

## ACCESS SERVICE

## TABLE OF CONTENTS

|  | <u>Page No.</u> |
|--|-----------------|
| Check Sheets   | 1               |
| Table of Contents  | 23              |
| Concurring Carriers  | 43              |
| Connecting Carriers  | 43              |
| Other Participating Carriers                                 | 43              |
| Registered Service Marks    Registered Trademarks            | 43              |
| Explanation of Symbols                                       | 44              |
| Explanation of Abbreviations                                 | 44              |
| Reference to Other Tariffs                                   | 47              |
| Reference to Other Publications                              | 47              |
| <br>1. <u>APPLICATION OF TARIFF</u>                          | <br>1-1         |
| <br>2. <u>GENERAL REGULATIONS</u>                            | <br>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   | 2-2             |
| 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 and Substitutions                           | 2-5             |
| 2.1.8    Refusal and Discontinuance of Service               | 2-6             |
| 2.1.9    Limitation of Use of Metallic Facilities            | 2-8             |
| 2.1.10    Notification of Service-Affecting Activities       | 2-8             |
| 2.1.11    Coordination with Respect to Network Contingencies | 2-8             |
| 2.1.12    Provision and Ownership of Telephone Numbers       | 2-8             |

---

ACCESS SERVICE

---

TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |     |
|--|-----------------|-----|
| 2. <u>GENERAL REGULATIONS</u> (Cont'd)   |                 |     |
| 2.2 <u>Use</u>   | 2-9             |     |
| 2.2.1 Interference or Impairment   | 2-9             |     |
| 2.2.2 Unlawful Use   | 2-9             |     |
| 2.2.3 Commingling  | 2-9             |     |
| 2.3 <u>Obligations of the Customer</u>   | 2-10            |     |
| 2.3.1 Damages  | 2-10            |     |
| 2.3.2 Ownership of Facilities and Theft  | 2-10            |     |
| 2.3.3 Equipment Space and Power  | 2-10            |     |
| 2.3.4 Availability for Testing   | 2-11            |     |
| 2.3.5 Balance  | 2-11            |     |
| 2.3.6 Design of Customer Services  | 2-11            |     |
| 2.3.7 References to the Telephone Company  | 2-11            |     |
| 2.3.8 Claims and Demands for Damages   | 2-12            |     |
| 2.3.9 Coordination with Respect to Network Contingencies   | 2-12            |     |
| 2.3.10 Jurisdictional Report Requirements  | 2-13            |     |
| 2.3.11 Determination of Interstate Charges for Mixed<br>Interstate and Intrastate Switched Access Service  | 2-21            |     |
| 2.3.12 Determination of Jurisdiction of Mixed Use<br>Special Access Service  | 2-22            |     |
| 2.3.13 Identification and Rating of VoIP-PSTN Traffic  | 2-22.1          | (N) |
| 2.4 <u>Payment Arrangements</u>  | 2-23            |     |
| 2.4.1 Payment of Rates, Charges and Deposits   | 2-23            |     |
| 2.4.2 Minimum Periods  | 2-30            |     |
| 2.4.3 Cancellation of an Order for Service   | 2-31            |     |
| 2.4.4 Re-establishment of Service Following Fire, Flood<br>or Other Occurrence   | 2-31            |     |
| 2.4.5 Title or Ownership Rights  | 2-31            |     |
| 2.4.6 Ordering, Rating and Billing of Access Services<br>Where More Than One Exchange Telephone Company<br>Is Involved                                 | 2-32            |     |
| 2.4.7 Ordering, Rating and Billing of Switched Access<br>Service Provided in Conjunction with a Cellular<br>Exchange Carrier or a Radio Common Carrier | 2-38            |     |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 2. <u>GENERAL REGULATIONS</u> (Cont'd)   |                 |
| 2.5 <u>Connections</u>   | 2-38            |
| 2.5.1 General  | 2-38            |
| 2.6 <u>Definitions</u> 2-39  |                 |
| 2.7 <u>Service Level Agreements</u>  | 2-68            |
| 2.7.1 Basic Service Level Agreements (Basic SLAs)  | 2-68            |
| 2.7.2 Enhanced Service Level Agreements (Enhanced SLAs)  | 2-81            |
| 2.7.3 National Service Level Agreements (National SLAs)  | 2-96            |
| 2.7.4 When a Credit Allowance Does Not Apply   | 2-108           |
| 2.8 <u>Sale or Transfer of an Operating Telephone Company's Assets and/or Stock to an Unaffiliated Third Party</u> | 2-112           |
| 2.8.1 General  | 2-112           |
| 2.8.2 Undertaking of the Telephone Company Following a Transfer  | 2-113           |
| 2.9 <u>Initial Transfer of Assets from Predecessor Company</u>   | 2-119           |
| 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 WATS Access Lines  | 3-2             |
| 3.3 <u>Undertaking of the Telephone Company</u>  | 3-3             |
| 3.3.1 Provision of Service   | 3-3             |
| 3.3.2 Interstate and Intrastate Use  | 3-3             |
| 3.4 <u>Obligations of the Customer</u>   | 3-3             |
| 3.4.1 Switched Access Service Requirement  | 3-3             |
| 3.4.2 Supervision  | 3-3             |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 3. <u>CARRIER COMMON LINE ACCESS SERVICE</u> (Cont'd)  |                 |
| 3.5 <u>Determination of Usage Subject to Carrier Common Line Charges</u>   | 3-4             |
| 3.5.1 Determination of Jurisdiction  | 3-4             |
| 3.5.2 Switched Access Service Provided in Conjunction with a Cellular Exchange Carrier or a Radio Common Carrier | 3-4             |
| 3.5.3 Local Exchange Access and Enhanced Services Exemption  | 3-4             |
| 3.6 <u>Resold Services</u>   | 3-5             |
| 3.6.1 Scope  | 3-5             |
| 3.6.2 Customer Obligations Concerning the Resale of MTS and MTS-type Services                                    | 3-5             |
| 3.6.3 Resale Documentation Provided by the Customer  | 3-6             |
| 3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services  | 3-6             |
| 3.7 <u>Rate Regulations</u>  | 3-10            |
| 3.7.1 Billing of Charges   | 3-10            |
| 3.7.2 Measuring and Recording of Call Detail   | 3-11            |
| 3.7.3 Unmeasured Lineside BSA and Feature Group A  | 3-11            |
| 3.7.4 Percent Interstate Use   | 3-11            |
| 3.7.5 Determination of Premium and Non-Premium Charges   | 3-12            |
| 3.8 <u>Rates and Charges</u>   | 3-13            |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 4. <u>END USER ACCESS SERVICE AND PRESUBSCRIPTION</u>              | 4-1             |
| 4.1 <u>End User Access Service</u>                                 | 4-1             |
| 4.1.1 General Description  | 4-1             |
| 4.1.2 Limitations  | 4-1             |
| 4.1.3 Undertaking of the Telephone Company                         | 4-1             |
| 4.1.4 Obligations of the Customer                                  | 4-2             |
| 4.1.5 Payment Arrangements and Credit Allowances                   | 4-2             |
| 4.1.6 Rate Regulations   | 4-3             |
| 4.1.7 Rates and Charges  | 4-9             |
| 4.2 <u>Presubscription</u>   | 4-15            |
| 4.2.1 General  | 4-15            |
| 4.2.2 End User/Payphone Service Provider Choice Discrepancy        | 4-16            |
| 4.2.3 PIC Change Options   | 4-17            |
| 4.2.4 Presubscription Charge Application                           | 4-17            |
| 4.2.5 PIC NONE   | 4-20            |
| 4.2.6 1+ Coin Sent Paid Presubscription                            | 4-22            |
| 4.2.7 The charge for a change in Presubscription                   | 4-23            |
| 4.3 <u>Auto Transfer</u>   | 4-24            |
| 5. <u>ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE</u> | 5-1             |
| 5.1 <u>General</u>   | 5-1             |
| 5.1.1 Ordering Conditions  | 5-1             |
| 5.1.2 Provision of Other Services                                  | 5-2             |
| 5.1.3 Special Construction   | 5-2             |
| 5.2 <u>Access Order</u>  | 5-3             |
| 5.2.1 Access Order Service Date Intervals                          | 5-12            |
| 5.2.2 Access Order Modifications                                   | 5-14            |
| 5.2.3 Cancellation of an Access Order                              | 5-20            |
| 5.2.4 Selection of Facilities For Access Orders                    | 5-31            |
| 5.2.5 Minimum Period   | 5-31            |
| 5.2.6 Minimum Period Charges                                       | 5-32            |
| 5.2.7 Discontinuance of Access Service                             | 5-33            |
| 5.2.8 Shared Use Facilities  | 5-33            |

