
ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page No.</u>
<u>CHECK SHEETS</u>	1
<u>TABLE OF CONTENTS</u>	16
<u>CONCURRING CARRIERS</u>	44
<u>CONNECTING CARRIERS</u>	44
<u>OTHER PARTICIPATING CARRIERS</u>	44
<u>REGISTERED SERVICE MARKS</u>	44
<u>REGISTERED TRADEMARKS</u>	44
<u>EXPLANATION OF SYMBOLS</u>	45
<u>EXPLANATION OF ABBREVIATIONS</u>	45
<u>REFERENCE TO OTHER TARIFFS</u>	48
<u>REFERENCE TO OTHER PUBLICATIONS</u>	48

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
1. <u>APPLICATION OF TARIFF</u>	1-1
2. <u>GENERAL REGULATIONS</u>	2-1
2.1 <u>Undertaking of the Telephone Company</u>	2-1
2.1.1 Scope	2-1
2.1.2 Limitations	2-1
2.1.3 Liability	2-3
2.1.4 Provision of Services	2-5
2.1.5 Installation and Termination of Services	2-5
2.1.6 Maintenance of Services	2-5
2.1.7 Changes, Substitutions and Rearrangements	2-6
2.1.8 Refusal and Discontinuance of Service	2-7
2.1.9 Limitation of Use of Metallic Facilities	2-9
2.1.10 Notification of Service-Affecting Activities	2-9
2.1.11 Coordination with Respect to Network Contingencies	2-9
2.1.12 Provision and Ownership of Telephone Numbers	2-9
2.2 <u>Use</u>	2-10
2.2.1 Interference or Impairment	2-10
2.2.2 Unlawful Use	2-10
2.2.3 Commingling	2-10
2.3 <u>Obligations of the Customer</u>	2-11
2.3.1 Damages	2-11
2.3.2 Ownership of Facilities and Theft	2-11
2.3.3 Equipment Space and Power	2-11
2.3.4 Availability for Testing	2-12
2.3.5 Balance	2-12
2.3.6 Design of Customer Services	2-12
2.3.7 References to the Telephone Company	2-12
2.3.8 Claims and Demands for Damages	2-12
2.3.9 Coordination with Respect to Network Contingencies	2-13
2.3.10 Sectionalization and Trouble Reporting	2-13
2.3.11 Identification and Rating of VoIP-PSTN Traffic	2-13.1 (N)
2.4 <u>Payment Arrangements</u>	2-14
2.4.1 Payment of Rates, Charges and Deposits	2-14
2.4.2 Minimum Periods	2-21
2.4.3 Cancellation of an Order for Service	2-21
2.4.4 (Reserved for Future Use)	2-22

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
2.	<u>GENERAL REGULATIONS (Cont'd)</u>	
2.4	<u>Payment Arrangements (Cont'd)</u>	
2.4.5	Re-establishment of Service Following Fire, Flood or Other Occurrence	2-23
2.4.6	Title or Ownership Rights	2-24
2.4.7	Access Services Provided by More Than One Telephone Company	2-25
2.5	<u>Connections</u>	2-31
2.5.1	General	2-31
2.5.2	Standard Access Service Connections	2-31
2.5.3	Expanded Interconnection Service (EIS)-Fiber Optic	2-31
2.5.4	Expanded Interconnection Service (EIS)-Microwave	2-31
2.6	<u>Definitions</u>	2-32

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
2. <u>GENERAL REGULATIONS</u> (Cont'd)	
2.7 <u>Service Level Agreements</u>	2-64
2.7.1 Basic Service Level Agreements (Basic SLAs)	2-64
2.7.1.1 Credit Allowance for Service Interruption	2-65
2.7.1.2 Performance Commitment Program	2-74
2.7.2 Enhanced Service Level Agreements (Enhanced SLAs)	2-75
2.7.2.1 Integrated Optical Service Rider SLAs	2-76
2.7.2.2 (Reserved for Future Use)	2-79 (X)
2.7.2.3 2009 Enhanced SLA Plan for Qualifying Services	2-80
2.7.2.4 2010 Enhanced SLA Plan for Qualifying Services	2-136
2.7.3 National Service Level Agreements (National SLAs)	2-102
2.7.3.1 2009 National SLA Plan for Qualifying Services	2-103
2.7.3.2 2010 National SLA Plan for Qualifying Services	2-115
2.7.3.3 (Reserved for Future Use)	2-127 (X)
2.7.4 When a Credit Allowance Does Not Apply	2-128

(X) Under authority of Special Permission No. 10-XXXX, withdraws material filed under Transmittal No. 11 before it becomes effective and reinstates existing language.

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
3. <u>CARRIER COMMON LINE ACCESS SERVICE</u>	3-1
3.1 <u>General Description</u>	3-1
3.2 <u>Limitations</u>	3-2
3.2.1 Exclusions	3-2
3.2.2 Access Groups	3-2
3.2.3 Switched Access Interface Arrangements (WATS Access Lines)	3-2
3.3 <u>Determination of Usage Subject to Carrier Common Line Access Charges</u>	3-3
3.3.1 Determination of Jurisdiction	3-3
3.3.2 Case Involving Usage Recording By the Customer	3-3
3.3.3 Local Exchange Access and Enhanced Services Exemption	3-3
3.3.4 Common Channel Signaling System 7 (CCS7) Access Service	3-3
3.4 <u>Resold Services</u>	3-4
3.4.1 Scope	3-4
3.4.2 Customer Obligation Concerning Resale of MTS and MTS-type Services	3-5
3.4.3 Resale Documentation Provided by the Customer	3-5
3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services	3-6
3.5 <u>Presubscribed Interexchange Carrier Charge</u>	3-13
3.6 <u>Rate Regulations</u>	3-21
3.6.1 Billing and Charges	3-21
3.6.2 Measuring and Recording of Call Detail	3-21
3.6.3 Unmeasured FGA, FGB, BSA-A and BSA-B	3-22
3.6.4 Percent Interstate Use (PIU)	3-22
3.6.5 Determination of Premium and Non-Premium Charges	3-23
3.6.6 Tandem Switch Signaling	3-25

