

ACCESS SERVICE

CHECK SHEET

Title Page 1 and Pages 1 to 23-8 inclusive of this tariff, including Supplement No. 1, are effective as of the date shown. Original and revised pages, as named below are in effect on the date indicated.

<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>
Title 1	1st	21	Original	2-1	Original
		22	Original	2-2	Original
1	18th *	23	Original	2-3	Original
2	1st	24	Original	2-4	Original
3	6th	25	Original	2-5	Original
4	1st	26	Original	2-6	Original
5	7th	27	Original	2-7	Original
6	1st	28	Original	2-8	Original
7	10th *	29	Original	2-9	Original
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9	2nd	31	Original	2-11	Original
10	1st	32	1st	2-12	Original
11	1st	33	Original	2-13	Original
12	Original	34	Original	2-14	Original
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				2-26	Original
				2-27	1st
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				2-29.3	Original
				2-29.4	Original
				2-29.5	Original
				2-29.6	Original
				2-29.7	Original
				2-29.8	Original
				2-29.9	Original
				2-29.10	Original

*New or Revised Page

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ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
2-30	Original	2-60	Original	2-90	Original
2-31	Original	2-61	Original	2-91	Original
2-32	Original	2-62	Original	2-92	Original
2-33	Original	2-63	Original	2-93	Original
2-34	Original	2-64	Original		
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2-36	Original	2-66	Original	3-2	Original
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2-39	Original	2-69	Original	3-5	Original
2-40	Original	2-70	Original	3-6	Original
2-41	Original	2-71	Original	3-7	Original
2-42	Original	2-72	Original	3-8	Original
2-43	Original	2-73	Original	3-9	Original
2-44	Original	2-74	Original	3-10	Original
2-45	Original	2-75	Original	3-11	Original
2-46	1st *	2-76	Original	3-12	Original
2-47	1st *	2-77	Original	3-13	Original
2-48	Original	2-78	Original	3-14	Original
2-49	Original	2-79	Original	3-15	Original
2-50	Original	2-80	Original	3-16	Original
2-51	Original	2-81	Original		
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2-53	Original	2-83	Original		
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2-56	Original	2-86	Original		
2-57	Original	2-87	Original		
2-58	Original	2-88	Original		
2-59	Original	2-89	Original		

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>
4-1	Original	5-1	Original	6-1	Original
4-2	Original	5-2	Original	6-2	Original
4-3	Original	5-3	Original	6-3	Original
4-4	Original	5-4	Original	6-4	Original
4-5	Original	5-5	Original	6-5	Original
4-6	Original	5-6	Original	6-6	Original
4-7	Original	5-7	Original	6-7	Original
4-8	Original	5-8	Original	6-8	Original
4-9	4th *	5-9	Original	6-9	Original
4-10	5th *	5-10	Original	6-10	Original
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		5-17	Original	6-17	Original
		5-18	Original	6-18	Original
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		5-20	Original	6-20	Original
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		5-22	Original	6-22	Original
		5-23	Original	6-23	Original
		5-24	Original	6-24	Original
		5-25	Original	6-25	Original
				6-26	Original
				6-27	Original
				6-28	Original
				6-29	Original
				6-30	Original

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
6-31	Original	6-61	Original	6-91	Original
6-32	Original	6-62	Original	6-92	Original
6-33	Original	6-63	Original	6-93	Original
6-34	Original	6-64	Original	6-94	Original
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6-37	Original	6-67	Original	6-97	Original
6-38	Original	6-68	Original	6-98	1st *
6-39	Original	6-69	Original	6-99	Original
6-40	Original	6-70	Original	6-100	Original
6-41	Original	6-71	Original	6-101	Original
6-42	Original	6-72	Original	6-102	Original
6-43	Original	6-73	Original	6-103	Original
6-44	Original	6-74	Original	6-104	Original
6-45	Original	6-75	Original	6-105	Original
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6-53	Original	6-83	Original	6-113	Original
6-54	Original	6-84	Original	6-114	Original
6-55	Original	6-85	Original	6-115	Original
6-56	Original	6-86	Original	6-116	Original
6-57	Original	6-87	Original	6-117	Original
6-58	Original	6-88	Original	6-118	Original
6-59	Original	6-89	Original	6-119	Original
6-60	Original	6-90	Original	6-120	Original