## 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 Switched Access Service Arrangements                                       | 6-1             |
| 6.1.2 Rate Categories  | 6-7             |
| 6.1.3 Special Facilities Routing   | 6-44            |
| 6.1.4 Design Layout Report   | 6-44            |
| 6.1.5 Acceptance Testing   | 6-44            |
| 6.1.6 Ordering Options and Conditions  | 6-44            |
| 6.2 <u>Provision and Description of Switched Access Service Arrangements</u>     | 6-45            |
| 6.2.1 Feature Group A (FGA)  | 6-46            |
| 6.2.2 Feature Group B (FGB)  | 6-50            |
| 6.2.3 Feature Group C (FGC)  | 6-55            |
| 6.2.4 Feature Group D (FGD)  | 6-59            |
| 6.2.5 Switched Transport Facilities  | 6-67            |
| 6.3 <u>Provision and Description of Switched Access BSAs</u>                     | 6-70            |
| 6.3.1 Lineside BSA   | 6-71            |
| 6.3.2 Trunkside BSA  | 6-76            |
| 6.3.3 Dedicated Network Access Link BSA  | 6-95            |
| 6.4 <u>Common Switching and Transport Termination Optional Features and BSEs</u> | 6-102           |
| 6.4.1 Common Switching Optional Features and BSEs Where Available                | 6-104           |
| 6.4.2 Transport Termination Optional Features                                    | 6-130           |
| 6.4.3 Switched Transport Optional Features                                       | 6-132           |
| 6.5 <u>Transmission Specifications</u>   | 6-139           |
| 6.5.1 Standard Transmission Specifications                                       | 6-140           |
| 6.5.2 Data Transmission Parameters   | 6-145           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 6. <u>SWITCHED ACCESS SERVICE</u> (Cont'd)                                |                 |
| 6.6 <u>Obligations of the Telephone Company</u>                           | 6-148           |
| 6.6.1 Network Management  | 6-148           |
| 6.6.2 Design and Traffic Routing of Switched Access Service               | 6-148           |
| 6.6.3 Provision of Service Performance Data                               | 6-149           |
| 6.6.4 Trunk Group Measurements Reports                                    | 6-149           |
| 6.6.5 Determination of Number of Transmission Paths                       | 6-149           |
| 6.6.6 Determination of Number of End Office Transport Terminations        | 6-149           |
| 6.6.7 Designed Blocking Probability                                       | 6-150           |
| 6.6.8 End User Line and Usage Information Data                            | 6-152           |
| 6.6.9 Bill Verification Data  | 6-153           |
| 6.6.10 Operator Transfer Service  | 6-153           |
| 6.7 <u>Obligations of the Customer</u>                                    | 6-153           |
| 6.7.1 Report Requirements   | 6-153           |
| 6.7.2 Supervisory Signaling   | 6-155           |
| 6.7.3 Trunk Group Measurements Reports                                    | 6-155           |
| 6.7.4 Design of Switched Access Services                                  | 6-155           |
| 6.8 <u>Rate Regulations</u>   | 6-156           |
| 6.8.1 Description and Application of Rates and Charges                    | 6-156           |
| 6.8.2 Minimum Periods   | 6-173           |
| 6.8.3 Reserved for Future Use   | 6-173           |
| 6.8.4 Minimum Monthly Charge  | 6-173           |
| 6.8.5 Change of Feature Group or BSA Type                                 | 6-174           |
| 6.8.6 Conversion of Existing Feature Groups to Basic Service Arrangements | 6-177           |
| 6.8.7 Moves   | 6-179           |
| 6.8.7 Moves   | 6-179           |
| 6.8.8 Measuring Access Minutes  | 6-179           |
| 6.8.9 Reserved  | 6-187           |
| 6.8.10 Application of Rates For Extension Service                         | 6-188           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 6. <u>SWITCHED ACCESS SERVICE</u> (Cont'd)                                      |                 |
| 6.8 <u>Rate Regulations</u> (Cont'd)  |                 |
| 6.8.11 Message Unit Credit  | 6-188           |
| 6.8.12 Local Information Delivery Services                                      | 6-188           |
| 6.8.13 Mileage Measurement  | 6-189           |
| 6.8.14 Facility Hubs  | 6-193           |
| 6.8.15 Shared Use   | 6-193           |
| 6.8.16 Reserved   | 6-193           |
| 6.8.17 Shared Use High Capacity Services  | 6-193           |
| 6.8.18 Host/Remote  | 6-195           |
| 6.8.19 Reserved   | 6-195           |
| 6.8.20 Shared Network Arrangement   | 6-195           |
| 6.8.21 Switched Access Signalling Service                                       | 6-196           |
| 6.8.22 Reserved   | 6-196           |
| 6.8.23 Reserved   | 6-196           |
| 6.8.24 Reserved   | 6-197           |
| 6.8.25 Dedicated SONET Services   | 6-197           |
| 6.8.26 Facilities Management Service  | 6-239           |
| 6.9 <u>Rates and Charges</u>  | 6-252           |
| 6.9.1 Switched Transport  | 6-252           |
| 6.9.2 End Office  | 6-277           |
| 6.9.3 Message Unit Credit   | 6-292           |
| 6.9.4 Equal Access Recovery Charge  | 6-292           |
| 6.9.5 Information Surcharge   | 6-292           |
| 6.9.6 Reserved  | 6-292           |
| 6.9.7 Switched 56 Kilobit Service   | 6-292           |
| 6.9.8 Operator Transfer Service   | 6-292           |
| 6.9.9 0+900 Access Service  | 6-292           |
| 6.9.10 Facilities Management Service  | 6-293           |
| 6.9.11 Reserved   | 6-306           |
| 6.9.12 Common Switching and Transport Termination<br>Optional Features and BSEs | 6-306           |



## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 7. <u>SPECIAL ACCESS SERVICE</u>               | 7-1             |
| 7.1 <u>General</u>                             | 7-1             |
| 7.1.1 Channel Types                            | 7-1             |
| 7.1.2 Rate Categories                          | 7-4             |
| 7.1.3 Service Configurations                   | 7-6             |
| 7.1.4 Alternate Use                            | 7-10            |
| 7.1.5 Special Facilities Routing               | 7-10            |
| 7.1.6 Design Layout Report                     | 7-10            |
| 7.1.7 Acceptance Testing                       | 7-10            |
| 7.1.8 Ordering Options and Conditions          | 7-11            |
| 7.1.9 Special Access Surcharge                 | 7-11            |
| 7.1.10 Connections With Other Network Services | 7-11            |
| 7.2 <u>Service Descriptions</u>                | 7-11            |
| 7.2.1 Metallic Service                         | 7-14            |
| 7.2.2 Telegraph Grade Service                  | 7-15            |
| 7.2.3 Voice Grade Service                      | 7-16            |
| 7.2.4 Program Audio Service                    | 7-26            |
| 7.2.5 Video Service                            | 7-28            |
| 7.2.6 Wideband Analog Service                  | 7-51            |
| 7.2.7 Wideband Data Service                    | 7-54            |
| 7.2.8 Digital Data Service                     | 7-56            |
| 7.2.8.1 Bonded Digital Link Service            | 7-59            |
| 7.2.9 High Capacity Service                    | 7-61            |
| 7.2.10 Lightwave Facilities                    | 7-69            |
| 7.2.11 LAN Extension Service                   | 7-70            |
| 7.2.12 Reconfigure Service                     | 7-77            |
| 7.2.13 Facilities Management Service           | 7-85            |
| 7.2.14 Dedicated SONET Services                | 7-99            |
| 7.2.15 Dedicated SONET Entrance Facilities     | 7-149           |
| 7.2.16 Ethernet Private Line                   | 7-159           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 7. <u>SPECIAL ACCESS SERVICE</u> (Cont'd)                         |                 |
| 7.3 <u>Channel Interface and Network Channel Codes</u>            | 7-171           |
| 7.3.1 Glossary of Channel Interface Codes and Options             | 7-171           |
| 7.3.2 Impedance   | 7-176           |
| 7.3.3 Digital Hierarchy Channel Interface Codes                   | 7-176           |
| 7.3.4 Service Designator/Network Channel Code<br>Conversion Table | 7-177           |
| 7.3.5 Compatible Channel Interfaces                               | 7-179           |
| 7.4 <u>Rate Regulations</u>                                       | 7-197           |
| 7.4.1 Types of Rates and Charges                                  | 7-197           |
| 7.4.2 Surcharge for Special Access Service                        | 7-207           |
| 7.4.3 Message Station Equipment Recovery Charge                   | 7-210           |
| 7.4.4 Minimum Periods   | 7-211           |
| 7.4.5 Moves   | 7-212           |
| 7.4.6 Mileage Measurement   | 7-213           |
| 7.4.7 Facility Hubs   | 7-214           |
| 7.4.8 Shared Use Analog and Digital High<br>Capacity Services     | 7-216           |
| 7.4.9 Reserved for Future Use                                     | 7-217           |
| 7.4.10 Special Access Rate Exceptions                             | 7-218           |
| 7.4.11 WATS Access Line Service                                   | 7-218           |
| 7.4.12 Voice Grade Rate Stability Plan                            | 7-219           |
| 7.4.13 DS3 High Capacity Services                                 | 7-221           |
| 7.4.14 Shared Network Arrangement                                 | 7-226           |
| 7.4.15 Lightwave Facilities                                       | 7-227           |
| 7.4.16 Video Service Arrangements                                 | 7-229           |
| 7.4.17 Digital Data and DS1 High Capacity Services                | 7-232           |
| 7.4.18 Voice Grade Service Term Pricing Plans                     | 7-242           |
| 7.4.19 Commitment Discount Plans                                  | 7-246           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 7. <u>SPECIAL ACCESS SERVICE</u> (Cont'd)            |                 |
| 7.5 <u>Rates and Charges</u>                         | 7-247           |
| 7.5.1 Metallic Service                               | 7-247           |
| 7.5.2 Telegraph Grade Service                        | 7-248           |
| 7.5.3 Voice Grade Service                            | 7-250           |
| 7.5.3.1 WATS Access Line Service                     | 7-260           |
| 7.5.4 Program Audio Service                          | 7-262           |
| 7.5.5 Video Service                                  | 7-264           |
| 7.5.6 Wideband Analog Service                        | 7-296           |
| 7.5.7 Wideband Data Service                          | 7-297           |
| 7.5.8 Digital Data Service                           | 7-299           |
| 7.5.8.1 Bonded Digital Link Service                  | 7-303           |
| 7.5.9 High Capacity Service                          | 7-304           |
| 7.5.9.1 Voice Grade Rate Stability Plan              | 7-338           |
| 7.5.10 Lightwave Facilities                          | 7-339           |
| 7.5.11 Non-Standard Premises (NSP) Connection Charge | 7-339           |
| 7.5.12 Reconfigure Service                           | 7-341           |
| 7.5.13 Message Station Equipment Recovery Charge     | 7-342           |
| 7.5.14 Special Access Surcharge                      | 7-342           |
| 7.5.15 4.8 Kbps DDS Rate Stability Plan              | 7-342           |
| 7.5.16 Term Pricing Plans (DDS & DS1)                | 7-343           |
| 7.5.17 56 Kbps DDS Rate Stability Plan               | 7-363           |
| 7.5.18 Facilities Management Service                 | 7-364           |
| 7.5.19 Reserved                                      | 7-378           |
| 7.5.20 Dedicated SONET Shared Dual Path              | 7-379           |
| 7.5.21 Dedicated SONET Entrance Facilities           | 7-383           |
| 7.5.22 Dedicated SONET Shared Assurance Network      | 7-452           |
| 7.5.23 LAN Extension Service                         | 7-460           |
| 7.5.24 Dedicated SONET Optical Transport Service     | 7-463           |
| 7.5.25 Ethernet Private Line                         | 7-586           |
| 7.6 <u>Individual Case Filings</u>                   | 7-636           |
| 8. <u>SONET Special Access Services</u>              | 8-1             |
| 8.1 <u>General</u>                                   | 8-1             |
| 8.2 Dedicated SONET Broadband Transport (DSBT)       | 8-5             |
| 8.3 Dedicated SONET shared Single Path (DSSSP)       | 8-59            |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 9. <u>DIRECTORY ASSISTANCE SERVICE</u>          | 9-1             |
| 9.1 <u>General Description</u>                  | 9-1             |
| 9.1.1 Service Description                       | 9-1             |
| 9.2 <u>Undertaking of the Telephone Company</u> | 9-2             |
| 9.3 <u>Obligations of the Customer</u>          | 9-6             |
| 9.4 <u>Payment Arrangements</u>                 | 9-7             |
| 9.5 <u>Rate Regulations</u>                     | 9-12            |
| 9.6 <u>Rates and Charges</u>                    | 9-13            |
| 10. <u>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>Facility Availability</u>               | 10-2            |
| 10.5 <u>Federal Government Regulations</u>      | 10-2            |
| 10.6 <u>Mileage Application</u>                 | 10-2            |
| 10.7 <u>Move Charges</u>                        | 10-2            |
| 10.8 <u>Security and Emergency Services</u>     | 10-3            |
| 10.8.1 Type and Description                     | 10-3            |
| 10.8.2 Rates and Charges                        | 10-9            |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 10. <u>FEDERAL GOVERNMENT ACCESS SERVICES</u> (Cont'd)  |                 |
| 10.9 <u>Specialized Services and Arrangements</u>   | 10-15           |
| 10.9.1 Reserved   | 10-15           |
| 10.9.2 Government Emergency Telecommunications-<br>Alternate Carrier Routing Service (GETS-ACR) | 10-15           |
| 10.9.3 Reserved   | 10-18           |
| 10.9.4 Reserved   | 10-18           |
| 10.9.5 Reserved   | 10-18           |
| 10.9.6 FAA Telecommunications Infrastructure (FTI)  | 10-19           |
| 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   | 11-2            |
| 11.2.4 Cable-Only Facilities  | 11-3            |
| 11.2.5 Individual Case Filings  | 11-3            |
| 12. <u>SPECIALIZED SERVICE OR ARRANGEMENTS</u>  | 12-1            |
| 12.1 <u>General</u>   | 12-1            |
| 12.2 <u>Move Charges</u>  | 12-1            |
| 12.3 <u>Rates and Charges</u>   | 12-2            |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 13. <u>ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES</u>  | 13-1            |
| 13.1 <u>Additional Engineering</u>  | 13-1            |
| 13.1.1 Charges for Additional Engineering   | 13-1            |
| 13.2 <u>Additional Labor</u>  | 13-2            |
| 13.2.1 Overtime Installation  | 13-2            |
| 13.2.2 Overtime Repair  | 13-2            |
| 13.2.3 Standby  | 13-2            |
| 13.2.4 Testing and Maintenance with Other Telephone Companies   | 13-3            |
| 13.2.5 Other Labor  | 13-3            |
| 13.2.6 Charges for Additional Labor   | 13-3            |
| 13.3 <u>Miscellaneous Services</u>  | 13-5            |
| 13.3.1 Reserved for Future Use  | 13-5            |
| 13.3.2 Reserved for Future Use  | 13-5            |
| 13.3.3 Standard Jacks - Registration Program  | 13-5            |
| 13.3.4 Testing Services   | 13-11           |
| 13.3.5 Protective Connecting Arrangements   | 13-25           |
| 13.3.6 Provision of Access Service Billing Information  | 13-29           |
| 13.3.7 Miscellaneous Equipment  | 13-32           |
| 13.3.8 Line Status Verification and Verification with Call Interruption   | 13-33           |
| 13.3.9 Originating Line Screening (OLS) Information   | 13-36           |
| 13.3.10 International Blocking  | 13-36           |
| 13.3.11 Billing Name and Address for Automatic Number Identification<br>for Listed and Non-Published/Non-Listed Customers | 13-37           |
| 13.3.12 900 Blocking Service  | 13-39           |
| 13.3.13 InterLATA Operator Services   | 13-40           |
| 13.3.14 ISP Traffic Origination Service   | 13-44           |
| 13.3.15 Optional Features for Payphone Access lines   | 13-45           |
| 13.3.16 Service Provider Number Portability   | 13-47           |
| 13.3.17 Long Distance Trouble Management Services (LDTMS)   | 13-53           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 14. <u>OPERATING TERRITORY OF THE FRONTIER TELEPHONE COMPANIES</u> | 14-1            |
| 14.1 <u>Rate Centers</u>   | 14-1            |
| 14.1.1 State of West Virginia                                      | 14-1            |
| 14.1.2 State of Virginia   | 14-2            |
| 14.2 <u>Rate Zones Wire Center Assignment</u>                      | 14-3            |
| 14.3 <u>Metropolitan Statistical Areas</u>                         | 14-7            |
| 15. <u>EXCEPTIONS TO ACCESS SERVICE OFFERINGS</u>                  | 15-1            |
| 16. <u>PACKET DATA SERVICES</u>                                    | 16-1            |
| 16.1 <u>Reserved for Future Use</u>                                | 16-1            |
| 16.2 <u>Reserved for Future Use</u>                                | 16-1            |
| 16.3 <u>Reserved for Future Use</u>                                | 16-1            |
| 16.4 <u>Reserved for Future Use</u>                                | 16-1            |
| 16.5 <u>IP (Internet Protocol) Routing Service</u>                 | 16-2            |
| 16.5.1 Service Description   | 16-2            |
| 16.5.2 Technical Specifications                                    | 16-3            |
| 16.5.3 Terms and Conditions  | 16-4            |
| 16.5.4 Rate Regulations  | 16-5            |
| 16.5.5 Rate Categories   | 16-8            |
| 16.5.6 Rates and Charges   | 16-9            |
| 16.6 <u>Reserved for Future Use</u>                                | 16-12           |
| 16.7 <u>Channel Extension Service</u>                              | 16-12           |
| 16.7.1 Service Description   | 16-12           |
| 16.7.2 Technical Specifications                                    | 16-13           |
| 16.7.3 Terms and Conditions  | 16-14           |
| 16.7.4 Rate Regulations  | 16-15           |
| 16.7.5 Rate Categories   | 16-16           |
| 16.7.6 Rates and Charges   | 16-17           |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 17. <u>RESERVED FOR FUTURE USE</u>                   | 17-1            |
| 18. <u>INTERCONNECTION BETWEEN COLLOCATED SPACES</u> | 18-1            |
| 18.1 <u>Dedicated Transit Service</u>                | 18-1            |
| 18.1.1 Description                                   | 18-1            |
| 18.1.2 Responsibility of the Collocator              | 18-1            |
| 18.1.3 Rate Regulations                              | 18-2            |
| 18.1.4 Rates and Charge                              | 18-2            |
| 19. <u>COLLOCATED INTERCONNECTION SERVICE</u>        | 19-1            |
| 19.1 <u>General</u>                                  | 19-1            |
| 19.2 <u>Service Description</u>                      | 19-3            |
| 19.2.1 Minimum Periods                               | 19-5            |
| 19.3 <u>Regulations</u>                              | 19-6            |
| 19.3.1 Design & Planning                             | 19-10           |
| 19.3.2 Acceptance and Turnover of Space(s)           | 19-14           |
| 19.3.3 Other Obligations of Collocators              | 19-16           |
| 19.3.4 Use of Space                                  | 19-18           |
| 19.3.5 Installation, Engineering and Maintenance     | 19-19           |
| 19.3.6 Rules of Conduct                              | 19-30           |
| 19.3.7 Liability and Damages                         | 19-30           |
| 19.3.8 Confidential Information                      | 19-34           |
| 19.3.9 Business Integrated Timing Supply             | 19-35           |
| 19.4 <u>Physically-Collocated Interconnection</u>    | 19-36           |
| 19.5 <u>Virtually-Collocated Interconnection</u>     | 19-42           |
| 19.6 <u>Rate Regulations</u>                         | 19-45           |



## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|   | <u>Page No.</u> |
|---|-----------------|
| 19. <u>COLLOCATED INTERCONNECTION SERVICE</u> (Cont'd)  |                 |
| 19.7 <u>Rates and Charges</u>   | 19-49           |
| 19.7.1 Virtual Collocation  | 19-49           |
| 19.7.2 Physical Collocation   | 19-50           |
| 19.7.3 Telephone Company-Designated Central Offices<br>for Physical, SCOPE, and Virtual Collocated<br>Interconnection | 19-51           |
| 19.7.4 Physical   | 19-52           |
| 19.7.5 Virtual  | 19-54           |
| 19.7.6 Training (Virtual Collocation Only)  | 19-55           |
| 19.7.7 Security, Escort, and Additional Labor Charges   | 19-56           |
| 19.8 <u>Reserved for Future Use</u>   | 19-57           |
| 19.9 <u>Negotiated Terms and Conditions</u>   | 19-57           |
| 19.9.1 Collocated Interconnection Construction Charges  | 19-57           |
| 19.9.2 Physical Collocation Construction Charges  | 19-57           |
| 19.10 <u>Collocated Interconnection Service Alternatives</u>  | 19-58           |
| 19.10.1 Secured Collocation Open Physical Environment (SCOPE)   | 19-58           |
| 19.10.2 Shared Physical Collocation Arrangements  | 19-68           |
| 19.10.3 Provision of Facilities Involving a Competitive<br>Alternate Transport Terminal                               | 19-70           |
| 19.10.4 Microwave Collocation   | 19-75           |
| 20. <u>INCIDENTAL INTERLATA SERVICE</u>   | 20-1            |
| 20.1 <u>Miscellaneous Services</u>  | 20-1            |
| 20.1.1 CCS - Gateway Access Service   | 20-1            |
| 20.1.2 Call Management Signaling Service  | 20-2            |