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
3.7 <u>Rates and Charges</u>	3-27
3.7.1 <u>Carrier Common Line Access Service</u>	3-27

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
4. <u>END USER ACCESS SERVICE</u>	4-1
4.1 <u>General Description</u>	4-1
4.2 <u>Limitations</u>	4-1
4.3 <u>Undertaking of the Telephone Company</u>	4-1
4.4 <u>Obligations of Radio Common Carriers</u>	4-1
4.5 <u>Payment Arrangements and Credit Allowances</u>	4-2
4.5.1 Minimum Period	4-2
4.5.2 Cancellation of Orders	4-2
4.5.3 Changes to Orders	4-2
4.5.4 Allowance for Interruptions	4-2
4.6 <u>Rate Regulations</u>	4-3
4.6.1 Who is Billed	4-3
4.6.2 Multiparty Service	4-3
4.6.3 Business Services	4-3
4.6.4 Radio Common Carriers	4-5
4.6.5 Remote Call Forwarding	4-5
4.6.6 Residence Services	4-6
4.7 <u>Rates and Charges</u>	4-8
4.7.1 End User Common Line Residence, Single Line Business, and Centrex CO and CO Like Dormitory Service	4-8
4.7.2 End User Common Line Integrated Services Digital Network	4-9
4.7.3 End User Common Line Multiline Business including Centrex CO and CO-Like Service	4-10

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
5. <u>ORDERING SWITCHED AND SPECIAL ACCESS SERVICE</u>	5-1
5.1 <u>Access Service Request Requirements</u>	5-1
5.1.1 General	5-1
5.1.2 Switched Access Ordering Requirements	5-2
5.1.3 Special Access Services	5-10
5.1.4 Switched Access Interface	5-11
5.1.5 Equal Access Conversions	5-12
5.1.6 Provision of Other Services	5-13
5.1.7 Access Order Service Date Intervals	5-13
5.1.8 Selection of Facilities for Access Order	5-14
5.1.9 Shared Use Facilities	5-14
5.1.10 Expanded Interconnection Services (EIS)	5-15
5.1.11 Verizon Dedicated SONET Ring (DSR)	5-15
5.1.12 Special Construction	5-15
5.2 <u>Access Services Provided by More Than One Telephone Company</u>	5-16
5.3 <u>Access Order Charges</u>	5-18
5.3.1 Access Service Request Modifications	5-18
5.3.2 Cancellation of an Access Service Request	5-22
5.3.3 Minimum Period Charges	5-27

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
6. <u>SWITCHED ACCESS SERVICE</u>	6-1
6.1 <u>General</u>	6-1
6.1.1 Service Arrangements	6-2
6.1.2 Technical Specifications	6-3
6.1.3 Optional Features	6-3
6.2 <u>Switched Access Service Arrangements</u>	6-4
6.2.1 Feature Group A	6-5
6.2.2 Feature Group B	6-11
6.2.3 Feature Group C	6-15
6.2.4 Feature Group D	6-20
6.2.5 Basic Serving Arrangement A (BSA-A)	6-25
6.2.6 Basic Serving Arrangement B (BSA-B)	6-31
6.2.7 Basic Serving Arrangement C (BSA-C)	6-35
6.2.8 Basic Serving Arrangement D (BSA-D)	6-40
6.2.9 Dedicated Network Access Link (DNAL)	6-45
6.2.10 Toll Free Access Service	6-46
6.2.11 900 Access Service	6-52
6.2.12 Common Channel Signaling System 7 Access Service	6-56
6.2.13 500 Access Service	6-62
6.2.14 Basic Service Elements (BSEs)	6-66

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
6. SWITCHED ACCESS SERVICE (Cont'd)	
6.3 <u>Optional Features</u>	6-76
6.3.1 Local Transport Optional Features	6-76
6.3.2 Common Switching Optional Features	6-77
6.3.3 Transport Termination Optional Features	6-103
6.4 <u>Provision of Switched Access Service</u>	6-106
(A) Network Management	6-106
(B) Design and Traffic Routing of Switched Access Service	6-106
(C) Access Tandem Arrangements	6-107
(D) Determination of Number of Transmission Paths and Terminations	6-108
(E) Transmission Specifications	6-108
(F) Design Layout Report	6-109
(G) Testing	6-109
(H) Trunk Group Measurement Reports	6-113
(I) Service Performance Data	6-113
(J) Equal Access Conversions	6-113
(K) Design Blocking Probability	6-114
6.5 <u>Rate Categories, Applications, and Regulations</u>	6-117
6.5.1 Rate Categories	6-117
6.5.2 Local Transport	6-118
6.5.3 End Office	6-131
6.5.4 Nonrecurring Charges	6-134
6.5.5 Determination of Access Minutes	6-141
6.5.6 Determination of Nonpremium and Premium Rates	6-156
6.5.7 Minimum Periods and Charges	6-159
6.5.8 Application of Rates for FGA and BSA-A Extension Service	6-160
6.5.9 Application of Rates for Extended FGA and BSA-A Terminating Service	6-161
6.5.10 Network Blocking Charge for FGD and BSA-D	6-162
6.5.11 Shared Use Facilities	6-163
6.5.12 CCS7 Access Service	6-163
6.5.13 Switched Access Cross Connect	6-164
6.5.14 Tandem Switch Signaling (TSS)	6-164
6.5.15 Basic Service Elements (BSEs)	6-166
6.5.16 Carrier Identification Parameter (CIP)	6-167