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
6-121	Original	6-151	Original	7-1	Original
6-122	Original	6-152	Original	7-2	Original
6-123	Original	6-153	Original	7-3	Original
6-124	Original	6-154	Original	7-4	Original
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6-128	Original	6-158	Original	7-8	Original
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6-133	Original			7-13	Original
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6-136	Original			7-16	Original
6-137	Original			7-17	Original
6-138	1st			7-18	Original
6-139	4th *			7-19	Original
6-140	2nd			7-20	Original
6-141	Original			7-21	Original
6-142	Original			7-22	Original
6-143	Original			7-23	Original
6-144	Original			7-24	Original
6-145	Original			7-25	Original
6-146	2nd			7-26	Original
6-147	Original			7-27	Original
6-148	Original			7-28	Original
6-149	2nd			7-29	Original
6-150	4th *			7-30	1st

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
7-31	1st *	7-61	Original	7-91	Original
7-32	1st *	7-62	Original	7-92	Original
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7-57	Original	7-87	Original		
7-58	Original	7-88	1st *		
7-59	Original	7-89	1st *		
7-60	Original	7-90	Original		

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
8-1	Original	8-31	9th	9-21	Original
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8-8	Original	9-2	Original	9-28	Original
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8-10	Original	9-4	Original	9-30	Original
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8-20	Original	9-14	Original	13-3	Original
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8-22	Original	9-16	Original	13-5	Original
8-23	Original	9-17	Original	13-6	Original
8-24	Original	9-18	Original	13-7	Original
8-25	Original	9-19	Original	13-8	Original
8-26	Original	9-20	Original	13-9	Original
8-27	Original			13-10	Original
8-28	Original			13-11	Original
8-29	Original			13-12	Original
8-30	Original			13-13	Original

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
11-1	Original	17-11	Original	17-41	Original
11-2	Original	17-12	Original	17-42	Original
11-3	Original	17-13	Original	17-43	Original
		17-14	Original	17-44	Original
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12-2	Original	17-16	Original	17-46	Original
		17-17	Original	17-47	Original
13-1	Original	17-18	Original	17-48	Original
		17-19	Original	17-49	Original
14-1	Original	17-20	Original	17-50	Original
14-2	Original	17-21	Original	17-51	Original
14-3	Original	17-22	Original	17-52	Original
14-4	Original	17-23	Original	17-53	Original
		17-24	Original	17-54	Original
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17-8	Original	17-36	Original		
17-9	Original	17-37	Original		
17-10	Original	17-38	Original		
		17-39	Original		
		17-40	Original		

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
18-1	Original	19-1	Original	20-21	Original
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		20-19	Original	21-8	1st *
		20-20	Original	21-9	Original
				21-10	1st *

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
22-1	1st *	22-31	1st *	22-61	1st *
22-2	1st *	22-32	1st *	22-62	1st *
22-3	1st *	22-33	1st *	22-63	1st *
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22-29	1st *	22-58	1st *	22-89	1st *
22-30	1st *	22-59	1st *	22-90	1st *
		22-60	1st *		

*New or Revised Page

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>	<u>Page</u>	Number of Revision Except <u>As Indicated</u>
22-91	1st *	23-1	Original		
22-92	1st *	23-2	Original		
22-93	1st *	23-3	Original		
22-94	1st *	23-4	Original		
22-95	1st *	23-5	Original		
		23-6	Original		
		23-7	Original		
		23-8	Original		

*New or Revised Page

ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page No.</u>
ISSUING CARRIERS	Title 1
CHECKSHEET	1
TABLE OF CONTENTS	12
CONCURRING CARRIERS	34
CONNECTING CARRIERS	34
OTHER PARTICIPATING CARRIERS	34
REGISTERED SERVICE MARKS	34
REGISTERED TRADEMARKS	34
EXPLANATION OF SYMBOLS	34
EXPLANATION OF ABBREVIATIONS	35
REFERENCE TO OTHER TARIFFS	38
REFERENCE TO OTHER PUBLICATIONS	39

