

Qwest Corporation d/b/a CenturyLink QC
Access Service
Catalog

Idaho Public Utilities Commission
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January 1, 2017
Boise, Idaho

SOUTHERN IDAHO
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Regulations, Rates and Charges applying to the provision of Switched
Access Services within a Local Access and Transport Area (LATA)
or equivalent market areas for connection
to intrastate communications facilities

for Customers within the operating territory of

Qwest Corporation d/b/a CenturyLink QC

Whether offered under the name, or the trade or brand name CenturyLink (T)

in the State of

IDAHO

(COMPANY CODE 5103)

as provided herein.

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

ADOPTION NOTICE

Effective April 1, 2011, Qwest Corporation registered the fictitious name
CenturyLink QC. Effective August 8, 2011, Qwest Corporation began operating
under the name CenturyLink QC. As such, Qwest Corporation d/b/a
CenturyLink QC hereby adopts, ratifies and makes its own, in every respect as if
the same had been originally filed by it, all schedules, rules, notices,
concurrences, schedule agreements, divisions, authorities or other instruments
whatsoever, filed with the Idaho Public Utilities Commission, State of Idaho, by
or adopted by Qwest Corporation.

By this notice, Qwest Corporation d/b/a CenturyLink QC also adopts and ratifies
all supplements or amendments to any of the above schedules, etc., which Qwest
Corporation has heretofore filed with said Commission.

NOTICE
THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.
TRANSMITTAL NO. 16-11-SID

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1. APPLICATION AND REFERENCE

1.1 APPLICATION OF CATALOG

This Catalog contains regulations, terms, conditions, rates and charges applicable to the provision of Carrier Common Line, Switched Access Service, Expanded Interconnection Service and other miscellaneous services, hereinafter referred to collectively as service(s), provided by Qwest Corporation d/b/a CenturyLink QC, hereinafter referred to as the Company. The regulated services offered herein by Qwest Corporation d/b/a CenturyLink QC, whether under that name or the trade or brand name CenturyLink, are subject to the terms and conditions of this Catalog.

(T)

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(C)

These services are provided to customers for resale of intrastate telecommunication services to others. Switched Access Services are also provided to end users who utilize Feature Group A Switched Access Service-Foreign Exchange (FX) Services or Off Network Access Lines (ONAL) connected to a private line network not for resale. A Carrier Identification Code (CIC) must be obtained before customers can purchase Switched Access Service for resale.

(T)

Providers of interexchange service, that furnish service between Local Calling Areas, must purchase services from this document for their use in furnishing their authorized intrastate telecommunications services to end user customers, and for operational purposes directly related to the furnishing of such services.

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

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Effective: 7-2-2013

Idaho Public Utilities Commission
Office of the Secretary
ACCEPTED FOR FILING (C)
July 2, 2013
Boise, Idaho

SOUTHERN IDAHO
Issued: 5-31-2013

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1. APPLICATION AND REFERENCE

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1. APPLICATION AND REFERENCE

1.4 CATALOG FORMAT

1.4.1 LOCATION OF MATERIAL

1. Section 1 provides the following for all of the sections in this Catalog:
 - Subject Index - an alphabetical listing to find the desired section.
 - Table of Contents - A numerical listing to find the desired section and page.
2. Each individual section in the Catalog provides a Subject Index for the material located within that section.
3. Obsolete Service Offerings

Obsolete service offerings are identified in the Catalog by adding 100 to the current section number, i.e., obsolete items from Section 13., Switched Private Line Service, would be found in Section 113., Obsolete Switched Private Line Service. This section is then filed behind Section 13.

1.4.2 OUTLINE STRUCTURE

This document uses nine levels of indentations referred to as Tariff Information Management (TIM) Codes, as outlined below:

| LEVEL | APPLICATION | EXAMPLE |
|--------------|--------------------|-------------------------------|
| 1 | Section Heading | 2. GENERAL REGULATIONS |
| 2 | Sub Heading | 2.5 CONNECTIONS |
| 3 | Sub Heading | 2.5.1 GENERAL |
| 4 | Sub Heading/Text | A. Text |
| 5 | Sub Heading/Text | 1. Text |
| 6 | Sub Heading/Text | a. Text |
| 7 | Sub Heading/Text | (1) Text |
| 8 | Sub Heading/Text | (a) Text |
| 9 | Footnotes | [1] Text |

Qwest Corporation d/b/a CenturyLink QC
Access Service
Catalog

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1. APPLICATION AND REFERENCE

1.4 CATALOG FORMAT (Cont'd)

1.4.3 RATE TABLES

Within rate tables, four types of entries are allowed:

- Rate Amount

The rate amount indicates the dollar value associated with the service.

- A dash "-"

The dash indicates that there is no rate for the service or that a rate amount is not applicable under the specific column header.

- A footnote designator "[1]"

The footnote designator indicates that further information is contained in a footnote.

- ICB

The acronym "ICB" indicates that the product/service is rated on an individual case basis.

1.4.4 RESERVED FOR FUTURE USE

(T)

(D)

(D)

1. APPLICATION AND REFERENCE

1.5 EXPLANATION OF CHANGE SYMBOLS

| SYMBOL | EXPLANATION |
|---------------|---|
| (C) | To signify changed regulation |
| (D) | To signify discontinued material |
| (I) | To signify rate increase |
| (M) | To signify material moved from or to another part of the document with no change, unless there is another change symbol present |
| (N) | To signify new material |
| (R) | To signify rate reduction |
| (T) | To signify a change in text but no change in rate or regulation |

Qwest Corporation d/b/a CenturyLink QC
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Idaho Public Utilities Commission
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1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS

| | |
|--------|---|
| ABD | - Average Business Day |
| ac | - Alternating current |
| ACAT | - Additional Cooperative Testing |
| ADV | - Account Data Verification |
| AMA | - Automatic Message Accounting |
| AML | - Actual Measured Loss |
| ANI | - Automatic Number Identification |
| APP | - Application Date |
| ASCIC | - Access Service Customer Identification Charge |
| ASG | - Access Service Group |
| ASR | - Access Service Request |
| AST | - Automatic Scheduled Testing |
| AT | - Access Tandem |
| ATP | - Access Transport Parameter |
| ATTP | - Access Tandem Trunk Port |
| AT&T | - American Telephone and Telegraph Company |
| BD | - Business Day |
| B8ZS | - Bipolar Eight Zero Substitution |
| BHM | - Busy Hour Minutes |
| BHMC | - Busy Hour Minutes of Capacity |
| Bvd. | - Boulevard |
| BNA | - Billing Name and Address |
| BP | - Billing Percentage |
| BSE | - Basic Service Element |
| CAROT | - Centralized Automatic Reporting on Trunks |
| CCC | - Clear Channel Capability |
| CCL | - Carrier Common Line |
| CCS | - One hundred call seconds |
| CCSAC | - Common Channel Signaling Access Capability |
| CCSN | - Channel Common Signaling Network |
| CFA | - Circuit Facility Assignment |
| C.F.R. | - Code of Federal Regulations |
| CI | - Channel Interface |
| CIC | - Carrier Identification Code |
| CL | - Common Line |
| CMRS | - Commercial Mobile Radio Service |