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
6.	<u>SWITCHED ACCESS SERVICE</u> (Cont'd)	
6.6	<u>Switched Access Rates and Charges</u>	6-168
6.6.1	California	6-168
6.6.2	Illinois	6-177
6.6.3	Indiana	6-186
6.6.4	(Reserved for Future Use)	6-195
6.6.5	(Reserved for Future Use)	6-196
6.6.6	North Carolina	6-197
6.6.7	(Reserved for Future Use)	6-206
6.6.8	(Reserved for Future Use)	6-207
6.6.9	(Reserved for Future Use)	6-208
6.6.10	(Reserved for Future Use)	6-209
6.6.11	Arizona - Western	6-210
6.6.12	Nevada	6-219
6.6.13	Washington	2-227
6.6.14	Switched Access Cross Connect	6-236
6.6.15	Carrier Identification Parameter (CIP)	6-237
6.6.16	CCS7 Access Service - Dedicated Switched Access	6-238
6.6.17	CCS7 Access Service - RSTP or STP Port Termination	6-240
6.6.18	CCS7 Access Service - SS7 Transport	6-241

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS SERVICE</u>	7-1
7.1 <u>Provision of Special Access Service</u>	7-1
7.1.1 Circuit Types	7-1
7.1.2 Service Configurations	7-3
7.1.3 Technical Specifications Packages	7-6
7.1.4 Channel Interfaces	7-8
7.1.5 Alternate Use	7-8
7.1.6 Special Facilities Routing	7-8
7.1.7 Design Layout Report	7-9
7.1.8 Acceptance Testing	7-9
7.1.9 Jurisdictional Determination	7-10
7.1.10 Interzone Service	7-11
7.2 <u>Rate Categories, Applications, and Regulations</u>	7-12
7.2.1 Rate Categories	7-12
7.2.2 Minimum Periods	7-39
7.2.3 Application of Daily and Monthly Rates	7-39
7.2.4 Facility Hubs and Multiplexing	7-40
7.2.5 Shared Use Analog and Digital High Capacity Services	7-42
7.2.6 DS3 High Capacity	7-43
7.2.7 (Reserved for Future Use)	7-49
7.3 <u>Metallic Service</u>	7-50
7.3.1 Basic Circuit Description	7-50
7.3.2 Technical Specifications Packages	7-50
7.3.3 Channel Interfaces	7-50
7.3.4 Optional Features and Functions	7-50
7.3.5 Rates and Charges	7-51
7.4 <u>Telegraph Grade Service</u>	7-54
7.4.1 Basic Service Description	7-54
7.4.2 Technical Specifications Packages	7-54
7.4.3 Channel Interfaces	7-54
7.4.4 Optional Features and Functions	7-54
7.4.5 Rates and Charges	7-55

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS SERVICE</u> (Cont'd)	
7.5 <u>Voice Grade Service</u>	7-59
7.5.1 Basic Circuit Description	7-59
7.5.2 Technical Specifications Packages	7-60
7.5.3 Channel Interfaces	7-61
7.5.4 Optional Features and Functions	7-61
7.5.5 Rates and Charges	7-67
7.6 <u>Program Audio Service</u>	7-74
7.6.1 Basic Circuit Description	7-74
7.6.2 Technical Specifications Packages	7-74
7.6.3 Channel Interfaces	7-75
7.6.4 Optional Features and Functions	7-75
7.6.5 Rates and Charges	7-76
7.7 <u>Video Digital Transport Service TV-1 Analog Service</u>	7-89 (T)
7.7.1 Basic Circuit Description	7-89
7.7.2 Technical Specifications Packages	7-89
7.7.3 Channel Interfaces	7-90
7.7.4 Rate Application	7-91
7.7.5 Rates and Charges	7-94
7.8 <u>Wideband Analog Service</u>	7-98
7.8.1 Basic Circuit Description	7-98
7.8.2 Technical Specifications Package	7-98
7.8.3 Channel Interfaces	7-99
7.8.4 Optional Features and Functions	7-99
7.8.5 Rates and Charges	7-101
7.9 <u>Wideband Data Service</u>	7-104
7.9.1 Basic Circuit Description	7-104
7.9.2 Technical Specifications Package	7-104
7.9.3 Channel Interfaces	7-104
7.9.4 Optional Features and Functions	7-105
7.9.5 Rates and Charges	7-106