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	2-4
2.1.5 Installation and Termination of Services	2-4
2.1.6 Maintenance of Services	2-5
2.1.7 Changes, Substitutions and Rearrangements	2-5
2.1.8 Refusal and Discontinuance of Service	2-6
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	2-11
2.3 <u>Obligations of the Customer</u>	2-12
2.3.1 Damages	2-12
2.3.2 Ownership of Facilities and Theft	2-12
2.3.3 Equipment Space and Power	2-12
2.3.4 Availability for Testing	2-13
2.3.5 Balance	2-13
2.3.6 Design of Customer Services	2-13
2.3.7 References to the Telephone Company	2-13
2.3.8 Claims and Demands for Damages	2-14
2.3.9 Coordination with Respect to Network Contingencies	2-15
2.3.10 Sectionalization and Trouble Reporting	2-15
2.3.11 Voice Over Internet Protocol – Public Switched Telephone Network Traffic	2-15

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
2. <u>GENERAL REGULATIONS (Cont'd)</u>	
2.4 <u>Payment Arrangements</u>	2-16
2.4.1 Payment of Rates, Charges and Deposits	2-16
2.4.2 Minimum Periods	2-22
2.4.3 Cancellation of an Order for Service	2-22
2.4.4 Reserved for Future Use	2-22
2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence	2-23
2.4.6 Title or Ownership Rights	2-23
2.4.7 Access Services Provided by More Than One Telephone Company	2-24
2.5 <u>Connections</u>	2-30
2.5.1 General	2-30
2.5.2 Standard Access Service Connections	2-30
2.5.3 Expanded Interconnection Service (EIS)-Fiber Optic	2-30
2.5.4 Expanded Interconnection Service (EIS)-Microwave	2-30
2.6 <u>Definitions</u>	2-31
2.7 <u>Service Level Agreements</u>	2-56
2.7.1 Basic Service Level Agreements (Basic SLAs)	2-56
2.7.1.1 Credit Allowance for Service Interruption	2-57
2.7.1.2 Performance Commitment Program	2-68
2.7.2 Enhanced Service Level Agreements (Enhanced SLAs)	2-69
2.7.2.1 Integrated Optical Service Rider SLAs	2-70
2.7.3 National Service Level Agreements (National SLAs)	2-74
2.7.4 When a Credit Allowance Does Not Apply	2-75

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
2. <u>GENERAL REGULATIONS (Cont'd)</u>		
2.8 <u>Sale or Transfer of an Operating Telephone Company's Assets and/or Stock to an Unaffiliated Third Party</u>	2-79	
2.8.1 General	2-79	
2.8.2 Undertaking of the Telephone Company Following a Transfer	2-80	
2.9 <u>Technology Migration</u>	2-85	
2.9.1 Service Under a DS1 Term Payment Plan	2-86	
2.9.2 Service Under a DS3 Minimum Service Period	2-86	
2.9.3 Service Under a National Discount Plan	2-87	
2.9.4 Requirements For a Technology Migration	2-88	
2.10 <u>Initial Transfer of Assets from Predecessor Company</u>	2-95	(N)

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 (Reserved for Future Use)	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	3-4
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	3-5
3.5 <u>Presubscribed Interexchange Carrier Charge</u>	3-9
3.6 <u>Rate Regulations</u>	3-11
3.6.1 Billing and Charges	3-11
3.6.2 Measuring and Recording of Call Detail	3-11
3.6.3 Reserved for Future Use	3-11
3.6.4 Percent Interstate Use (PIU)	3-11
3.6.5 Determination of Charges	3-12
3.6.6 Tandem Switch Signaling	3-15
3.7 <u>Rates and Charges</u>	3-16
3.7.1 Carrier Common Line Access Service	3-16