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

| | |
|--------|---|
| CN | - Charge Number |
| Co. | - Company |
| CO | - Central Office |
| Cont'd | - Continued |
| CP | - Customer's Premises |
| CPE | - Customer Provided Equipment |
| CPN | - Calling Party Number |
| cps | - Cycles per second |
| CSP | - Carrier Selection Parameter |
| CSR | - Customer Service Records |
| CST | - Cooperative Scheduled Testing |
| dB | - Decibel |
| d/b/a | - Doing Business As |
| dBm | - Decibel milliwatt |
| dBm0 | - Decibel reference to one milliwatt relative to zero level |
| dBrn | - Decibel Reference Noise |
| dBrc | - Decibel Reference Noise C-Message Weighting |
| dBrc0 | - 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 |
| D.C. | - District of Columbia |
| DD | - Service Date |
| DID | - Direct Inward Dialing |
| DLR | - Design Layout Report |
| DLRD | - Design Layout Report Date |
| DLT | - Direct Link Transport |
| DTMF | - Dual Tone Multifrequency |
| DTT | - Direct-Trunked Transport |
| E. | - East |
| EDD | - Envelope Delay Distortion |
| EF | - Entrance Facility |
| e.g. | - For example |
| EI | - Expanded Interconnection |
| EICT | - Expanded Interconnection Channel Termination |
| 800 DB | - 800 Data Base |
| ELEPL | - Equal Level Echo Path Loss |
| EML | - Expected Measured Loss |
| EO | - End Office |
| EOSP | - End Office Shared Port |
| EPL | - Echo Path Loss |

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

| | |
|--------|---|
| ERL | - Echo Return Loss |
| ESS | - Electronic Switching System |
| etc. | - Etcetera |
| ETCA | - Exchange Telephone Company A |
| ETCB | - Exchange Telephone Company B |
| EU | - End User |
| EXM | - Exit Message |
| f | - Frequency |
| F.C.C. | - Federal Communications Commission |
| FGA | - Feature Group A |
| FGB | - Feature Group B |
| FGC | - Feature Group C |
| FGD | - Feature Group D |
| FID | - Field Identifier |
| FSPOI | - Facility Signaling Point of Interconnection |
| Ft. | - Feet |
| FX | - Foreign Exchange |
| GPR | - Ground Potential Rise |
| H | - Horizontal |
| HC | - High Capacity |
| HVP | - High Voltage Protection |
| Hz | - Hertz |
| IAM | - Initial Address Message |
| IC | - Interexchange Carrier |
| ICB | - Individual Case Basis |
| ICL | - Inserted Connection Loss |
| ID | - Identification |
| i.e. | - That is |
| IEEE | - Institute of Electrical and Electronics |
| Inc. | - Incorporated |
| ISDN | - Integrated Services Digital Network |
| ISUP | - Integrated Services Digital Network User Part |
| kHz | - Kilohertz |
| LATA | - Local Access and Transport Area |
| LOF | - Letter on File |
| LS | - Local Switching |

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|----------|---|---|
| Ma | - | Milliamperes |
| Mbps | - | Megabits per second |
| mcs | - | Microseconds |
| MECAB | - | Multiple Exchange Carrier Access Billing |
| MECOD | - | Multiple Exchange Carrier Ordering and Design |
| MF | - | Multifrequency |
| MFJ | - | Modification of Final Judgment |
| MHz | - | Megahertz |
| MOU | - | Minutes of Use |
| MPTS | - | Multiple POTs Tandem Sectorization |
| MRC | - | Monthly Recurring Charge |
| MST | - | Manual Scheduled Testing |
| MTL | - | Maximum Termination Liability |
| MTS | - | Message Telecommunications Service(s) |
| MTS/WATS | - | Message Telecommunications Service and/or Wide Area Telecommunications Service |
| MTSO | - | Mobile Telephone Switching Office |
| MUX | - | Multiplexing |
| N. | - | North |
| N/A | - | Not Applicable |
| NANP | - | North American Numbering Plan |
| NDM | - | Network Data Mover |
| NI | - | Network Interface |
| No. | - | Number |
| NPA | - | Numbering Plan Area |
| NRC | - | Nonrecurring Charge |
| NSEP | - | National Security Emergency Preparedness |
| NST | - | Nonscheduled Testing |
| NTS | - | Non-Traffic Sensitive |
| NXX | - | Three-Digit Central Office Code |
| OCC | - | Other Common Carrier |
| ONAL | - | Off Network Access Line |
| OTPL | - | Zero Transmission Level Point |

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

| | |
|----------|-------------------------------------|
| PAL | - Public Access Line |
| PBX | - Private Branch Exchange |
| PCM | - Pulse Code Modulation |
| PDR | - Percent Direct Routed |
| PI | - Priority Installation |
| PIC | - Primary Interexchange Carrier |
| PIU | - Percent Interstate Use |
| PLTS | - Private Line Transport Service |
| p.m. | - Post meridiem |
| P.O. | - Post Office |
| POM | - Percent Other Messages |
| POT | - Point of Termination |
| POTS | - Plain Old Telephone Service |
| PR | - Priority Installation |
| PSP | - Payphone Service Provider |
| PSTN | - Public Switched Telephone Network |
| PTD | - Plant Test Date |
| PVU | - Percent VoIP Usage |
| RESP ORG | - Responsible Organization |
| rms | - root-mean-square |
| RR | - Reference Rated |
| RSM | - Remote Switching Modules |
| RSS | - Remote Switching Systems |
| S. | - South |
| SCP | - Service Control Point |
| SF | - Single Frequency |
| SMS/800 | - Service Management System/800 |
| SP | - Signal Point |
| SPOI | - Signaling Point of Interface |
| SRL | - Singing Return Loss |
| SSN | - Switched Service Network |
| SSP | - Service Switching Point |
| SS7 | - Signaling System 7 |
| STP | - Signal Transfer Point |
| SWC | - Serving Wire Center |

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

- TCAP - Transaction Capabilities Application Part
- TCSIs - Transaction Codes/Status Indicators
- TES - Telephone Exchange Service(s)
- TIM - Tariff Information Management
- TLP - Transmission Level Point
- TSP - Telecommunications Service Priority or Tandem Service Provider
- TSPS - Traffic Service Position System
- TST - Tandem Switched Transport
- TT - Tandem Transmission
- U.S. - United States

(D)

- V - Vertical
- VG - Voice Grade
- V & H - Vertical & Horizontal
- VoIP - Voice over Internet Protocol
- W. - West
- WATS - Wide Area Telecommunications Service(s)
- WPM - Words-per-minute
- WSO - WATS Serving Office

1. APPLICATION AND REFERENCE

1.7 TRADEMARKS, SERVICE MARKS AND TRADE NAMES

Trade names, trademarks and/or service marks which may be used for services offered in this Catalog are owned by CenturyLink, Inc. or a subsidiary of CenturyLink, Inc. and are used by the Company with express permission. Trademark and service mark designations will not be listed hereafter in the Catalog. However, the laws regarding trademarks and service marks are applicable.

Trade names, trademarks and service marks that are owned by CenturyLink, Inc. or subsidiary of CenturyLink, Inc. cannot be used by another party without authorization.

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CENTURYLINKTM
CENTURYLINKSM

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(N)

1.8 REFERENCE TO OTHER TARIFFS AND CATALOGS

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

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS

- A. All service(s) offered in this document must conform to the transmission specification standards contained in this document or in the following Technical References.
- B. The following publications may be obtained from Telcordia, Customer Services, 8 Corporate Place, PYA-3A184, Piscataway, NJ 08854-4196:

| TITLE | PUBLICATION NUMBER |
|---|-------------------------------|
| LATA Switching Systems Generic Requirements (LSSGR) | FR-64 |
| Operator Services Systems Generic Requirements (OSSGR) | FR-271 |
| Transport Systems Generic Requirements (TSGR) | FR-NWT-000440 |
| Ordering and Billing Forum-Multiple Exchange Carrier Access Billing (MECAB) | SR-BDS-000983 |
| Industry Support Interface (ISI): General Overview | SR-STS-000284 |
| Ordering and Billing Forum-Multiple Exchange Carrier Ordering and Design Guidelines (MECOD) | SR-TAP-000984 |