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7.	<u>SPECIAL ACCESS SERVICE</u> (Cont'd)
7.10	<u>Digital Data Service</u> 7-111
7.10.1	Basic Circuit Description 7-111
7.10.2	Technical Specifications Packages 7-111
7.10.3	Channel Interfaces 7-112
7.10.4	Optional Features and Functions 7-112
7.10.5	Rates and Charges 7-113
7.11	<u>High Capacity Service</u> 7-118
7.11.1	Basic Circuit Description 7-118
7.11.2	Technical Specifications Packages 7-118
7.11.3	Channel Interfaces 7-119
7.11.4	Optional Features and Functions 7-119
7.11.5	Rates and Charges 7-123
7.12	<u>Individual Case Filing</u> 7-157
7.13	<u>High Voltage Protection</u> 7-164
7.13.1	Description 7-164
7.13.2	Provisioning 7-164
7.13.3	Claims and Demands for Damage 7-165
7.13.4	Network Outage 7-166
7.13.5	Compliance Statement 7-166
7.13.6	Rate Regulations 7-166
7.13.7	Rates and Charges 7-168
7.14	<u>LAN Extension Service</u> 7-168
7.14.1	General 7-168
7.14.2	Service Description 7-168
7.14.3	Technical Specifications Package 7-169
7.14.4	Responsibilities and Rights of the Telephone Company 7-169
7.14.5	Responsibilities of the Customer 7-170
7.14.6	Rate Regulations 7-170
7.14.7	Rates and Charges 7-173
7.15	<u>Bonded Digital Link Service</u> 7-169
7.15.1	Basic Circuit Description 7-169
7.15.2	Terms and Conditions 7-169
7.15.3	Rates and Charges 7-170
8.	<u>MISCELLANEOUS SERVICES</u> 8-1
8.1	<u>Additional Engineering</u> 8-1
8.1.1	Charges for Additional Engineering 8-2

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
8	<u>Miscellaneous Services</u> (cont'd)
8.2	<u>Additional Labor</u> 8-3
8.2.1	Overtime Installation 8-3
8.2.2	Overtime Repair 8-3
8.2.3	Stand By 8-3
8.2.4	Maintenance with other Telephone Companies 8-3
8.2.5	Other Labor 8-3
8.2.6	Charges for Additional Labor 8-4
8.3	<u>Maintenance of Service</u> 8-6
8.4	<u>Additional Testing</u> 8-7
8.5	<u>Presubscription</u> 8-10
8.5.1	End User/Agent Lists 8-22
8.5.2	End User/Agent Lists-Rates and Charges 8-25
8.6	<u>Billing Name and Address Services</u> 8-28
8.6.1	Per Call/Periodic BNA and Data Gathering Service 8-28
8.6.2	(Reserved for Future Use) 8-30
8.6.3	Rates and Charges 8-31
(A)	Per Call/Periodic BNA 8-31
(B)	Data Gathering Service 8-32
(C)	(Reserved for Future Use) 8-33
8.7	<u>Denial/Restoral Service</u> 8-34
8.8	<u>Telecommunications Service Priority</u> 8-35
8.8.1	General 8-35
8.8.2	Priority Installation 8-35
8.8.3	Priority Restoration 8-36
8.8.4	Rates and Charges 8-37
8.9	<u>International Blocking Service</u> 8-38
8.10	<u>Service Access Code 900 Blocking</u> 8-38

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
8. <u>Miscellaneous Services</u> (cont'd)	
8.11 <u>Selective Class of Call Screening (SCOCS)</u>	8-39
8.12 <u>Miscellaneous Equipment</u>	8-41
8.13 <u>Integrated Services Digital Network (ISDN) Line Port</u>	8-42
8.14 <u>Service Provider Number Portability</u>	8-44
8.15 <u>Payphone-Specific Coding Digits</u>	8-49
8.16 <u>Federal Universal Service Fund Surcharge</u>	8-50
8.17 <u>Incidental InterLATA Call Management Signaling Service</u>	8-54
8.17.1 General	8-54
8.17.2 Service Availability	8-54
8.17.3 Responsibility of the Customer	8-54
8.17.4 Rate Regulations	8-55
8.17.5 Rates and Charges	8-55
9. <u>INTERFACE GROUPS, TRANSMISSION SPECIFICATIONS and CHANNEL CODES</u>	9-1
9.1 <u>Local Transport Interface Groups</u>	9-1
9.1.1 Interface Group 1	9-2
9.1.2 Interface Group 2	9-3
9.1.3 Interface Group 3	9-3
9.1.4 Interface Group 4	9-4
9.1.5 Interface Group 5	9-4
9.1.6 Interface Group 6	9-5
9.1.7 Interface Group 7	9-5
9.1.8 Interface Group 8	9-6
9.1.9 Interface Group 9	9-6
9.1.10 Interface Group 10	9-7
9.1.11 Available Premises Interface Codes	9-7
9.2 <u>Transmission Specifications for Switched Access Service</u>	9-11
9.2.1 Standard Transmission Specifications	9-11
9.2.2 Data Transmission Parameters	9-18

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
9.3	<u>Channel Interface and Network Channel Codes</u>	9-23
9.3.1	Glossary of Channel Interface Codes and Options	9-23
9.3.2	Impedance	9-27
9.3.3	Digital Hierarchy Channel Interface Codes (4DS)	9-28
9.3.4	Service Designator/Network Channel Code Conversion Table	9-29
9.3.5	Compatible Channel Interfaces	9-31
10.	<u>SPECIAL FEDERAL GOVERNMENT ACCESS SERVICES</u>	10-1
10.1	<u>General</u>	10-1
10.2	<u>Emergency Conditions</u>	10-2
10.3	<u>Intervals to Provide Service</u>	10-3
10.4	<u>Safeguarding of Service</u>	10-3
10.4.1	Facility Availability	10-3
10.5	<u>Federal Government Regulations</u>	10-3
10.6	<u>Service Offerings to the Federal Government</u>	10-4
10.6.1	Type and Description	10-4
10.6.2	Mileage Application	10-13
10.6.3	Rates and Charges	10-13
11.	<u>SPECIAL FACILITIES ROUTING OF ACCESS SERVICES</u>	11-1
11.1	<u>Description of Special Facilities Routing of Access Services</u>	11-1
11.1.1	Diversity	11-1
11.1.2	Avoidance	11-1
11.1.3	Cable-Only Facilities	11-1