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 Access Recovery Charge	4-3
4.6.3 Multiparty Service	4-3
4.6.4 Business Services	4-3
4.6.5 Radio Common Carriers	4-6
4.6.6 Remote Call Forwarding	4-6
4.6.7 Residence Services	4-7
4.7 <u>Rates and Charges</u>	4-9
4.7.1 End User Common Line Residence, Single Line Business, and Dormitory Service	4-9
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	4-9
4.7.4 Access Recovery Charge Residence, Single Line Business, and Dormitory Service	4-10
4.7.5 Access Recovery Charge Integrated Services Digital Network	4-10
4.7.6 Access Recovery Charge Multiline Business and Business Centrex	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	5-11
5.1.4 Switched Access Interface	5-11
5.1.5 Reserved for Future Use	5-12
5.1.6 Provision of Other Services	5-12
5.1.7 Access Order Service Date Intervals	5-13
5.1.8 Selection of Facilities for Access Order	5-13
5.1.9 Shared Use Facilities	5-14
5.1.10 Expanded Interconnection Services (EIS)	5-14
5.1.11 Reserved for Future Use	5-14
5.1.12 Special Construction	5-14
5.2 <u>Access Services Provided by More Than One Telephone Company</u>	5-15
5.3 <u>Access Order Charges</u>	5-17
5.3.1 Access Service Request Modifications	5-17
5.3.2 Cancellation of an Access Service Request	5-22
5.3.3 Minimum Period Charges	5-25

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	6-1
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	6-4
6.2.2 Feature Group B	6-10
6.2.3 Reserved for Future Use	6-12
6.2.4 Feature Group D	6-13
6.2.5 Basic Serving Arrangement A (BSA-A)	6-17
6.2.6 Basic Serving Arrangement B (BSA-B)	6-23
6.2.7 Reserved for Future Use	6-25
6.2.8 Basic Serving Arrangement D (BSA-D)	6-26
6.2.9 Dedicated Network Access Link (DNAL)	6-30
6.2.10 Toll Free Access Service	6-31
6.2.11 900 Access Service	6-36
6.2.12 Common Channel Signaling System 7 Access Service	6-38
6.2.13 500 Access Service	6-43
6.2.14 Basic Service Elements (BSEs)	6-46
6.3 <u>Optional Features</u>	6-57
6.3.1 Local Transport Optional Features	6-57
6.3.2 Common Switching Optional Features	6-58
6.3.3 Transport Termination Optional Features	6-81
6.4 <u>Provision of Switched Access Service</u>	6-82

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
6. <u>SWITCHED ACCESS SERVICE (Cont'd)</u>	
6.5 <u>Rate Categories, Applications, and Regulations</u>	6-92
6.5.1 Rate Categories	6-92
6.5.2 Local Transport	6-94
6.5.3 End Office	6-105
6.5.4 Nonrecurring Charges	6-107
6.5.5 Determination of Access Minutes	6-112
6.5.6 Determination of Rates	6-124
6.5.7 Minimum Periods and Charges	6-125
6.5.8 Application of Rates for FGA and BSA-A Extension Service	6-125
6.5.9 Application of Rates for Extended FGA and BSA-A Terminating Service	6-126
6.5.10 Network Blocking Charge for FGD and BSA-D	6-127
6.5.11 Shared Use Facilities	6-128
6.5.12 CCS7 Access Service	6-129
6.5.13 Switched Access Cross Connect	6-130
6.5.14 Tandem Switch Signaling (TSS)	6-130
6.5.15 Basic Service Elements (BSEs)	6-132
6.5.16 Carrier Identification Parameter (CIP)	6-134
6.6 <u>Switched Access Rates and Charges</u>	6-135
6.6.1 California	6-135
6.6.2 Reserved for Future Use	6-145
6.6.3 Reserved for Future Use	6-145
6.6.4 Reserved for Future Use	6-145
6.6.5 Reserved for Future Use	6-145
6.6.6 Reserved for Future Use	6-145
6.6.7 Reserved for Future Use	6-145
6.6.8 Reserved for Future Use	6-145
6.6.9 Texas	6-146
6.6.10 Reserved for Future Use	6-156
6.6.11 Reserved for Future Use	6-156
6.6.12 Reserved for Future Use	6-156
6.6.13 Reserved for Future Use	6-156
6.6.14 Switched Access Cross Connect	6-156
6.6.15 Carrier Identification Parameter (CIP)	6-156
6.6.16 CCS7 Access Service - Dedicated Switched Access	6-157
6.6.17 CCS7 Access Service - RSTP or STP Port Termination	6-158
6.6.18 CCS7 Access Service - SS7 Transport	6-158