---

ACCESS SERVICE

---

## TABLE OF CONTENTS (Cont'd)

|                                 | <u>Page No.</u> |     |
|---------------------------------|-----------------|-----|
| 21. <u>CONTRACT TARIFFS</u>     | 21-1            |     |
| 21.1 General                    | 21-1            |     |
| 21.2 Contract Tariff Option 22  | 21-2            |     |
| 21.3 Contract Tariff Option 33  | 21-12           |     |
| 21.4 Contract Tariff Option 39  | 21-23           |     |
| 21.5 Contract Tariff Option 49  | 21-33           |     |
| 21.6 Contract Tariff Option 56  | 21-66           |     |
| 21.7 Contract Tariff Option 57  | 21-103          |     |
| 21.8 Contract Tariff Option 59  | 21-128          |     |
| 21.9 Contract Tariff Option 61  | 21-171          |     |
| 21.10 Contract Tariff Option 62 | 21-186          | (N) |
| 21.11 Contract Tariff Option 63 | 21-205          | (N) |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 22. ADVANCED COMMUNICATIONS NETWORKS           | 22-1            |
| 22.1 <u>TCP/IP Data Aggregation Service</u>    | 22-1            |
| 23. <u>DEDICATED RING AND OPTICAL SERVICES</u> | 23-1            |
| 23.1 <u>Dedicated SONET Ring</u>               | 23-1            |
| 24. <u>TARIFFED SERVICE COMPONENTS</u>         | 24-1            |
| 24.1 Integrated Optical Service Riders         | 24-1            |
| 24.1.1 General                                 | 24-1            |
| 24.1.2 Deployment and Availability             | 24-1            |
| 24.1.3 Connection to Other Services            | 24-1            |
| 24.1.4 Responsibility of the Customer          | 24-2            |
| 24.1.5 Conversions                             | 24-3            |
| 24.1.6 Application of Rates                    | 24-3            |
| 24.1.7 Term Plans                              | 24-3            |
| 24.1.8 Expiration of Commitment Period         | 24-3            |
| 24.1.9 Termination Liability                   | 24-4            |
| 24.1.10 Minimum Period                         | 24-4            |
| 24.1.11 Rates and Charges                      | 24-5            |