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
11.2	<u>Rates and Charges for Special Facilities Routing of Access Service</u>	11-2
11.2.1	Diversity	11-2
11.2.2	Avoidance	11-2
11.2.3	Diversity and Avoidance Combined	11-3
11.2.4	Cable-Only Facilities	11-3
12.	<u>SPECIALIZED SERVICE OR ARRANGEMENTS</u>	12-1
12.1	<u>General</u>	12-1
12.2	<u>Rates and Charges</u>	12-2
13.	<u>EXCEPTIONS TO ACCESS SERVICE OFFERINGS</u>	13-1
14.	<u>COIN SERVICES</u>	14-1
14.1	<u>General</u>	14-1
14.2	<u>Service Description</u>	14-1
14.3	<u>Service Provisioning</u>	14-2
14.4	<u>Collection and Remittance of Coin Station Monies</u>	14-3
14.5	<u>Provision of Message Call Detail Concerning Coin Station Monies</u>	14-3
14.6	<u>Payment of Coin Sent-Paid Monies</u>	14-4
14.6.1	Bill Period Coin Revenue	14-4
14.6.2	Total Customer Coin Revenue	14-4
14.6.3	Recourse Adjustments	14-5
14.6.4	Payment of Net Customer Coin Revenue	14-5
14.6.5	Audit Provisions	14-6
15.	<u>CENTRALIZED EQUAL ACCESS SERVING WIRE CENTER</u>	15-1
15.1	<u>General</u>	15-1
15.2	<u>State - Serving Wire Center - Interconnection Point</u>	15-1

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
16. OPERATOR SERVICES	16-1
16.1 <u>General Description</u>	16-1
16.1.1 Operator Transfer Service	16-1
16.1.2 Inward Operator Assistance	16-2
16.1.3 Undertaking of the Telephone Company	16-2
16.1.4 Obligations of the Customer	16-3
16.2 <u>RATE REGULATIONS</u>	16-4
16.2.1 Operator Transfer Service	16-4
16.2.2 Inward Operator Assistance Services	16-4
16.3 <u>RATES AND CHARGES</u>	16-5
16.3.1 Operator Transfer Rate	16-5
16.3.2 Inward Operator Assistance Rates	16-5

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
17. <u>EXPANDED INTERCONNECTION SERVICES</u>	17-1
17.1 <u>Service Description</u>	17-1
17.2 <u>Provision of EIS</u>	17-1
17.2.1 General	17-1
17.2.2 Responsibility of the Telephone Company	17-2
17.2.3 Rights of the Telephone Company	17-4
17.3 <u>Obligations of the Customer</u>	17-5
17.3.1 Responsibility of the Customer	17-5
17.3.2 Claims and Demands for Damage	17-9
17.3.3 Limitations	17-10
17.3.4 Mechanic's or Materialmen's Liens	17-10
17.3.5 Confidentiality	17-11
17.3.6 Network Outage, Damage and Reporting	17-11
17.4 <u>Discontinuance of Service</u>	17-13
17.4.1 General	17-13
17.5 <u>Ordering Options for EIS</u>	17-14
17.5.1 Physical EIS at Tariffed Locations	17-14
17.5.2 Virtual EIS	17-16
17.5.3 Microwave Services	17-17
17.5.4 Data Over Voice (DOV) Equipment	17-18
17.5.5 Other Technologies	17-18
17.5.6 Augmentations	17-18
17.6 <u>EIS Service Request</u>	17-20
17.6.1 Application Form for Physical EIS	17-20
17.6.2 Relocation Within the Same Wire Center or Access Tandem	17-25
17.6.3 Expansion of Existing Space	17-25

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
17.	<u>EXPANDED INTERCONNECTION SERVICES</u> (Cont'd)
17.7	<u>Physical EIS</u> 17-25
17.7.1	Availability of Service 17-25
17.7.2	Existing Suitable Space 17-26
17.7.3	Power, Environmental Conditioning and dc Power 17-27
17.7.4	Customer Terminating Equipment Requirements 17-28
17.7.5	Security Requirements for Customer Access to Telephone Company Buildings 17-31
17.7.6	Insurance & Liability Requirements 17-33
17.7.7	Shared Physical EIS Arrangement 17-35
17.8	<u>Virtual EIS</u> 17-37
17.8.1	Availability of Service 17-37
17.8.2	Obligations of the Customer 17-39
17.8.3	Operation and Maintenance 17-42
17.8.4	Customer Terminating Equipment Requirements 17-43
17.9	<u>Rate Regulations</u> 17-45
	5
17.9.1	
17.9.2	Types of Rates and Charges 17-45
	Minimum Periods 17-53
17.10	<u>EIS Rates and Charges</u> 17-54
17.10.1	
17.10.2	Cable Space and Cable Pull 17-54
	dc Power 17-55
17.11	<u>EIS Exempt Wire Centers and Access Tandems</u> 17-56
17.12	<u>Virtual EIS Rates and Charges</u> 17-57
17.12.1	Equipment Rates and Charges 17-57