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS

B. (Cont'd)

| TITLE | PUBLICATION NUMBER |
|--|-------------------------------|
| Trunk Traffic Engineering Concepts and Applications | SR-TAP-000191 |
| Telecommunications Transmission Engineering Textbook-Volume 3: Network and Services | ST-TEC-000053 |
| Estimated Transmission Performance of Switched Access Service Feature Group D | TR-NPL-000002 |
| Compatibility Information for Feature Group B Switched Access Service | TR-NPL-000175 |
| Compatibility Information for Feature Group D Switched Access Service | TR-NPL-000258 |
| Voice Grade Switched Access Service - Transmission Parameter Limits and Interface Combinations | GR-334-CORE |

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS
B. (Cont'd)

| TITLE | PUBLICATION NUMBER |
|---|-------------------------------|
| Switching System Requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP) | GR-394-CORE |
| Network Transmission Interface and Performance Specification Supporting Integrated Services Digital Network (ISDN) | TR-NWT-000938 |

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS
B. (Cont'd)

| TITLE | PUBLICATION NUMBER |
|--|-------------------------------|
| Common Channel Signaling (CCS) Network Interface Specification | GR-905-CORE |
| Common Channel Signaling (CCS) Network Interface Specification Supporting Alternate Billing Services (ABS) | GR-954-CORE |
| Exchange Message Interface | SR-30 |

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

- C. The following Qwest Corporation Technical publications may be obtained from Faison Office Products Company, Customer Services, 3251 Revere Street, Suite 200, Aurora, CO 80011:

| TITLE | PUBLICATION NUMBER |
|--|-------------------------------|
| Compatibility Information for 800 Service Switched Access Service | 77318 |
| Special High Voltage Protection | 77321 |

1. APPLICATION AND REFERENCE

1.9 REFERENCE TO TECHNICAL PUBLICATIONS
C. (Cont'd)

| TITLE | PUBLICATION NUMBER |
|---|-------------------------------|
| Qwest Corporation DS3 Service | 77324 |
| Qwest Corporation, Common Channel Signaling Interconnections | 77342 |
| Network Channel and Network Channel Interface Combinations | 77365 |
| 1.544 Mbit/s Channel Interfaces Technical Specifications for Network Channel Interface Codes Describing Electrical Interfaces at Customer Premises and at Qwest Corporation Central Offices | 77375 |
| Physical and Virtual Collocation and Associated DS1 and DS3 Expanded Interconnection Channel Terminations | 77386 |

1. APPLICATION AND REFERENCE

1.10 REFERENCE TO OTHER PUBLICATIONS

- A. The following publications are available for inspection in the Public Reference room of the Tariff Division at the main building of the Federal Communications Commission located at 1919 M Street N.W., Washington, D.C., and may be obtained from the Federal Communications Commission's commercial contractor:

TITLE

CC Docket No. 83-1145, Phase I
Memorandum Opinion and Order
(Including Appendices A, B, and C)

CC Docket No. 85-145
Memorandum Opinion and Order

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

CenturyLink Operating Companies
Tariff F.C.C. No. 11

CenturyLink Operating Companies
Tariff F.C.C. No. 12

Code of Federal Regulations, Title 47

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(T)

- B. The following publication may be obtained by contacting the Qwest Corporation Account Representative:

TITLE

Qwest Corporation Service Interval Guide

Qwest Corporation Tandem Sectorization Guide

1. APPLICATION AND REFERENCE

1.10 REFERENCE TO OTHER PUBLICATIONS (Cont'd)

- C. The following publications may be obtained through the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol St. N.E., Washington, D.C. 20401:

TITLE

Part 64.401, Appendix A, of the Federal Communications Commission's Rules and Regulations, as set forth in:
Gen. Docket No. 87-505
Report and Order

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

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

1. APPLICATION AND REFERENCE

1.10 REFERENCE TO OTHER PUBLICATIONS (Cont'd)

- D. The following publication, referenced in this document, may be obtained from the Telcordia Number Administration Service Center (NASC), 290 West Mount Pleasant Avenue, Livingston, NJ 07039-0486.

TITLE

Guidelines for 800 Data Base

- E. The following publication, referenced in this document, may be obtained from Telcordia, Customer Services, 8 Corporate Place, PYA-3A184, Piscataway, NJ 08854-4196.

TITLE

SMS/800 User Guide: 800 Service Management

Qwest Corporation d/b/a CenturyLink QC

**Access Service
Catalog**

**SECTION 2
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2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY

2.1.1 SCOPE

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

2.1.2 LIMITATIONS

- A. The customer may not assign or transfer the use of services provided under this document; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
 - 1. Another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
 - 2. A court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.
- B. In all cases of assignment or transfer, the written acknowledgment of the Company is required prior to such assignment or transfer to which acknowledgment shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this document shall apply to such assignee or transferee.

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY

2.1.2 LIMITATIONS (Cont'd)

- C. The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.
- D. The assignor or transferor and the assignee or transferee will be required to sign a Transfer of Use Agreement assuming all outstanding indebtedness as set forth in A.1., preceding. In all cases where there is no interruption of use or relocation of the services (i.e., change in Carrier Identification Code (CIC) or any other technical and or physical change to the service), administrative changes will be made without charge(s).
- E. The installation and restoration of services shall be subject to the regulations set forth in Section 12, following concerning the Telecommunications Service Priority (TSP) System.
- F. Subject to compliance with the rules mentioned in D., preceding, the services offered herein will be provided to customers on a first-come, first-served basis.
- G. The provision or continuation of service may be limited in order to comply with orders issued under wartime authority of the President of the United States.

2.1.3 LIABILITY

- A. The Company's liability, if any, for its willful misconduct is not limited by this document. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration of service, including presubscription, and subject to the provisions of B. through G., following, the Company's liability, except as set forth in 12.3.7, following, if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this document as a Credit Allowance for a Service Interruption.

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY

2.1.3 LIABILITY (Cont'd)

- B. The Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- C. The Company is not liable for damages to the customer's premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Company's negligence.
- D. The Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered under this document, involving:
 - 1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications;
 - 2. Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Company in connection with facilities or equipment furnished by the customer or;
 - 3. All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this document.
- E. The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY

2.1.3 LIABILITY (Cont'd)

- F. No license under patents (other than the limited license to use) is granted by the Company or shall be implied or arise by estoppel, with respect to any service offered under this document. The Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this document and will indemnify such customer for any damages awarded based solely on such claims.
- G. The Company's failure to provide or maintain services under this document shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control, subject to the Credit Allowance for Service Interruptions as set forth in 2.4.5, following.

2.1.4 PROVISION OF SERVICES

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

2.1.5 INSTALLATION AND TERMINATION OF SERVICES

A. All Services Except Expanded Interconnection (EI) Service

The services provided under this document (a) will include any entrance cable or drop wiring to that point where provision is made for termination of the Company's outside distribution network facilities at a suitable location at a customer-designated premises and (b) will be installed by the Company to such Point of Termination (POT). Access Service has only one POT per customer premises. Any additional terminations beyond such POT are the sole responsibility of the customer.

B. EI Service

The EI Service provided for under this document will include the appropriation, installation and termination of equipment in accordance with the regulations as set forth in Section 21, following.

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY (Cont'd)

2.1.6 MAINTAINING SERVICES

The services provided under this document shall be maintained by the Company except for interconnector provided and owned fiber optic facilities at the point of interconnection for EI Service. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company or contained in a Company-owned facility housing (e.g., above ground cabinets, underground utility vaults, utility hole, hand hole, etc.), except with prior written consent and presence of a Company-designated inspector.

2.1.7 CHANGES AND SUBSTITUTIONS

Except as provided for equipment and systems subject to F.C.C.'s Part 68 Regulations at 47 C.F.R. Section 68.110(b), the Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this document, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Company.

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

2.1.8 REFUSAL AND DISCONTINUANCE OF SERVICE

Provisions for the refusal and discontinuance of service are set forth in 2.4.4, following.