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	7-7
7.1.5 Alternate Use	7-7
7.1.6 Special Facilities Routing	7-7
7.1.7 Design Layout Report	7-8
7.1.8 Acceptance Testing	7-8
7.1.9 Jurisdictional Determination	7-9
7.1.10 Interzone Service	7-10
7.2 <u>Rate Categories, Applications, and Regulations</u>	7-11
7.2.1 Rate Categories	7-11
7.2.2 Minimum Periods	7-37
7.2.3 Application of Daily and Monthly Rates	7-37
7.2.4 Facility Hubs and Multiplexing	7-38
7.2.5 Shared Use Analog and Digital High Capacity Services	7-40
7.2.6 DS3 High Capacity	7-42
7.3 <u>Reserved for Future Use</u>	7-48
7.4 <u>Reserved for Future Use</u>	7-48

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS SERVICE (Cont'd)</u>	
7.5 Voice Grade Service	7-48
7.5.1 Basic Circuit Description	7-48
7.5.2 Technical Specifications Packages	7-49
7.5.3 Channel Interfaces	7-50
7.5.4 Optional Features and Functions	7-50
7.5.5 Rates and Charges	7-56
7.6 <u>Program Audio Service</u>	7-61
7.6.1 Basic Circuit Description	7-61
7.6.2 Technical Specifications Packages	7-61
7.6.3 Channel Interfaces	7-62
7.6.4 Optional Features and Functions	7-62
7.6.5 Rates and Charges	7-63
7.7 <u>TV-1 Analog Service</u>	7-67
7.7.1 Basic Circuit Description	7-67
7.7.2 Technical Specifications Packages	7-67
7.7.3 Channel Interfaces	7-69
7.7.4 Rate Application	7-70
7.7.5 Rates and Charges	7-74
7.8 <u>Reserved for Future Use</u>	7-75
7.9 <u>Reserved for Future Use</u>	7-75
7.10 <u>Digital Data Service</u>	7-76
7.10.1 Basic Circuit Description	7-76
7.10.2 Technical Specifications Packages	7-76
7.10.3 Channel Interfaces	7-77
7.10.4 Optional Features and Functions	7-77
7.10.5 Rates and Charges	7-78

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS SERVICE (Cont'd)</u>	
7.11 <u>High Capacity Service</u>	7-80
7.11.1 Basic Circuit Description	7-80
7.11.2 Technical Specifications Packages	7-80
7.11.3 Channel Interfaces	7-81
7.11.4 Optional Features and Functions	7-81
7.11.5 Rates and Charges	7-86
7.12 <u>Individual Case Filing</u>	7-98
7.13 <u>High Voltage Protection</u>	7-102
7.13.1 Description	7-102
7.13.2 Provisioning	7-102
7.13.3 Claims and Demands for Damage	7-104
7.13.4 Network Outage	7-104
7.13.5 Compliance Statement	7-105
7.13.6 Rate Regulations	7-105
7.13.7 Rates and Charges	7-106
7.14 <u>Reserved for Future Use</u>	7-106
7.15 <u>Bonded Digital Link Service</u>	7-107
7.15.1 Basic Circuit Description	7-107
7.15.2 Terms and Conditions	7-108
7.15.3 Rates and Charges	7-109

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
8. <u>MISCELLANEOUS SERVICES</u>	8-1
8.1 <u>Additional Engineering</u>	8-1
8.1.1 Charges for Additional Engineering	8-2
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>	8-5
8.4 <u>Additional Testing</u>	8-6
8.5 <u>Presubscription</u>	8-9
8.5.1 End User/Agent Lists	8-16
8.5.2 End User/Agent Lists-Rates and Charges	8-17
8.6 <u>Billing Name and Address Services</u>	8-18
8.6.1 Per Call/Periodic BNA and Data Gathering Service	8-18
8.6.2 Reserved for Future Use	8-19
8.6.3 Rates and Charges	8-20
8.7 <u>Denial/Restoral Service</u>	8-21
8.8 <u>Telecommunications Service Priority</u>	8-22
8.8.1 General	8-22
8.8.2 Priority Installation	8-22
8.8.3 Priority Restoration	8-23
8.8.4 Rates and Charges	8-24