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
17.	<u>EXPANDED INTERCONNECTION SERVICES</u> (Cont'd)
17.13	<u>Physical EIS Rates and Charges</u> 17-59
17.13.1	Engineering Fee 17-59
17.13.2	Overhead Superstructure 17-61
17.13.3	Cage Enclosure 17-61
17.13.4	Partition Space 17-62
17.13.5	Bits Timing Charge 17-63
17.13.6	Cable Material – Per Cable Run 17-64
17.13.7	Minor Augment Fee 17-70
17.13.8	Access Card Charge 17-71
17.13.9	Environmental Conditioning 17-72
17.13.10	Building Modification 17-73
17.14	<u>Expanded Interconnection Service Alternatives</u> 17-74
17.14.1	Competitive Alternate Transport Terminal (CATT) Arrangement 17-74

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
18. <u>ADVANCED COMMUNICATIONS NETWORKS</u>	18-1
(A) <u>General</u>	18-1
(B) <u>Generic Name</u>	18-1
(C) <u>Service Rearrangements</u>	18-1
(D) <u>Moves</u>	18-2
18.1 <u>Packet Switching Network Service *</u>	18-4
(A) <u>Service Description</u>	18-4
(B) <u>Service Provisioning</u>	18-4
(C) <u>Rate Regulations</u>	18-5
(1) Minimum Period	18-5
(2) Rate Application	18-5
(D) <u>Supplemental Features</u>	18-6
(1) Fast Select	18-6
(2) Priority	18-6
(E) (Reserved for Future Use)	18-7

* Effective November 19, 2005, this service is no longer available to any customer who is not a customer as of November 19, 2005. Effective November 19, 2005, existing customers may not make additions, moves or changes to this service or submit any new orders for this service.

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
18.	<u>ADVANCED COMMUNICATIONS NETWORKS (Cont'd)</u>	
18.3	<u>TCP/IP Data Aggregation Service (Modem-Based Dial UP Network Access)</u>	18-8
(A)	Service Description	18-8
(B)	Obligations of the Telephone Company	18-9
(C)	Obligations of the Customer	18-10
(D)	Rate Regulations	18-11
(1)	Minimum Period	18-11
(2)	Rate Application	18-11
(3)	Term of Commitment	18-13
(4)	Commitment Levels	18-13

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
18.	<u>ADVANCED COMMUNICATIONS NETWORKS (Cont'd)</u>
18.3	<u>TCP/IP Data Aggregation Service (Modem-Based Dial UP Network Access) (Cont'd)</u>
(D)	Rate Regulations (Cont'd)
(5)	Changes to Commitment Level 18-14
(6)	Service Enrollment 18-14
(7)	Quarterly Review 18-14
(8)	Penalties for Failing to Obtain the First Six Month Commitment Level 18-14
(9)	Service Availability 18-15
(10)	Renewal Options 18-15
(11)	Termination With Liability 18-17
(12)	Termination Without Liability 18-17
(E)	Rates and Charges 18-21
(1)	Analog TCP/IP Access 4 Year Rate Plan 18-21
(2)	Analog TCP/IP Access 5 Year Rate Plan 18-23
(3)	Analog TCP/IP Access 6 Year Rate Plan 18-24
(4)	Analog TCP/IP Access 7 Year Rate Plan 18-27
(5)	ISDN TCP/IP Access 18-29

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
19. <u>Interconnection Between Collocated Spaces</u>	19-1
19.1 <u>Dedicated Transit Service</u>	19-1
19.2 <u>Optical Facility Terminations</u>	19-6
20. <u>Ethernet Private Line</u>	20-1
(A) General	20-1
(B) Service Description	20-2
(C) Conditions	20-2
(D) Application of Rates and Charges	20-4
(1) (a) Reserved for Future Use	20-4
(b) Reserved for Future Use	20-4
(c) Reserved for Future Use	20-4
(d) Reserved for Future Use	20-5
(e) Reserved for Future Use	20-5
(f) Reserved for Future Use	20-5
(g) Reserved for Future Use	20-6
(h) Express Connect	20-7
(i) Flex Express Connect	20-8
(j) Custom Connect	20-9
(2) Optical Network Transport	20-17
(a) Reserved for Future Use	20-17
(b) Reserved for Future Use	20-17
(c) Reserved for Future Use	20-17
(d) Reserved for Future Use	20-17
(e) Reserved for Future Use	20-18
(f) Banded Optical Transport	20-18
(3) Reserved for Future Use	20-21

ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page No.</u>
20. <u>Optical Networking</u> Cont'd)	
(E) Reserved for Future Use	20-21
(F) Reserved for Future Use	20-21
(G) Rate Regulations	20-22
(1) Changes in Length of a TPP	20-22
(2) Renewal Options	20-23
(3) Conversion	20-24
(4) Rate Changes	20-24
(5) Termination Liability	20-24
(6) Termination Without Liability	20-24
(7) Upgrade to Higher Bandwidth	20-25
(H) Off-Net Wire Center	20-25
(I) Shared Use	20-25
(J) (Reserved for Future Use)	20-26
(K) Reserved for Future Use	20-27
(L) Rates and Charges	20-28
20.1 <u>Dedicated SONET Optical Transport Service (DSOTS)</u>	20-80
20.2 <u>Dedicated SONET Ring</u>	20-128
20.3 <u>Ethernet Private Line</u>	20-192
20.4 <u>Dedicated SONET Entrance Facilities (DSEF)</u>	20-215
21. <u>Operating Territories of the Frontier Telephone Companies</u>	21-1
(A) Operating Territory of Frontier Communications of the Southwest Inc.	21-2
(B) Operating Territory of Frontier North Inc.	21-5
(C) Operating Territory of Frontier Communications Northwest, Inc.	21-7
(D) Operating Territory of Frontier Communications of the Carolinas LLC	21-8