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE COMPANY (Cont'd)

2.1.10 NOTIFICATION OF SERVICE-AFFECTING ACTIVITIES

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

2.1.11 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES

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

2.1.12 PROVISION AND OWNERSHIP OF TELEPHONE NUMBERS

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

2. GENERAL REGULATIONS

2.2 USE

2.2.1 INTERFERENCE OR IMPAIRMENT AND UNLAWFUL USE

- A. The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Company and associated with the facilities utilized to provide services under this document shall not interfere with or impair service over any facilities of the Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.
- B. Except as provided for equipment or systems subject to the F.C.C.'s Part 68 Rules in 47 C.F.R. Section 68.108, if such characteristics or methods of operation are not in accordance with A. preceding, the Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Company's right to discontinue temporarily the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, Credit Allowance For Service Interruptions as set forth in 2.4.5 following, is not applicable.
- C. The services provided under this document shall not be used for any unlawful purpose.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.1 DAMAGES

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

2.3.2 OWNERSHIP OF FACILITIES

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

2.3.3 EQUIPMENT SPACE AND POWER

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

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.4 AVAILABILITY FOR TESTING

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

2.3.5 BALANCE

All signals for transmission over the services provided under this document shall be delivered by the customer balanced to ground except for ground start and duplex (DX).

2.3.6 DESIGN OF CUSTOMER SERVICES

- A. Subject to the provisions of 2.1.7, preceding, the customer shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Company, minimum protection criteria or operating or maintenance characteristics of the facilities.
- B. Services entering high voltage environments require special high voltage protection equipment. Prior to ordering any services entering this type of environment, refer to 12.3.6, following.

2.3.7 REFERENCES TO THE COMPANY

The customer may advise their end users that certain services are provided by the Company in connection with the service the customer furnishes to their end users; however, the customer shall not represent that the Company jointly participates in these services.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.8 CLAIMS AND DEMANDS FOR DAMAGES

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

2.3.9 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES

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

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

A. Jurisdictional Determinant

Pursuant to Federal Communications Commission order F.C.C. 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station number) is situated is an interstate communication.

For purposes of CCSAC ISUP Call Set-up requests, Percent Other Messages (POM) shall be established by dividing the customer CCSAC ISUP Call Set-up requests (originating and terminating) associated with local, EAS, intraMTA, the Local Exchange Company portion of jointly provided Switched Access and Company originated toll by the total number of CCSAC ISUP Call Set-up requests (originating and terminating) and expressing the result as a percentage in a whole number.

When mixed interstate and intrastate Access Service is provided on the same Access Service transmission path, all charges between interstate and intrastate are prorated as set forth in 2.3.11, following.

A floor of 5% will be set for a switched access customer's Feature Group D terminating access minutes when they are lacking originating number information needed to determine jurisdiction. The 5% floor will be applied as follows:

- When the percentage of terminating traffic without sufficient call detail to determine jurisdiction does not exceed the 5% floor, the Company will apply the PIU factor as set forth in B.2.c, following or
- When the percentage of terminating traffic without sufficient call detail to determine jurisdiction exceeds the 5% floor, the Company will assess rates from the state jurisdiction on all minutes exceeding the 5% floor.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS (Cont'd)

B. Jurisdictional Requirements

The customer must indicate a projected Percent of Interstate Use (PIU) factor in a whole number (i.e., a number 0 - 100) when ordering Switched Access Service in a LATA, including EF and DTT Facilities. When a customer-provided PIU factor is required and the customer has previously submitted a Jurisdictional Report (i.e., Letter on File [LOF]) as set forth in C., following, the LOF PIU factor is required on each Access Service Request (ASR).

For CCSAC, customers who are third party signaling providers must develop their jurisdictional factors based upon the weighted average of the jurisdictional factors of their customers.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B. Jurisdictional Requirements (Cont'd)

1. Feature Group A (FGA) or Feature Group B (FGB) Service

a. FGA to be Resold

Upon ordering FGA Service to be resold, the customer shall state in its initial order a projected PIU factor as set forth in B., preceding. The PIU factor is reported by State. When the customer reports a State-level PIU factor, the specified percentage applies to all end offices within the State.

(C)
(C)

The projected PIU factor is used by the Company to apportion the originating and terminating usage between interstate and intrastate until a revised report is received as set forth in C., following. The number of access minutes (either the measured minutes or the assumed minutes) is multiplied by the projected PIU factor to develop the interstate access minutes. The number of access minutes minus the developed interstate access minutes is the developed intrastate access minutes. This PIU factor is in addition to the PIU factor as set forth in 3., following.

b. FGA Not to be Resold

For FGA Service not to be resold, the customer shall state in its initial order a projected PIU factor of zero percent (0%) by lineside termination or access service group.

c. FGB Service

Upon ordering FGB Service, the customer shall state in its initial order a projected PIU factor as set forth in B., preceding. The PIU factor is reported by State. When the customer reports a State-level PIU factor, the specified percentage applies to all end offices within the State.

(C)
(C)

The projected PIU factor for FGB Service used by the Company to apportion the originating and terminating usage between interstate and intrastate is developed in the same manner as in a., preceding. This PIU factor is in addition to the PIU factor as set forth in 3., following.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B. Jurisdictional Requirements (Cont'd)

2. Feature Group C (FGC) or Feature Group D (FGD) Service

a. Originating FGC or FGD Service

When a customer orders FGC or FGD Switched Access Service(s), where the jurisdiction is determined from the call detail, the Company will develop the projected PIU factor according to such jurisdiction. The projected interstate percentage is developed on a monthly basis, by end office, when the originating FGC or FGD access minutes are measured, by dividing the measured interstate originating access minutes by the total originating access minutes.

b. Terminating FGC Service

When a customer orders terminating FGC Switched Access Service, the data used by the Company to develop the projected PIU factor for originating FGC access minutes is used to develop the projected PIU factor for such terminating access minutes. When originating call details are insufficient to determine the jurisdiction for the call, the customer may supply the projected PIU factor by State[1] or authorize the Company to use the Company developed percentage for such call detail. The Company will designate the number obtained by subtracting the projected PIU factor for originating and terminating access minutes calculated by the Company from 100 (100 - Company calculated projected interstate percentage = intrastate percentage) as the intrastate percentage of use.

(C)

[1] When the customer reports a State-level PIU factor, the specified percentage applies to all end offices within the State.

(C)

(C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.2. (Cont'd)

c. Terminating FGD Service

When a customer orders terminating FGD, if the Company has sufficient call details to determine the jurisdiction for the call, the Company will bill the call minutes of use according to that jurisdiction.

When terminating call details are insufficient to determine the jurisdiction for the call, see A, preceding, the customer may supply the projected PIU factor for a portion of the indeterminate jurisdiction by State[1]. The projected PIU factor will be used to apportion the terminating traffic which does not exceed the 5% floor. (C)

When terminating call details are insufficient to determine the jurisdiction, and the customer does not supply a projected PIU factor by State, calls will be billed using a PIU of 50 (50% interstate – 50% intrastate). The PIU of 50 will be used to apportion the terminating traffic which does not exceed the 5% floor. (C)

In the event that the Company applies the intrastate terminating access rate to calls without sufficient call detail as provided in this tariff, the customer will have the opportunity to request backup documentation regarding the Company's basis for such application, and further request that the Company change the application of the intrastate access rate upon a showing of why the intrastate rate should not be applied. (See also Section 2.4.1.C.4, billing disputes.)