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
8. <u>MISCELLANEOUS SERVICES (Cont'd)</u>	
8.9 <u>International Blocking Service</u>	8-25
8.10 <u>Service Access Code 900 Blocking</u>	8-25
8.11 <u>Selective Class of Call Screening (SCOCS)</u>	8-26
8.12 <u>Miscellaneous Equipment</u>	8-27
8.13 <u>Integrated Services Digital Network (ISDN) Line Port</u>	8-27
8.14 <u>Service Provider Number Portability</u>	8-28
8.15 <u>Payphone-Specific Coding Digits</u>	8-30
8.16 <u>Federal Universal Service Fund Surcharge</u>	8-31
8.17 <u>Incidental InterLATA Call Management Signaling Service</u>	8-33
8.17.1 General	8-33
8.17.2 Service Availability	8-33
8.17.3 Responsibility of the Customer	8-34
8.17.4 Rate Regulations	8-35
8.17.5 Rates and Charges	8-35

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
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 (USOC TPP1X)	9-2
9.1.2 Interface Group 2 (USOC TPP2X)	9-2
9.1.3 Reserved for Future Use	9-2
9.1.4 Reserved for Future Use	9-2
9.1.5 Reserved for Future Use	9-2
9.1.6 Interface Group 6 (USOC TPP6X)	9-3
9.1.7 Reserved for Future Use	9-3
9.1.8 Interface Group 8 (USOC TPP8X)	9-3
9.1.9 Interface Group 9 (USOC TPP9X)	9-4
9.1.10 Interface Group 10 (USOC TPPAX)	9-4
9.1.11 Available Premises Interface Codes	9-5
9.2 <u>Transmission Specifications for Switched Access Service</u>	9-7
9.2.1 Standard Transmission Specifications	9-7
9.2.2 Data Transmission Parameters	9-14
9.3 <u>Channel Interface and Network Channel Codes</u>	9-17
9.3.1 Glossary of Channel Interface Codes and Options	9-17
9.3.2 Impedance	9-21
9.3.3 Digital Hierarchy Channel Interface Codes (4DS)	9-22
9.3.4 Service Designator/Network Channel Code Conversion Table	9-23
9.3.5 Compatible Channel Interfaces	9-24

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
10. <u>SPECIAL FEDERAL GOVERNMENT ACCESS SERVICES</u>	10-1
10.1 <u>General</u>	10-1
10.2 <u>Emergency Conditions</u>	10-1
10.3 <u>Intervals to Provide Service</u>	10-2
10.4 <u>Safeguarding of Service</u>	10-2
10.4.1 Facility Availability	10-2
10.5 <u>Federal Government Regulations</u>	10-3
10.6 <u>Service Offerings to the Federal Government</u>	10-3
10.6.1 Type and Description	10-3
10.6.2 Mileage Application	10-10
10.6.3 Rates and Charges	10-10
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
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

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
12. <u>SPECIALIZED SERVICE OR ARRANGEMENTS</u>	12-1
12.1 <u>General</u>	12-1
12.2 <u>Rates and Charges</u>	12-1
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>	14-2
14.5 <u>Provision of Message Call Detail Concerning Coin Station Monies</u>	14-2
14.6 <u>Payment of Coin Sent-Paid Monies</u>	14-3
14.6.1 Bill Period Coin Revenue	14-3
14.6.2 Total Customer Coin Revenue	14-3
14.6.3 Recourse Adjustments	14-3
14.6.4 Payment of Net Customer Coin Revenue	14-4
14.6.5 Audit Provisions	14-4
15. <u>Reserved for Future Use</u>	15-1
16. <u>Reserved for Future Use</u>	15-1

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	17-4
17.2.3 Rights of the Telephone Company	17-5
17.3 <u>Obligations of the Customer</u>	17-6
17.3.1 Responsibility of the Customer	17-6
17.3.2 Claims and Demands for Damage	17-8
17.3.3 Limitations	17-9
17.3.4 Mechanic's or Materialmen's Liens	17-9
17.3.5 Confidentiality	17-10
17.3.6 Network Outage, Damage and Reporting	17-11
17.4 <u>Discontinuance of Service</u>	17-12
17.4.1 General	17-12
17.5 <u>Ordering Options for EIS</u>	17-13
17.5.1 Physical EIS at Tariffed Locations	17-13
17.5.2 Virtual EIS	17-14
17.5.3 Microwave Services	17-14
17.5.4 Data Over Voice (DOV) Equipment	17-15
17.5.5 Other Technologies	17-15
17.5.6 Augmentations	17-15
17.6 <u>EIS Service Request</u>	17-17
17.6.1 Application Form for Physical EIS	17-17
17.6.2 Relocation Within the Same Wire Center or Access Tandem	17-20
17.6.3 Expansion of Existing Space	17-20