(C)

ACCESS SERVICE
TABLE OF CONTENTS

	<u>Page No.</u>
22. <u>Discount Plans</u>	(D) ----- (D)

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
23. <u>Tariffed Service Components</u>	23-1
23.1 <u>Integrated Optical Service Riders</u>	23-1
23.1.1 General	23-1
23.1.2 Deployment and Availability	23-1
23.1.3 Connection to Other Services	23-1
23.1.4 Responsibility of the Customer	23-2
23.1.5 Conversions	23-2
23.1.6 Application of Rates	23-2
23.1.7 Term Plans	23-2
23.1.8 Expiration of Commitment Period	23-2
23.1.9 Termination Liability	23-3
23.1.10 Minimum Period	23-3
23.1.11 Rates and Charges	23-4

ACCESS SERVICE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS REGISTERED TRADEMARKS

NONE

NONE

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	
ACNA	- Access Customer Name Abbreviation	
AML	- Actual Measured Loss	
ANI	- Automatic Number Identification	
AP	- Program Audio	
ARC	- Access Recovery Charge	(N)
ASR	- Access Service Request	
AT&T	- American Telephone and Telegraph Company	
ATM	- Asynchronous Transfer Mode (ATM) Network Service	
BAN	- Billing Account Number	
BD	- Business Day	
BHMC	- Busy Hour Minutes of Capacity	
BSA	- Basic Serving Arrangement	
BSE	- Basic Service Element	
CAC	- Carrier Access Code	
CAROT	- Centralized Automatic Reporting on Trunks	
CCS7	- Common Channel Signaling System 7	
CI	- Changes Interface	
CIC	- Carrier Identification Code	
CLO	- Control Link Oscillator	
CNM	- Customer Network Management	
CO	- Central Office	
COCTX	- Central Office Centrex	
Cont'd	- Continued	
CPE	- Customer Provided Equipment	
CSM	- Customer Service Management	
Ctx	- Centrex	
dB	- decibel	
dBmC	- Decibel Reference Noise C-Message Weighting	
dBmCO	- 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	
DSAL	- Dedicated Switched Access Line	
DSAT	- Dedicated Switched Access Transport	
DTM	- Direct TLI Monitoring Optional Feature	
DWDM	- Dense Wave Division Multiplexing	
EDD	- Envelope Delay Distortion	
ELEPL	- Equal Level Echo Path Loss	
EML	- Expected Measured Loss	
EPL	- Echo Path Loss	
ERL	- Echo Return Loss	
ESCON	- Enterprise Systems Connection	
ESS	- Electronic Switching System	
ESSX	- Electronic Switching System Exchange	
F	- frequency	

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

FICON	- Fiber Connection
FID	- Field Identifier
FCC	- Federal Communications Commission
FNPA	- Foreign Numbering Plan Area
FX	- Foreign Exchange
HC	- High Capacity
Hz	- Hertz
IC	- Interexchange Carrier
ICB	- Individual Case Basis
ICL	- Inserted Connection Loss
DSOTS	- Digital SONET Optical Transport Service
ISC	- InterSystem Channel
Kbps	- Kilobits per second
KHZ	- Kilohertz
LATA	- Local Access and Transport Area
Ma	- Milliamperes
Mbps	- Megabits per second
MF	- Multifrequency
MHz	- Megahertz
MMUC	- Minimum Monthly Usage Charge
MRC	- Monthly Recurring Charge
MT	- Metallic
MTS	- Message Telecommunications Service(s)
NPA	- Numbering Plan Area
NG-ADM	- Next Generation – Add/Drop Multiplexing
NMM	- Network Management Methods
NRC	- Nonrecurring Charge
NTS	- Non-Traffic Sensitive
NXX	- Three-Digit Central Office Code
OCN	- Optical Carrier Rate
OTPL	- Zero Transmission Level Point
PBX	- Private Branch Exchange
PCM	- Pulse Code Modulation
PLP	- Private Line Ringdown
POT	- Point of Terminations
Rms	- root-mean-square
RPON	- Related Purchase Order Number
RSM	- Remote Switching Modules
RSS	- Remote Switching Systems
SASG	- Special Access Service Guarantee
SCP	- Service Control Point
SLA	- Service Level Agreement
SONET	- Synchronous Optical Network
SPNP	- Service Provider Number Portability
SRL	- Singing Return Loss
SS7	- Signaling System 7
SSN	- Switched Service Network
SSP	- Service Switching Point
STP	- Signaling Transfer Point
STS1-N	- Synchronous Transport Signal 1 Rate
SWC	- Serving Wire Center

(D)

ACCESS SERVICE**EXPLANATION OF ABBREVIATIONS** (Cont'd)

TES	- Telephone Exchange Service(s)
TLP	- Transmission Level Point
TSP	- Telecommunications Service Priority
TSPS	- Traffic Service Position System
TV	- Television
USOC	- Uniform Service Order Code
VG	- Voice Grade
V & H	- Vertical & Horizontal
WA	- Wideband Analog
WATS	- Wide Area Telecommunications Service(s)
WD	- Wideband Data

ACCESS SERVICE

REFERENCE TO OTHER TARIFFS

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

The following tariff is referenced in this tariff and may be obtained from the National Exchange Carrier Association, 80 South Jefferson Road, Whippany, NJ 07981-1009, 800-228-8597, or in electronic format on the internet at www.neca.org.