[1] When the customer reports a State-level PIU factor, the specified percentage applies to all end offices within the State. (C)
(C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.2.c. (Cont'd)

For terminating FGD access minutes via a DTT facility equipped with Tandem Signaling Information (TSI), the customer of record will provide the Company with a projected PIU factor in a whole number (a number 0-100) by Company end office within the State. The projected PIU factor supplied by the customer will be used by the Company to apportion the terminating usage between interstate and intrastate. If the customer does not supply the Company with a projected PIU factor when the terminating FGD Service is ordered or subsequent to the initial order, the Company will apply a default factor of fifty percent (50%) by end office until a report is received as set forth in C., following. (C)

3. Entrance Facility (EF) and Direct-Trunked Transport (DTT) Facility (Excludes Voice Grade (VG) EF and DTT for FGA)

For EF and DTT facilities, the customer has the following jurisdiction options; 1) allow the Company to develop the projected State-level PIU factor using a mechanized program as set forth in a., following or 2) provide the Company with a projected State-level PIU factor via a quarterly jurisdictional report as set forth in b., following. (C)

Customers initially ordering Switched Access Services in the LATA for the first time, shall provide on the access order a State-level PIU factor for new EF and DTT facilities based on all the originating and terminating traffic using such facilities. The Company will use the State-level PIU factor from the customer's initial order for service as the State-level PIU factor for the Company's mechanized program for the first quarter of new service only. After the first quarter of new service, the Company will develop the State-level PIU factor as described in a., following until the Company receives a certified letter from the customer authorizing the Company to develop the projected PIU factor from a customer-provided report as set forth in b., following. (C)

The PIU factor for an EF DS3 capacity of two or more is applied at the same percentage as the reported or calculated EF PIU factor at the State-level. (C)

a. Company-Developed EF and DTT PIU Factor

The Company-developed State-level PIU factors for EF and DTT facilities are updated on a quarterly basis by calculating the customer's average billed Interstate usage (excluding VG EF and DTT facilities for FGA) for the last three months. The Company will perform the calculation for the revised State-level PIU factor no later than the last business day in January, April, July and October, respectively. The Company-developed State-level PIU factor will serve as the basis for the customer's next three months' advance billing beginning in February, May, August and November, respectively. (C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.3.a. (Cont'd)

When existing customers order additional EF and DTT facilities for Switched Access Service, the Company will determine the State-level PIU factor where jurisdiction can be determined from previously billed usage. The PIU factor is based on the average billed Switched Access Interstate usage (excluding VG EF and DTT facilities for FGA) per State, per customer on a quarterly basis. When the Company is unable to determine the State-level PIU factor for EF and DTT facilities for an existing customer because usage data is not being billed to that customer, the Company will apply a default PIU factor of fifty percent (50%). (C)

The PIU factor is expressed as a whole number (i.e., a number 0 - 100). The PIU factor is used by the Company to determine interstate and intrastate rates and charges. The PIU factor is applied to all rate elements associated with EF and DTT facilities. This PIU factor is in addition to the PIU factors as set forth in 1. and 2., preceding. (C)

b. Customer-Provided EF and DTT PIU Factor

Customers who choose to provide a projected State-level PIU factor for EF and DTT facilities, shall notify the Company by letter (certified U.S. Mail return receipt requested) authorizing the Company to develop the projected State-level PIU factor from a customer-provided quarterly report. Customer's choosing to provide a projected State-level PIU factor shall base the PIU factor on all the originating and terminating traffic using the EF and DTT facilities in the State. The customer-provided jurisdictional report must be received by the Company no later than fourteen (14) days after the first of January, April, July and October in order for the customer-provided PIU factor to serve as the basis for the next three month's advance billing beginning in February, May, August and November, respectively. The Company will program the customer-provided revised PIU factor into the Company's billing data base no later than the last business day in January, April, July and October, respectively. If the customer does not provide the jurisdictional report in time for the Company to program the billing data base, the Company will continue to develop a State-level PIU factor for the quarter as the Company's billing data base can only be programmed with one PIU process at a time in the same quarter. (C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.3.b. (Cont'd)

For existing customers who provide a quarterly report and the report is not received by the Company in time for the Company to program the revised State-level PIU factor for EF and DTT facilities in the State, the Company will assume the EF and DTT PIU factors to be the same as those provided in the last quarterly report and follow the steps as set forth in C., following. (C)

Customers who choose to provide a projected State-level PIU factor for EF and DTT facilities shall supply a percentage in a whole number (i.e., a number 0-100) by State. The PIU factor is used by the Company to determine interstate and intrastate rates and charges. The PIU factor is applied to all rate elements associated with EF and DTT facilities. This PIU factor is in addition to the PIU factors as set forth in 1. and 2., preceding. (C)

Customers may request to change from a quarterly customer-provided State-level PIU factor to a Company-developed State-level PIU factor for their EF and DTT facilities in the State. The customer must notify the Company (by certified U. S. Mail return receipt requested) no later than fourteen (14) days after the first of January, April, July and October in order for the Company-developed State-level PIU factor as set forth in a., preceding to serve as the basis for the next three months' advance billing beginning in February, May, August and November, respectively. The Company will program the PIU factor into the Company's billing data base no later than the last business day of January, April, July and October for the advance quarterly billing beginning in February, May, August and November, respectively. If the customer does not notify the Company in time for the Company to program the billing data base with the Company-developed State-level PIU factor, the customer must continue to provide a quarterly jurisdictional report for the quarter as the Company's billing data base can only be programmed with one PIU process at a time in the same quarter. (C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.3. (Cont'd)

c. VG EF and DTT facilities for FGA to be Resold

Customers initially ordering a VG EF and a DTT facility for FGA to be resold shall provide a projected PIU factor for each new facility. These PIU factors shall reflect all originating and terminating traffic using these facilities and are in addition to the PIU factors as set forth in 1.a., preceding.

The PIU factor for the VG EF and DTT facility will be applied to all rate elements associated with the EF and DTT facility.

The PIU factor is expressed as a whole number (i.e., a number 0 - 100). The PIU factor will be used by the Company to determine interstate and intrastate rates and charges. If the customer does not provide the Company a Switched Access PIU factor for an EF or DTT facility, the Company will apply a default PIU factor of fifty percent (50%).

The PIU factor will be used by the Company until a revised PIU factor is reported as set forth in C., following. A Switched Access State-level PIU factor shall be provided for all VG EF and for all DTT facilities provided within a State for FGA for the revised reports. These PIU factors will account for both the originating and terminating traffic of all services using these facilities within the State.

(C)
(C)
(C)

d. VG EF and DTT facilities for FGA not to be Resold

Customers initially ordering a VG EF and a DTT facility for FGA not to be resold shall state a projected PIU factor of zero percent (0%) for each facility. This PIU factor is in addition to the PIU factor as set forth in 1.b., preceding.

4. Tandem-Switched Transport

For Tandem-Switched Transport, rates and charges will be apportioned by the Company between interstate and intrastate based upon the PIU factor for the serving arrangement (Feature Group), as set forth in 1. and 2., preceding.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B. Jurisdictional Requirements (Cont'd)

5. CCSAC

When a customer initially orders CCSAC Service in a LATA, the customer shall state in its order a PIU factor in a whole number (i.e., a number of 0 - 100). The customer shall also state in its order a POM factor in a whole number (i.e., a number of 0 - 100). Other messages are defined as ISUP Call Set-up requests associated with local, Extended Area Service (EAS) and intraMTA, the Local Exchange Company portion of jointly provided Switched Access and Company originated toll calling.

Upon request from the customer, the Company will provide to the customer, within 30 days, the Company originated CCSAC ISUP Call Set-Up requests associated with local, EAS, IntraMTA (for CMRS providers only), the Local Exchange Company portion of jointly provided switched access and Company originated toll for the calendar month specified in Section 2.3.10.C.2.a, for traffic on Local Interconnect Service and Wireless Type 2 trunks. Qwest will provide data based on actual records, defined as either call detail records, call message counts (including incomplete attempts) or signaling message records, as agreed upon by the Company and the customer.