## ACCESS SERVICE

## TABLE OF CONTENTS (Cont'd)

|  | <u>Page No.</u> |
|--|-----------------|
| 25. <u>Discount Plans</u>                                    | 25-1            |
| 25.1 <u>Commitment Discount Plans</u>                        | 25-1            |
| 25.1.1 Availability of a Commitment Discount Plan            | 25-1            |
| 25.1.2 Establishment of a Commitment Discount Plan           | 25-3            |
| 25.1.3 Plan Commitment Levels                                | 25-8            |
| 25.1.4 Commitment Periods by Service Type                    | 25-21           |
| 25.1.5 Changes to the Discount Percentage                    | 25-22           |
| 25.1.6 Changes to the Base Rates/TPP Rates                   | 25-22           |
| 25.1.7 Application of the Discount Percentage or TPP Rates   | 25-23           |
| 25.1.8 Commitment Periods                                    | 25-27           |
| 25.1.9 Termination Liability                                 | 25-40           |
| 25.1.10 Minimum Period                                       | 25-44           |
| 25.2 <u>Service Discount Plan</u>                            | 25-45           |
| 25.2.1 General   | 25-45           |
| 25.2.2 Description   | 25-46           |
| 25.2.3 Termination Liability                                 | 25-47           |
| 25.2.4 Upgrades  | 25-49           |
| 25.2.5 Moves   | 25-49           |
| 25.2.6 Replacements  | 25-49           |
| 25.2.7 Changes   | 25-50           |
| 25.2.8 Cancellations   | 25-50           |
| 25.2.9 Additions of Service                                  | 25-51           |
| 25.2.10 Extension of Commitment Period                       | 25-52           |
| 25.2.11 Rate Regulations                                     | 25-52           |
| 25.3 <u>National Discount Plan</u>                           | 25-53           |
| 25.3.1 General   | 25-53           |
| 25.3.2 Subscription  | 25-60           |
| 25.3.3 Qualifying Services                                   | 25-62           |
| 25.3.4 Commitment Levels and Discount Tiers                  | 25-66           |
| 25.3.5 Application of Discount                               | 25-73           |
| 25.3.6 Special Access DS3 Channel Mileage Rates              | 25-85           |
| 25.3.7 Annual True-Up  | 25-85           |
| 25.3.8 Minimum Period  | 25-107          |
| 25.3.9 Changes to Basic Service and/or Base Rates            | 25-108          |
| 25.3.10 Sale of a Telephone Company Operating Territory      | 25-108          |
| 25.3.11 Addition of an ACNA(s) to an Existing NDP            | 25-110          |
| 25.3.12 Removal of an ACNA(s) as a Result of a Customer Sale | 25-119          |
| 25.3.13 Termination Liability                                | 25-122          |
| 25.3.14 Renewal and Termination of NDP                       | 25-123          |

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ACCESS SERVICE

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CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

All Exchange Telephone Companies that have Access Tariffs on file under Part 69 of the Federal Communications Rules and Regulations with which FRONTIER TELEPHONE COMPANIES jointly provide Switched and Special Access Service.

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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## ACCESS SERVICE

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### 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              |     |
| ANSI               | - | American National Standard Institute         |     |
| AP                 | - | Program Audio                                |     |
| ARC                | - | Access Recovery Charge                       | (N) |
| AT&T-C             | - | AT&T Communications                          |     |
| ATSC               | - | Advanced Television Systems Committee        |     |
| BAN                | - | Billing Account Number                       |     |
| BD                 | - | Business Day                                 |     |
| BHMC               | - | Busy Hour Minutes of Capacity                |     |
| BSA                | - | Basic Serving Arrangement                    |     |
| BSE                | - | Basic Service Element                        |     |
| BVS                | - | Billing Validation Service                   |     |
| CAROT              | - | Centralized Automatic Reporting on Trunks    |     |
| CCS                | - | Common Channel Signaling                     |     |
| CCSAS              | - | Common Channel Signaling Access Service      |     |
| CFA                | - | Connecting Facility Assignment               |     |
| CEC                | - | Cellular Exchange Carrier                    |     |
| CI                 | - | Channel Interface                            |     |
| CLO                | - | Control Link Oscillator                      |     |
| CN                 | - | Charge Number                                |     |
| CO                 | - | Central Office                               |     |
| COCTS              | - | Central Office Centrex                       |     |
| Cont'd             | - | Continued                                    |     |
| CPE                | - | Customer Provided Equipment                  |     |
| CSM                | - | Customer Service Management Optional Feature |     |
| CPN                | - | Calling Party Number                         |     |
| CSP                | - | Carrier Selection Parameter                  |     |
| Cts                | - | Centrex                                      |     |
| DA                 | - | Directory Assistance                         |     |
| dB                 | - | decibel                                      |     |
| dB <sub>rnC</sub>  | - | Decibel Reference Noise C-Message Weighting  |     |
| dB <sub>rnCO</sub> | - | Decibel Reference Noise C-Message Weighted 0 |     |
| dB <sub>v</sub>    | - | Decibel(s) Relative to 1 volt (Reference)    |     |
| dB <sub>v1</sub>   | - | Decibel(s) Relating to 1 volt (Reference)    |     |
| dc                 | - | direct current                               |     |
| DID                | - | Direct Inward Dialing                        |     |
| DNAL               | - | Dedicated Network Access Link                |     |

## ACCESS SERVICE

## EXPLANATION OF ABBREVIATIONS (Cont'd)

|        |   |  |
|--------|---|--|
| DSR    | - | Dedicated SONET Ring                   |
| DTM    | - | Direct TL1 Monitoring Optional Feature |
| DVTS   | - | Direct Video Transport Service         |
| 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                              |
| F.C.C. | - | Federal Communications Commission      |
| FICON  | - | Fibre CONnection                       |
| FID    | - | Field Identifier                       |
| FX     | - | Foreign Exchange                       |
| GigE   | - | Gigabit Ethernet                       |
| HC     | - | High Capacity                          |
| Hi-Def | - | High Definition                        |
| Hz     | - | Hertz                                  |
| IC     | - | Interstate Customer                    |
| ICB    | - | Individual Case Basis                  |
| ICL    | - | Inserted Connection Loss               |
| IOF    | - | Inter-Office Facility                  |
| IP     | - | Interconnection Point                  |
| kbps   | - | kilobits per second                    |
| kHz    | - | kilohertz                              |
| LAN    | - | Local Area Network                     |
| LATA   | - | Local Access and Transport Area        |
| LCC    | - | Line Cost Charge                       |
| LES    | - | LAN Extension Service                  |
| LIDB   | - | Line Information Data Base             |
| Ma     | - | milliamperes                           |
| Mbps   | - | Megabits per second                    |
| MHz    | - | Megahertz                              |
| MMUC   | - | Minimum Monthly Usage Charge           |
| MRC    | - | Monthly Recurring Charge               |
| MRCCs  | - | Maritime Radio Common Carriers         |
| MSA    | - | Metropolitan Statistical Area          |
| MT     | - | Metallic                               |
| MTS    | - | Message Telecommunications Service(s)  |
| MTSO   | - | Mobile Telephone Switching Office      |
| NDP    | - | National Discount Plan                 |
| N-MSA  | - | Non-qualifying MSA                     |
| NPA    | - | Numbering Plan Area                    |
| NRC    | - | Nonrecurring Charge                    |
| NSP    | - | Non-Standard Premises                  |
| NTS    | - | Non-Traffic Sensitive                  |
| NXX    | - | Three Digit Central Office Code        |

