the originating PVU factor, the call detail records, description of the method for determining how the end user originates a call in IP format, and other information used to determine the customer's originating PVU factor furnished to the Telephone Company in order to validate the originating PVU factor supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Telephone Company's request. (T)

ACCESS SERVICES

17. Rates & Charges (cont.)

17.5 Identification and Rating of Originating Toll VoIP–PSTN Traffic (cont.)

(T)

17.5.5 PVU Factor Verification (cont.)

- (b) The Telephone Company may dispute a customer's PVU factor in writing based upon:
- A review of the requested data and information provided by the customer.
 - The Telephone Company's reasonable review of other market information, F.C.C. reports on VoIP lines, such as F.C.C. Form 477 or state level results based on the F.C.C. Local Competition Report or other relevant data.
 - A change in a reported PVU factor by more than five percentage points from the proceeding submitted factor.
- (c) If after review of the data and information, the customer and the Telephone Company establish a revised PVU factor, the Telephone Company may apply the revised PVU factor retroactively to the beginning of the quarter.
- (d) If the dispute is unresolved, the Telephone Company may initiate an audit. The Telephone Company shall limit audits of the customer's PVU factor(s) to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the customer. The customer shall respond to the audit request within 15 days of the request.
- In the event that the customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the customer's PVU factor(s), the Telephone Company will bill the usage for all contested periods using the most recent undisputed PVU factor(s) reported by the customer. The PVU factor(s) will remain in effect until the audit can be completed.

ACCESS SERVICES

17. Rates & Charges (cont.)

17.5 Identification and Rating of Originating Toll VoIP-PSTN Traffic (cont.)

17.5.5 PVU Factor Verification (cont.)

- During the audit, the most recent undisputed PVU factor(s) from the previous reporting period will be used by the Telephone Company.
- The Telephone Company will adjust the customer's PVU factor(s) based on the results of the audit and implement the revised PVU factor(s) in the next billing period or quarterly report date, whichever is Original. The revised PVU factor(s) will apply for the next two quarters before new factor(s) can be submitted by the customer.
- If the audit supports the customer's PVU factor(s), the usage for the contested periods will be retroactively adjusted to reflect the customer's audited PVU factor(s).