If the customer has signaling associated with calls that do not utilize the Company's switched access network, or Wireless Type 2 traffic, this data should also be included in the calculation of the CCSAC PIU and POM to the extent that such data is available. To the extent this data is not available, the customer may declare the CCSAC PIU and POM based on the data that does exist, and assume that the traffic for which data does not exist exhibits the same CCSAC PIU and POM proportions as that for which data does exist.

The total of the PIU and POM shall not exceed 100. If the total of PIU and POM exceeds 100, then the PIU takes priority and the balance (100 - PIU) will be defaulted to POM. The Company will designate the number obtained by subtracting the projected PIU and POM factors furnished by the customer from 100 as the projected intrastate percentage of use. The projected PIU factor is used by the Company to apportion the message, monthly and nonrecurring charges associated with the CCS Link, STP Port, CCSAC Entrance Facility and Direct Link Transport between interstate and intrastate.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B. Jurisdictional Requirements

5. CCSAC(Cont'd)

The projected PIU and POM are used to apportion the ISUP Call Set-up requests as interstate, intrastate and other for charging purposes. ISUP Call Set-up requests reported as POM will not be charged, provided that if the customer charges the Company for ISUP Call Set-up requests for Company originated traffic, the Company may charge the customer for ISUP Call Set-up requests associated with customer originated traffic in the same categories of traffic billed by the customer (i.e., local, EAS, intraMTA, Local Exchange Company portion of jointly provided switched access or Company originated toll traffic).

If a customer does not provide a PIU factor, the Company will apply a default PIU factor of fifty percent (50%). If a customer does not provide a POM factor, the Company will apply a default POM factor of zero percent (0%) except in those instances where the Company fails to provide the requested data described above with respect to the initial submission of the POM in a State, in which case the Company will apply a default CCSAC POM equal to the number obtained by subtracting the declared CCSAC PIU from 100. (C)

The PIU and POM factors will be used by the Company until a revised PIU or POM factor is reported as set forth in C., following. A State-level PIU and POM factor shall be provided for CCSAC Service provided within a State for the revised reports. (C)

6. Switched Access Service Expanded Interconnection Channel Termination

When a customer orders a Switched Access Service Expanded Interconnection Channel Termination (as set forth in Section 21), the customer shall state in its order the PIU factor in a whole number (i.e., a number 0 - 100). The Company will designate the number obtained by subtracting the projected interstate percentage furnished by the customer from 100 as the projected intrastate percentage of use. (C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

B.6. (Cont'd)

The customer shall update the EICT PIU factor via a jurisdictional report as set forth in C., following. If the customer does not supply the reports, the Company will assume the PIU factors to be the same as those provided in the last quarterly report and follow the steps as set forth in C., following. For those cases in which a quarterly report has never been received from the customer, the Company will assume the PIU factors to be fifty percent (50%) until a revised PIU factor is provided via a jurisdictional report. Upon receipt of the customer's report, the Company will begin using the interstate percentage as set forth in C., following.

C. Jurisdictional Reports

1. Percent Interstate Use (PIU) Factor

Except where Company measured access minutes are used as set forth in B.2., preceding, the customer-provided PIU factor will be used until the customer reports a different projected PIU factor based on the following guidelines.

- a. The customer may update the PIU factor via a Jurisdictional Report on a quarterly basis. The customer shall report the PIU factor by traffic and service type for each State. The customer shall forward to the Company a revised report, to be received no later than fourteen (14) days after the first of January, April, July and October. The revised report shall show the PIU factor for the most current data available, for each service arranged for interstate use. This data shall consist of at least three (3) and no more than twelve (12) consecutive months' of data, ending no more than seventy-five (75) days earlier than the date the report is due (e.g., for the report due January 15th, the last month of data should be no earlier than October 31). The updated PIU factor shall be based on call detail records. The PIU factor can be based on a statistically valid sample. The PIU factor reported in January, April, July and October will be effective on the bill date of each such month and will serve as the basis for subsequent monthly billing pending the receipt of a revised PIU report.

(C)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

C.1. (Cont'd)

- b. No prorating or back billing will be done based on the jurisdictional report. However, usage will be billed utilizing the interstate percentage that was in effect at the time the usage was generated.
- c. The customer shall maintain and retain the work papers that show how the interstate percentage was determined and a summary derived from the actual call detail records for a minimum twelve (12) month period which statistically substantiates each interstate percentage provided to the Company. This summary at a minimum shall include month, year, state, traffic type (e.g., originating, terminating, 700, 8XX, 900, etc.) and service type.
- d. The Company may request the actual call detail records or a statistically valid sample of such records, on a prospective basis, not to exceed a consecutive three-month period. The actual call detail records will be used to statistically substantiate the interstate percentage provided to the Company and the process by which it is developed. Such call detail records shall consist of call information, including call terminating address (i.e., called number), call duration, the trunk group number(s), or access line number(s) over which the call is routed and the point at which the call enters the customer's network. The Company will not request such data more than once a year.
- e. If quarterly reports are not supplied by the customer, the following steps will be taken by the Company:
 - (1) If the customer does not supply the reports, the Company will assume the PIU factors to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Company will assume the PIU factors to be the same as those provided in the order for service as set forth in B., preceding. In any case, the Company reserves the right to request actual call detail supporting the customer's reported PIU, as specified preceding.
 - (2) If a quarterly report has never been received from the customer, and the customer failed to report a PIU in the order for service, the Company will designate a fifty percent (50%) interstate percentage beginning with the next billing period. This interstate percentage will be applied until a quarterly PIU report is submitted.

NOTICE

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

C. Jurisdictional Reports (Cont'd)

2. Percent Other Message (POM) Factor

The customer-provided POM factor will apply to CCSAC ISUP Call Set-up requests only, and will be used until the customer reports a different projected POM factor based on the following guidelines:

- a. The customer may update the POM factor via jurisdictional report on a quarterly basis. The customer shall report the POM factor for each State. The customer shall forward to the Company a revised report, to be received no later than fourteen (14) days after the first of January, April, July and October. The revised report shall show the POM factor for the most current data available. This data shall consist of at least three (3) and no more than twelve (12) consecutive months of data, ending no more than seventy-five (75) days earlier than the date the report is due (e.g., for the report due January 15th, the last month of data should be no earlier than October 31). The updated POM factor shall be based on actual records, defined as either call detail records, call message counts (including incomplete attempts) or signaling message records. The POM factor may be based on a statistically valid sample. The POM factor reported in January, April, July and October will be effective on the bill date of each such month and will serve as the basis for subsequent monthly billing pending the receipt of a revised POM report. If the customer requests the Company to provide data, per the terms of Section 2.3.10.B.6, preceding, the data provided by the Company will comply with the terms of this section.
- b. No prorating or back billing will be done based on the jurisdictional report. However, usage will be billed utilizing the POM percentage that was in effect at the time the usage was generated.
- c. The customer shall maintain and retain the work papers that show how the POM was determined and a summary derived from the actual records for a minimum twelve (12) month period which statistically substantiates each POM provided to the Company. This summary at a minimum shall include month, year and state. If the customer requests the Company to provide data, per the terms of Section 2.3.10.B.6, preceding, the Company will comply with the terms of this Section with respect to the data it provides.