## ACCESS SERVICE

## EXPLANATION OF ABBREVIATIONS (Cont'd)

|       |   |  |
|-------|---|--|
| OBSC  | - | Out of Band Signaling Connection                   |
| OCF   | - | Optical Channel Facility                           |
| OCF-G | - | Optical Channel Facility - Gigabit                 |
| OHF   | - | Optical Hubbing Facility                           |
| OHI   | - | Optical Hubbing Interface                          |
| OHS   | - | Optical Hubbing Service                            |
| OTPL  | - | Zero Transmission Level Point                      |
| OTS   | - | Operator Transfer Service                          |
| PBX   | - | Private Branch Exchange                            |
| PCM   | - | Pulse Code Modulation                              |
| PI    | - | Priority Installation                              |
| PLR   | - | Private Line Ringdown                              |
| POT   | - | Point of Termination                               |
| PR    | - | Priority Restoration                               |
| RCCs  | - | Radio Common Carriers                              |
| rms   | - | root-mean-square                                   |
| RPON  | - | Related Purchase Order Number                      |
| RSM   | - | Remote Switching Modules                           |
| RSS   | - | Remote Switching Systems                           |
| SASG  | - | Special Access Service Guarantee                   |
| SCVS  | - | Serial Component Video Service                     |
| SLA   | - | Service Level Agreement                            |
| SLC   | - | Subscriber Line Charge                             |
| SMPTE | - | Society of Motion Picture and Television Engineers |
| SPOI  | - | Signaling Point of Interface                       |
| SRL   | - | Singing Return Loss                                |
| SS7   | - | Signaling System 7                                 |
| SSN   | - | Switched Service Network                           |
| STP   | - | Signal Transfer Point                              |
| SWC   | - | Serving Wire Center                                |
| S56   | - | Switched 56 Kilobit Service                        |
| TAS   | - | Tandem Access Sectorization                        |
| TASA  | - | Tandem Access Sectorization Area                   |
| TES   | - | Telephone Exchange Service(s)                      |
| TG    | - | Telegraph Grade                                    |
| TL1   | - | Transaction Language 1                             |
| TLP   | - | Transmission Level Point                           |
| TSPS  | - | Traffic Service Position System                    |
| TSP   | - | Telecommunications Service Priority                |
| TV    | - | Television   |
| TVOC  | - | Telephone Company Video Operation Center           |
| UPS   | - | Uninterrupted Power Supply                         |
| USOC  | - | Uniform Service Order Code                         |
| VG    | - | Voice Grade  |
| V & H | - | Vertical & Horizontal                              |
| WA    | - | Wideband Analog                                    |
| WATS  | - | Wide Area Telecommunications Service(s)            |
| WCN   | - | With Calling Name                                  |
| WD    | - | Wideband Data                                      |
| WOCN  | - | Without Calling Name                               |



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**ACCESS SERVICE**

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**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 or in electronic format on the Internet at [www.neca.org](http://www.neca.org).

National Exchange Carrier Association, Inc.  
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, One Telcordia Drive, RRC 1B-180, Piscataway, NJ 08854-4156, (866)672-6997 or on the Internet at [www.telcordia.com](http://www.telcordia.com).

**Technical Reference:**

|                       |                        |
|-----------------------|------------------------|
| FR-64-CORE, Issue 3   | Issued: April 2008     |
| GR-20-CORE, Issue 3   | Issued: May 2008       |
| 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-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-394-CORE, Issue 8  | Issued: November 2007  |
| GR-436-CORE, Issue 1  | Issued: June 1994      |
| GR-499-CORE, Issue 3  | Issued: September 2004 |
| GR-905-CORE, Issue 11 | Issued: December 2008  |
| GR-954-CORE, Issue 4  | Issued: August 2005    |
| GR-1060-CORE, Issue 1 | Issued: April 1994     |
| GR-1083-CORE, Issue 5 | Issued: September 2004 |
| GR-1110-CORE, Issue 4 | Issued: December 2000  |
| GR-1244-CORE, Issue 3 | Issued: May 2005       |
| GR-1248-CORE, Issue 4 | Issued: November 1998  |

## ACCESS SERVICE

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

|   |                        |
|---|------------------------|
| GR-1312-CORE, Issue 3                               | Issued: April 1999     |
| GR-1374-CORE, Issue 1                               | Issued: December 1994  |
| GR-2918-CORE, Issue 6                               | Issued: January 2003   |
| GR-2936-CORE, Issue 1                               | Issued: December 1997  |
| GR-2979-CORE, Issue 5                               | Issued: March 2005     |
| PUB 41004   | Issued: October 1973   |
| PUB 62310   | Issued: September 1983 |
| SR-3330, Issue 2                                    | Issued: April 1997     |
| SR-4274, Issue 1                                    | Issued: April 1997     |
| SR-INS-001532, Issue 1                              | Issued: July 1991      |
| Video Distribution Technology                       |                        |
| SR-NPL-001434, Issue 1                              | Issued: January 1990   |
| Cable TV Signal Distribution                        |                        |
| SR-NWT-001851, Issue 1                              | Issued: December 1990  |
| SR-STIS-000320                                      | Issued: August 1990    |
| SR-TAP-000191, Issue 2                              | Issued: December 1998  |
| ST-TEC-000053, Issue 1                              | Issued: August 1989    |
| Telecommunications Transmission Engineering         |                        |
| Volume 3 - Networks and Services (Chapters 6 and 7) |                        |
| TR-NPL-000157, Issue 1                              | Issued: April 1986     |
| TR-NPL-000336, Issue 1                              | Issued: October 1987   |
| TR-NPL-000339                                       | Issued: October 1987   |
| TR-NPL-000340                                       | Issued: October 1987   |
| TR-NWT-000335, Issue 3                              | Issued: May 1993       |
| TR-NWT-000341, Issue 2                              | Issued: February 1993  |
| TR-NWT-001112, Issue 1                              | Issued: June 1993      |
| TR-TSV-000772, Issue 1                              | Issued: May 1991       |
| TR-TSV-000773, Issue 1                              | Issued: June 1991      |
| TR-TSV-001239, Issue 1                              | Issued: December 1993  |
| TR-TSV-061370, Issue 1                              | Issued: May 1998       |
| TR-TSY-000366, Issue 2                              | Issued: March 1988     |

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ACCESS SERVICE

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publications are 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: August 1, 2009, and as issued from time to time

The following publication, referenced in this tariff, may be obtained from ATM Forum, 2570 West El Camino Real, Suite 304, Mountain View CA 94040 or on the Internet at [www.atmforum.com](http://www.atmforum.com).

ATM Forum, ATM User Network Interface Specifications, Version 3.0  
af-uni-0010.001  
Issued: September 1993

ATM Forum, ATM User Network Interface Specifications, Version 3.1  
af-uni-0010.002  
Issued: September 1994

ATM Forum, Interim Inter-switch Signaling Protocol, Version 1.0  
af-pnni-0026.000  
Issued: December 1994

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 St., N.E., Washington, D.C. 20401.