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>	17-20
17.1.1 Availability of Service	17-20
17.1.2 Existing Suitable Space	17-21
17.1.3 Power, Environmental Conditioning and dc Power	17-22
17.1.4 Customer Terminating Equipment Requirements	17-23
17.1.5 Security Requirements for Customer Access to Telephone Company Buildings	17-26
17.1.6 Insurance & Liability Requirements	17-28
17.1.7 Shared Physical EIS Arrangement	17-31
17.8 <u>Virtual EIS</u>	17-33
17.8.1 Availability of Service	17-33
17.8.2 Obligations of the Customer	17-34
17.8.3 Operation and Maintenance	17-37
17.8.4 Customer Terminating Equipment Requirements	17-38
17.9 <u>Rate Regulations</u>	17-40
17.9.1 Types of Rates and Charges	17-40
17.9.2 Minimum Periods	17-46
17.10 <u>EIS Rates and Charges</u>	17-47
17.10.1 Cable Space and Cable Pull	17-47
17.10.2 dc Power	17-47
17.11 <u>EIS Exempt Wire Centers and Access Tandems</u>	17-48
17.12 <u>Virtual EIS Rates and Charges</u>	17-49
17.12.1 Equipment Rates and Charges	17-49

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
17. <u>EXPANDED INTERCONNECTION SERVICES (Cont'd)</u>	
17.13 <u>Physical EIS Rates and Charges</u>	17-50
17.3.1 Engineering Fee	17-50
17.13.2 Overhead Superstructure	17-50
17.13.3 Cage Enclosure	17-50
17.13.4 Partition Space	17-51
17.13.5 Bits Timing Charge	17-51
17.13.6 Cable Material – Per Cable Run	17-51
17.13.7 Minor Augment Fee	17-53
17.13.8 Access Card Charge	17-54
17.13.9 Environmental Conditioning	17-54
13.13.10 Building Modification	17-54
17.14 <u>Expanded Interconnection Service Alternatives</u>	17-55
17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement	17-55
18. <u>ADVANCED COMMUNICATIONS NETWORKS</u>	18-1
18.1(A) <u>General</u>	18-1
18.1(B) <u>Generic Name</u>	18-1
18.1(C) <u>Service Rearrangements</u>	18-1
18.1(D) <u>Moves</u>	18-2
18.2 <u>Reserved for Future Use</u>	18-3
18.3 <u>TCP/IP Data Aggregation Service</u>	18-4
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>	19-5

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
20. <u>OPTICAL NETWORKING</u>	20-1	
20(A) <u>General</u>	20-1	
20(B) <u>Service Description</u>	20-1	
20(C) <u>Conditions</u>	20-2	
20(D) <u>Application of Rates and Charges</u>	20-3	
20(E) <u>Reserved for Future Use</u>	20-8	
20(F) <u>Reserved for Future Use</u>	20-8	
20(G) <u>Rate Regulations</u>	20-9	
20(H) <u>Off-Net Wire Center</u>	20-12	
20(I) <u>Shared Use</u>	20-12	
20(J) <u>Reserved for Future Use</u>	20-12	
20(K) <u>Reserved for Future Use</u>	20-12	
20(L) <u>Rates and Charges</u>	20-13	
20.1 <u>Reserved for Future Use</u>	20-22	
20.2 <u>Reserved for Future Use</u>	20-22	
20.3 <u>Reserved for Future Use</u>	20-22	
20.4 <u>Dedicated SONET Entrance Facilities</u>	20-23	
21. <u>OPERATING TERRITORIES OF THE FRONTIER TELEPHONE COMPANIES</u>	21-1	
21.1 <u>General</u>	21-1	
21.2 <u>Operating Territory of Frontier California Inc.</u>	21-2	
21.3 <u>Operating Territory of Frontier Southwest Incorporated</u>	21-4	
21.4 <u>Competitive and Non-Competitive Counties for Special Access</u>	21-5	(N)
21.4.1 <u>General</u>	21.5	(N)
21.4.2 <u>Competitive and Non-Competitive County Lists</u>	21.5	(N)