(C)

2. General Regulations

2.3 Obligations Of The Customer

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

C. Jurisdictional Reports

2. Percent Other Message (POM) Factor (Cont'd)

- d. The Company may request the data used to develop the POM, or a statistically valid sample of such data, on a prospective basis, not to exceed a consecutive three-month period. The data will be used to statistically substantiate the POM provided to the Company and the process by which it is developed. Such data shall consist of call or message information of sufficient detail to substantiate the jurisdictional factors provided by the customer. If the Company has provided data, as requested by the customer per the terms of Section 2.3.20.B.6, preceding, this data will not be part of the request and is not the responsibility of the customer. In addition, the customer may request more detailed data used to develop the summary data provided by the Company or a statistically valid sample of such data, on a prospective basis, not to exceed a consecutive three month period. In response to this request the Company will provide data by trunk group.
- e. Except as provided in Section 2.3.10.B.6 where the Company fails to provide requested data, if a quarterly report has never been received from the customer, and the customer failed to report a POM in the order for service, the Company will designate a zero percent (0%) POM beginning with the next billing period. This POM will be applied until a quarterly POM report is submitted.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS (Cont'd)

(D)

(D)

D. Jurisdictional Report Dispute and Auditing Procedures

(T)

If a billing dispute arises concerning the projected interstate percentage, the Company will ask the customer to provide the data the customer uses to determine the projected interstate percentage as described in 1., following.

1. Switched Access Services

- a. If the Company questions the information provided by the customer in C., preceding, the Company will send a letter to the customer (by certified U.S. Mail, return receipt requested) requesting that the customer contact the Company to discuss and explain their report within thirty (30) days of the Company's request.
- b. If no response is received from the customer, the Company will send a letter to the customer (by certified U.S. Mail, return receipt requested) requesting the work papers and summary as described in C., preceding, used by the customer to substantiate the most recent interstate percentage. The requested information must be submitted by the customer to the Company within thirty (30) days after receipt of the certified letter.
- c. If the customer submits the work papers and summary as requested in b., preceding, the Company will review this information within thirty (30) days after receipt of the customer's information.
- d. If after review of the documentation, the Company and the customer establish a revised interstate percentage, the Company will begin using that percentage with the next billing period.
- e. If the Company and the customer do not establish a revised interstate percentage, the Company will begin the procedures as set forth in g., following.
- f. If no response is received from the customer, the Company will begin the auditing procedures as set forth in g., following, and notify the Commission.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

D.1. (Cont'd)

(T)

- g. When jurisdictional reports are not provided by the customer or a billing dispute arises, the Company may request an audit. The audit procedures and responsible party(ies) for payment of audit expenses will be determined as follows:
- If the Company and the customer mutually agree upon an independent Certified Public Accountant (CPA) auditing firm and the party(ies) agree to equally share in the payment of audit expenses, both the Company and the customer will be bound by such agreement; or
 - The customer may select an independent CPA auditing firm and pay all audit expenses.
 - If the audit is not conducted as set forth preceding, the Company may select an independent CPA auditing firm and pay all expenses.
- h. The Company will adjust the customer's PIU based upon the audit results. The PIU resulting from the audit shall be applied to the usage for the quarter the audit is completed, the usage for the quarter prior to completion of the audit and the usage for the two (2) quarters following the completion of the audit. After that time, the customer may report a revised PIU pursuant to C., preceding. The Company will implement the revised interstate percentage to the next billing period or quarterly report date, whichever is first.

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

TRANSMITTAL NO. 14-06-SID

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

D. Jurisdictional Report Dispute and Auditing Procedures (Cont'd)

(T)

2. Access Service Billing

For Access Service Billing (as described in 12.3.5, following) the Company will ask the customer to provide the data the customer uses to determine the projected interstate percentage if a billing dispute arises or a regulatory commission questions the customer-provided interstate percentage. The customer shall supply the data within thirty (30) days of the Company request. The Company will not request such data more than once a year. The customer shall keep records of system design and functions from which the percentage of interstate and intrastate use can be ascertained and, upon request of the Company, make the records available for inspection as reasonably necessary for purposes of verification of the percentages.

3. Jurisdictional Report Proprietary Information

The data the customer provides to the Company to support their interstate percentage is considered proprietary to the customer. The Company agrees to use and protect such information by exercising the same degree of care normally used to protect its own proprietary information.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

D. Jurisdictional Report Dispute and Auditing Procedures (Cont'd)

(T)

4. Contested Audits

- a. When a jurisdictional audit is conducted by the Company or an independent Certified Public Accountant (CPA) auditing firm selected by the Company, the audit results will be furnished to the customer by certified U.S. Mail (return receipt requested). The customer may contest the audit results by providing written notification (by certified U.S. Mail, return receipt requested), to the Company within fifteen (15) calendar days from the date the audit report is furnished to the customer by certified U.S. Mail (return receipt requested). When a jurisdictional audit is conducted by an independent Certified Public Accountant (CPA) auditing firm selected by the customer, the audit results will be furnished to the Company by certified U.S. Mail (return receipt requested). The Company may contest the audit results by providing written notification (by certified U.S. Mail, return receipt requested), to the customer within fifteen (15) calendar days from the date the audit report is furnished to the Company by certified U.S. Mail (return receipt requested).
- b. Contested audits will be resolved by the Company and the customer within thirty (30) days of written notification, or a neutral arbitrator will be mutually agreed upon by the Company and the customer. During the initial thirty (30) day resolution period, the Company and the customer will review the audit process and the data used to calculate the PIU factor in an attempt to resolve the dispute. Should the Company and the customer resolve the dispute on the PIU factor, a neutral arbitrator would not be warranted.
- c. Contested audits will be resolved by a neutral arbitrator mutually agreed upon by the Company and the customer. The arbitration hearing will be conducted in Denver, Colorado or a state and location within the Company operating territory that is mutually agreed upon by both parties. The arbitration proceeding, including the decision rendered, shall be governed by the law (both statutory and case) of the state in which the arbitration hearing is held, including but not limited to the Uniform Arbitration Act as adopted in that state.

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

TRANSMITTAL NO. 14-06-SID

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORTS REQUIREMENTS

D.4. (Cont'd)

(T)

- d. Prior to the arbitration hearing, each party shall notify the arbitrator of the PIU factor which that party believes to be correct. The arbitrator, in deciding, may adopt the PIU factor of either party or may adopt a PIU factor different from those proposed by the parties.
- e. If the arbitrator adopts a PIU factor proposed by one of the parties, the other party (whose PIU factor was not adopted) shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor higher than the PIU factors proposed by both parties, then the party proposing the lower PIU factors shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor lower than the PIU factor proposed by both parties, then the party proposing the higher PIU factor shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor which falls between the two factors proposed by the parties, then the parties shall each pay one-half of the arbitration costs.
- f. Absent written notification, within the time frame as set forth preceding, audit results cannot be contested and the Company will adjust the customer's PIU factor based upon the audit results as set forth in C., preceding.

E. Application of PIU

(T)

When the Access Service is not available in the interstate jurisdiction, the PIU factor must be zero percent (0%).

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

F. Identification and Rating of VoIP-PSTN Traffic

(T)

VoIP-PSTN Traffic is defined as traffic exchanged between a Company end user and the customer in Time Division Multiplexing (TDM) format that originates and/or terminates in Internet Protocol (IP) format. This section governs the identification and compensation of VoIP-PSTN Traffic that is required to be compensated at access rates unless the parties have agreed otherwise by the F.C.C. in its Report and Order in WC Dockets Nos. 10-90, etc., F.C.C. Release No. 11-161 (November 18, 2011) (F.C.C. Order). Specifically, this section establishes the method of separating VoIP-PSTN Traffic from the customer's traditional intrastate access traffic, so that VoIP-PSTN Traffic can be billed in accordance with the F.C.C. Order.