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

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

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ACCESS SERVICE

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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](http://www.neca.org).

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

The following publications, referenced in this tariff, 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](http://www.itu.int.net).

|   |  |
|---|--|
| ITU-T G.707/Y.1322  | Issued: January 2007                                       |
| ITU-T G.959.1   | Issued: December 2003                                      |
| ITU-T G.692   | Issued: October 1998 and Amendment<br>1 dated January 2005 |
| ITU-T H.320 series Standards for Audio Visual Communications over<br>Networks | Issued: March 2004   |
|   | Narrowband Digital   |

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ACCESS SERVICE

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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/obf](http://www.atis.org/obf).

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 publication, referenced in this tariff, may be obtained from National Fire Protection Association, 1 Battery March Park, Quincy, MA 02169-7471, or in electronic format on the Internet at [www.nfpa.org](http://www.nfpa.org).

National Electrical Code, NFPA 70 2008 Edition, Issued: August 2008

The following publication is referenced in this tariff and may be obtained from the United States Department of Labor, Publication Distribution, 200 Constitution Avenue, N.W., Washington, D.C. 20210 or on the Internet at [www.osha.gov](http://www.osha.gov).

Occupational Safety and Health Act, Issued: December 1970 and as amended through January 2004

The following publications are referenced in this tariff and may be obtained from Collocated Interconnection Major Project Team Coordinator:

- 1500 MacCorkle Avenue Rm 222, Charleston, WV 25396

|  |                       |
|--|-----------------------|
| Information Pub. IP 72202, Issue 3   | Issued: December 2008 |
| Information Pub. IP 72013, Issue 6   | Issued: April 2008    |
| Cable Splicing Handbook  | Issued: December 1991 |
| Cable Placing Handbook   | Issued: December 1991 |
| Cable Maintenance Handbook   | Issued: December 1991 |
| General Information Tools & Safety Manual                                  | Issued: December 1992 |
| Building Owners and Managers Association<br>International Standards (BOMA) | Issued: December 1992 |

## 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](http://www.ansi.org).

|                              |              |
|------------------------------|--------------|
| ANSI T1.101                  | Issued: 1994 |
| ANSI T1.102-1993 (R2005)     | Issued: 2005 |
| ANSI T1.102.01-1996 (R2001)  | Issued: 2001 |
| ANSI T1.105.01-2000 (R2005)  | Issued: 2005 |
| ANSI T1.107-2002 (R2006)     | Issued: 2006 |
| ANSI T1.403-1999 (R2007)     | Issued: 2007 |
| ANSI T1.404-2002 (R2006)     | Issued: 2006 |
| ANSI T1.606-1990             | Issued: 1990 |
| ANSI T1.606, Addendum 1      | Issued: 1991 |
| ANSI T1.606a-1992            | Issued: 1992 |
| ANSI T1.606b-1993            | Issued: 1993 |
| ATIS T1.617-1991             | Issued: 1992 |
| ANSI INCITS 139-1987 (R2002) | Issued: 2002 |
| ANSI INCITS 148-1988 (R2004) | Issued: 2004 |
| ANSI INCITS 166-1989 (R2005) | Issued: 2005 |
| ANSI INCITS 184-1993 (R2003) | Issued: 2003 |
| ANSI INCITS 229-1994 (R2004) | Issued: 2004 |
| 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](http://www.ieee.org).

|                                |              |
|--------------------------------|--------------|
| IEEE C95.1-2005                | Issued: 2005 |
| IEEE 802.3-2005/Cor2/D2.0-2007 | Issued: 2007 |
| IEEE 802.3u-1995               | Issued: 1995 |
| IEEE 802.3z-1998               | Issued: 1998 |
| IEEE 802.1Q-2005/Cor1-2008     | Issued: 2008 |
| IEEE 802.3ae-2002              | Issued: 2002 |

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**ACCESS SERVICE**

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**REFERENCE TO OTHER PUBLICATIONS (Cont'd)**

The following publications are referenced in this tariff and may be obtained from the Society of Motion Picture and Television Engineers (SMPTE), 3 Barker Avenue, 5<sup>th</sup> Floor, White Plains, NY 10601, Telephone No. 914 761-1100, or on the Internet at [www.smpte.org](http://www.smpte.org).

|                  |              |
|------------------|--------------|
| SMPTE 0259M-2008 | Issued: 2008 |
| SMPTE 0292M-2001 | Issued: 2001 |
| SMPTE 0310M-2004 | Issued: 2004 |

The following publication, referenced in this tariff, 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

The following publication is 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](http://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.

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ACCESS SERVICE

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications referenced in this tariff 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](http://www.ibm.com/us). Note: ESCON® is a registered trademark of the International Business Machines (IBM) Corporation.

|   |                     |
|---|---------------------|
| Coupling Facility Channel Physical Layer (Sixth Edition)                                  |                     |
| SA23-0395-05  | Issued: July 2008   |
| Enterprise Systems Architecture/390 ESCON I/O Interface, Physical Layer (Seventh Edition) |                     |
| SA23-0394-06  | Issued: July 2008   |
| ESA/390 ESCON I/O Interface   |                     |
| SA22-7202-02  | Issued: June 2002   |
| ESCON® Introduction   |                     |
| GA23-0383-01  | Issued: July 2002   |
| S/390 Time Management and IBM 9037 Sysplex Timer  |                     |
| SG24-2070-00  | Issued: May 1999    |
| Planning Fiber Optic Channel Links (Thirteenth Edition)                                   |                     |
| GA23-0367-12  | Issued: July 2009   |
| OS/390 Parallel Sysplex Configuration Volume 2: Cookbook                                  |                     |
| SG24-5638-00  | Issued: August 2000 |

The following publications, referenced in this tariff, may be obtained from the Advanced Television Systems Committee (ATSC), 1750 K Street NW, Suite 1200, Washington, DC 20006 or on the Internet at [www.atsc.org](http://www.atsc.org).

|  |                      |
|--|----------------------|
| ATSC Standard A/53, Digital Television Standard      |                      |
| Issued: January 2007                                 |                      |
| ATSC Document A/54A (includes Corrigendum No. 1),    |                      |
| Guide to the Use of ATSC Digital Television Standard |                      |
| Issued: December 2003, Corrigendum No. 1             | Issued December 2006 |

The Collocation Space Summary, which is referenced in this tariff, may be obtained from the Telephone Company's Internet website at <http://carrier.frontiercorp.com/crtf/carrier/>.

The following publication referenced in this tariff may be obtained from Nortel Networks, Inc., 4001 East Chapel Hill, Research Triangle Park, Raleigh, NC 27709, (919)991-8679 or on the Internet at [www.nortel.com](http://www.nortel.com).

|                            |  |
|----------------------------|--|
| Nortel Document No. Q214-1 |  |
| Issued: September 2000     |  |