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
22. <u>DISCOUNT PLANS</u>	22-1
22.1 <u>National Discount Plan</u>	22-1
22.1.1 General	22-1
22.1.2 Subscription	22-11
22.1.3 Qualifying Services	22-13
22.1.4 Commitment Levels and Discount Tiers	22-17
22.1.5 Application of Discount	22-26
22.1.6 Special Access DS3 Service Channel Mileage Rates	22-38
22.1.7 Annual True-Up	22-39
22.1.8 Minimum Period	22-68
22.1.9 Changes to Basic Service and/or Base Rates	22-68
22.1.10 Sale of a Telephone Company Operating Territory	22-69
22.1.11 Addition of an ACNA(s) to an Existing NDP	22-71
22.1.12 Removal of an ACNA(s) as a Result of a Customer Sale	22-85
22.1.13 Termination Liability	22-88
22.1.14 Renewal and Termination of NDP	22-90
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	23-2
23.1.4 Responsibility of the Customer	23-2
23.1.5 Conversions	23-3
23.1.6 Application of Rates	23-3
23.1.7 Term Plans	23-3
23.1.8 Expiration of Commitment Period	23-4
23.1.9 Termination Liability	23-5
23.1.10 Minimum Period	23-5
23.1.11 Rates and Charges	23-6
23.2 <u>Point To Point SONET Service Facilities</u>	23-7
23.2.1 General	23-7
23.2.2 Deployment and Availability	23-7
23.2.3 Connection to Other Services	23-7
23.2.4 Application of Rates	23-8
23.2.5 Term Plans	23-8
23.2.6 Minimum Period	23-8

ACCESS SERVICE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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

ACCESS SERVICE

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
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
dBrnC	- Decibel Reference Noise C-Message Weighting
dBrnC0	- Decibel Reference Noise C-Message Weighted 0
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

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

F	- frequency
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
ISC	- InterSystem Channel
Kbps	- Kilobits per second
KHz	- Kilohertz
LATA	- Local Access and Transport Area
Ma	- Milliampere
Mbps	- Megabits per second
MF	- Multifrequency
MHz	- Megahertz
MMUC	- Minimum Monthly Usage Charge
MRC	- Monthly Recurring Charge
MTS	- Message Telecommunications Service(s)
NDP	- National Discount Plan
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

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

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
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
WATS	- Wide Area Telecommunications Service(s)

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

ACCESS SERVICE

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

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	Issued: October 1998, Amendment 1 January 2005
ITU-T G.959.1	Issued: December 2003

ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street, NW, Suite 500, Washington, DC 20005 or on the Internet at www.atis.org.

Multiple Exchange Carrier Access Billing Guidelines (MECAB)
ATIS/OBF-MECAB 009, Issue 9 Issued: January 2007

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)
ATIS-0404120-0007, Issue 7 Issued: April 2009

The following publications are referenced in this tariff and may be obtained from IBM North America, 590 Madison Avenue, New York, NY 10022; 1-800-426-4968 or on the Internet at www.ibm.com/us. Note: ESCON® is a registered trademark of the International Business Machines (IBM) Corporation.

Enterprise Systems Architecture/390 ESCON I/O Interface, Physical Layer (Seventh Edition)

SA23-0394-06 Issued: July 2008

Coupling Facility Channel Physical Layer (Sixth Edition)

SA23-0395-05 Issued: July 2008

Planning Fiber Optic Channel Links (Twelfth Edition)

GA23-0367-12 Issued: July 2009

OS/390 Parallel Sysplex Configuration Volume 2: Cookbook

SG24-5638-00 Issued: August 2000

S/390 Time Management and IBM 9037 Sysplex Timer

SG24-2070-00 Issued: May 1999

The following publication is referenced in this tariff and may be obtained from the Society of Motion Picture and Television Engineers (SMPTE), 3 Barker Avenue, 5th Floor, White Plains, NY 10601, (914)761-1100, or on the Internet at www.smpte.org.

SMPTE 0259M-2008 Issued: 2008

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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 Frontier Carrier Services, 63 Stone Street, Rochester, NY 14604.

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