National Exchange Carrier Association, Inc. (NECA)
Tariff F.C.C. No. 4

REFERENCE TO OTHER PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies, Customer Service, One Telcordia Drive, RRC 1B-180, Piscataway, NJ 08854-4156, (866)672-6997, or on the Internet at www.telcordia.com.

Compatibility Bulletin 106, Issue 2

Issued: January 1998

Technical Reference:

GR-54-CORE, Issue 1

Issued: December 1995

GR-63-CORE, Issue 3

Issued: March 2006

GR-253-CORE, Issue 4

Issued: December 2005

GR-320-CORE, Issue 1

Issued: August 2003

GR-334-CORE, Issue 1

Issued: July 1994

GR-337-CORE, Issue 1

Issued: December 1995

GR-338-CORE, Issue 1

Issued: December 1995

GR-342-CORE, Issue 1

Issued: December 1995

GR-487-CORE, Issue 3

Issued: April 2009

GR-499-CORE, Issue 3

Issued: September 2004

GR-905-CORE, Issue 11

Issued: December 2008

ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)Technical Reference: (Cont'd)

GR-1089-CORE, Issue 4	Issued: June 2006
GR-1312-CORE, Issue 3	Issued: April 1999
GR-1374-CORE, Issue 1	Issued: December 1994
GR-1400-CORE, Issue 3	Issued: July 2006
GR-1YOD-CORE, Issue 1	Issued: January 1998
GR-2918-CORE, Issue 6	Issued: January 2003
GR-2979-CORE, Issue 5	Issued: March 2005
PUB 41004	Issued: October 1973
PUB 62310	Issued: September 1983
SR-3580, Issue 3	Issued: June 2007
ST-TEC-000053, Issue 1	Issued: August 1989
Telecommunications Transmission Engineering Volume 3 - Networks and Services (Chapters 6 and 7)	
TR-NPL-000336, Issue 1	Issued: October 1987
TR-NPL-000339	Issued: October 1987
TR-NPL-000340	Issued: October 1986
TR-NWT-000335, Issue 3	Issued: May 1993
TR-NWT-000341, Issue 2	Issued: February 1993

ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from Telcordia Routing Administration, 8 Corporate Place PYA 3N-141, Piscataway, NJ 08854-4156, 1(866) 672-4156.

Technical Reference:

The Local Exchange Routing Guide (LERG), Issued: April, 2007, and as issued from time to time

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol Street, N.E., Washington, DC 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications Systems (NCS) H 3-1-2
Issued: December 2000

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCS) M 3-1-1
Issued: May 2000

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., 80 S. Jefferson Road, Whippany, NJ 07981-1009 or on the Internet at www.neca.org.

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

The following publications are referenced in this tariff and may be obtained from the International Telecommunications Union (ITU), Place des Nations, CH-1211, Geneva 20, Switzerland or on the internet at www.itu.int.net.

ITU-T G.692
ITU-T G.959.1

Issued: October 1998, Amendment 1 January 2005
Issued: December 2003

ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS(Cont'd)

The following publications are referenced in this tariff and may be obtained from the American National Standards Institute (ANSI), 25 West 43rd Street, 4th Floor, New York, New York 10036, or on the Internet at www.ansi.org.

ANSI T1.102-1993 (R2005)	Issued: 2005
ANSI T1.102.01-1996 (R2001)	Issued: 2001
ANSI T1.105.01-2000 (R2005)	Issued: 2005
ANSI INCITS 148-1988 (R2004)	Issued: 2004
ANSI INCITS 166-1989 (R2005)	Issued: 2005
ANSI INCITS 296-1997 (R2007)	Issued: 2007
ANSI INCITS 303-1998 (R2003)	Issued: 2003

The following publications are referenced in this tariff and may be obtained from Institute of Electrical and Electronics Engineers, Inc., IEEE Standards Association, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, or in electronic format on the Internet at www.ieee.org.

IEEE 802.3-2005/Cor2/D2.0-2007	Issued: 2007
IEEE 802.3u-1995	Issued: 1995
IEEE 802.3z-1998	Issued: 1998
IEEE 802.3ae-2002	Issued: 2002

The following publication is referenced in this tariff and may be obtained from the COMM 2000, 1414 Brook Drive, Downers Grove, IL 60515 (888)-UL33503 or on the Internet at www.comm-2000.com.

UL 94, Edition 5	Issued: October 1996
------------------	----------------------

The following publications are referenced in this tariff and may be obtained from the Internet Engineering Task Force (IETF) at IETF Secretariat, c/o Association Management Solutions, LLC (AMS), 48377 Fremont Blvd., Suite 117, Fremont, California 94538, or on the Internet at www.ietf.org.

STD 0001: Internet Official Protocol Standards, J Postel, Editor, Issued: May 2008.

RFC 2138, Remote Authentication Dial-In User Service (RADIUS); C Rigney, A. Rubens, W. Simpson, S. Willens, Issued: April 1997.

The following publication is referenced in this tariff and may be obtained from the Frontier Carrier Services, 180 South Clinton Avenue, Rochester, NY 14646.

Technical Memorandum for Incidental InterLATA Call Management Signaling Service associated with the Verizon FCC Short Term Notice of Network Change dated March 2007. Issued: March 2007