The FCC released its Second Order of Reconsideration in WC Docket No. 10-90, etc., FCC Release No. 12-47 (April 25, 2012) which temporarily modified the compensation of originating VoIP-PSTN Traffic on a prospective basis. Upon receipt, validation and acceptance of the Percent VoIP Usage factor, originating VoIP-PSTN Traffic will be compensated as follows:

- Between the Initial Implementation date described in 2.3.10.G.2 and July 12, 2012, the applicable rate elements used in providing originating access for VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 13, 2012 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to intrastate access rates. The applicable rate elements used in providing originating access for interstate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 1, 2014 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- After the Initial Implementation date described in 2.3.10.G.2, terminating VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

F. Identification and Rating of VoIP-PSTN Traffic (Cont'd)

VoIP-PSTN Traffic and associated facilities identified in accordance with this tariff section will be billed at rates equal to the Company's applicable interstate switched access rates as set forth in CenturyLink Operating Companies F.C.C. No. 11 Tariff when applicable based on the schedule shown above. CenturyLink Operating Companies F.C.C. No. 11 Tariff and may be viewed at

http://www.centurylink.com/tariffs/fcc_cloc_acc_t_no_11.pdf

(T)

(T)

1. Calculation and Application of Percent-VoIP- Usage Factors

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

b. The Company will use state average data and the customer provided Facility PVU to determine the monthly recurring credit for terminating VoIP-PSTN Traffic.

c. The customer will calculate and furnish to the Company an originating PVU factor representing the whole number percentage of the customer's total originating intrastate access MOU that the customer exchanges with the Company in the State that is received from the Company and that is terminated in IP format and that would be billed by the Company as intrastate access MOU.

(C)

d. The customer will calculate and furnish to the Company a terminating PVU factor representing the whole number percentage of the customer's total terminating intrastate access MOU that the customer exchanges with the Company in the State that is sent to Company and which originated in IP format and that would be billed by the Company as intrastate access MOU.

(C)

e. The customer shall not modify their reported PIU factor to account for VoIP-PSTN Traffic.

f. The customer will calculate and furnish to the Company a Facility PVU factor representing the whole number percentage of the customer's total monthly recurring switched transport charges that are associated with the intrastate access MOU included in the PVU factor.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

F. Identification and Rating of VoIP-PSTN Traffic

1. Calculation and Application of Percent-VoIP- Usage Factors (Cont'd)

- g. Both the customer provided originating PVU and the terminating PVU shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g. as reported on F.C.C. Form 477), traffic studies, actual call detail or other relevant and verifiable information which will be provided to the Company upon request.
- h. The customer shall retain the call detail, work papers, and information used to develop the PVU factors for a minimum of one year.
- i. If the Customer does not furnish the Company with a PVU factor, the Company will utilize a PVU equal to zero.

2. Initial Implementation of PVU Factors

- a. If the PVU factors cannot be implemented in the Company's billing systems by December 29, 2011, once the factors can be implemented the Company will adjust the customer's bills to reflect the PVU factors prospectively in the next bill period if the PVU factors are provided by the customer to the Company prior to April 15, 2012.
- b. The Company may choose to provide credits based on the reported PVU factors on a quarterly basis until such time as the billing system modifications can be implemented.

3. PVU Factor Updates

The customer may update the PVU factors quarterly using the method set forth in 1.c, preceding. If the customer chooses to submit such updates, it shall forward to the Company, no later than 15 days after the first day of January, April, July and/or October of each year, revised PVU factors based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factors will serve as the basis for future billing and will be effective on the bill date of each such month and shall serve as the basis for subsequent monthly billing until superseded by new PVU factors. No prorating or back billing will be done based on the updated PVU factors.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

F. Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(T)

4. PVU Factor Verification

- a. Not more than twice in any year, the Company may request from the customer an overview of the process used to determine the PVU factors, the call detail records, description of the method for determining how the end user originates and terminates calls in IP format, and other information used to determine the customer's PVU factors furnished to the Company in order to validate the PVU factors supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Company's request.
- b. The Company may dispute the Customer's PVU factor based upon:
 - A review of the requested data and information provided by the customer, or customer's refusal to provide the data and information to support the PVU factors.
 - The Company's reasonable review of other market information, F.C.C. reports on VoIP lines, such as F.C.C. Form 477 or state level results based on the F.C.C. Local Competition Report or other relevant data.
 - A change in the reported PVU factor by more than five percentage points from the preceding quarter.
- c. If after review of the data and information, the customer and the Company establishes revised PVU factors, the Company will begin using those revised PVU factors with the next bill period.

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

TRANSMITTAL NO. 14-06-SID

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.10 JURISDICTIONAL REPORT REQUIREMENTS

F. Identification and Rating of VoIP-PSTN Traffic

4. PVU Factor Verification (Cont'd)

(T)

- d. If the dispute is unresolved, the Company may initiate an audit. The Company shall limit audits of the customer's PVU factor to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the customer.
- In the event that the customer fails to provide adequate records to enable the Company or an independent auditor to conduct an audit verifying the customer's PVU factors, the Company will bill the usage and associated facilities for all contested periods using the most recent undisputed PVU factors reported by the customer. If no undisputed PVU factors exist, then PVU factors of zero percent will be used for all contested periods. These PVU factors will remain in effect until the audit can be completed.
 - During the audit, the most recent undisputed PVU factors from the previous reporting period will be used by the Company.
 - The Company will adjust the customer's PVU factors based on the results of the audit and implement the revised PVU in the next billing period or quarterly report date, whichever is first. The revised PVU factors will apply for the next two quarters before new factors can be submitted by the customer.
 - If the audit supports the customer's PVU factors, the usage for the contested periods will be adjusted to reflect the customer's audited PVU factors.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 DETERMINATION OF INTRASTATE CHARGES FOR MIXED INTERSTATE AND INTRASTATE ACCESS SERVICE

A. PIU

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional feature charges, will be prorated between interstate and intrastate for all Access Service except Access Service Billing. The PIU factor provided in the jurisdictional reports as set forth in 2.3.10, preceding, will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

1. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated catalog rate per element. In the event that the customer has provided a separate percent interstate use for terminating access for FGD, the projected PIU factor for originating access minutes of use will be used to determine the apportionment of charges.
2. For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Company assumed average use) times the stated rate. The PIU factor will change as revised usage reports are submitted as set forth in 2.3.10, preceding.

B. CCSAC PIU and POM

The CCSAC PIU and POM reports as set forth in 2.3.10, preceding, will serve as the basis for prorating the charges. The percentage of a CCSAC rate element to be charged as intrastate is applied in the following manner:

1. For the following chargeable rate elements: CCSAC Entrance Facility, Direct Link Transport, CCS Links, STP Port, Multiplexing, TCAP message charges, and all nonrecurring charges; multiply one hundred percent minus the CCSAC PIU times the quantity of chargeable elements times the stated Tariff rate per element.

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER

2.3.11 DETERMINATION OF INTRASTATE CHARGES FOR MIXED INTERSTATE AND INTRASTATE ACCESS SERVICE

B. CCSAC PIU and POM (Cont'd)

- 2. For chargeable rate elements associated with ISUP Call Set-up requests, multiply the percent intrastate use (100 minus the sum of the CCSAC PIU plus the CCSAC POM) times the actual use times the stated Tariff rate.

The CCSAC PIU and POM factors will change as revised declarations are submitted as set forth in 2.3.10, preceding.

- C. When mixed interstate and intrastate Access Service Billing is provided, the jurisdiction of the service is determined in accordance with 2.3.12, following. If the Access Service Billing is determined to be an intrastate service, 100 percent of all appropriate charges of this Catalog will apply. If the Access Service Billing is determined to be an interstate service, 100 percent of the interstate charges, as specified in the Company's Interstate Access Service Tariff F.C.C. No. 11, will apply. (T)

2.3.12 DETERMINATION OF JURISDICTION FOR MIXED INTERSTATE AND INTRASTATE ACCESS SERVICE BILLING

- A. When an Access Service Bill (as described in 12.3.5, following) contains both interstate and intrastate billing, the jurisdiction will be determined as follows:

- 1. If the customer's estimate of the interstate charges on the bill constitutes ten percent or less of the total charges on that bill, the bill will be provided in accordance with the applicable rules and regulations of this catalog.
- 2. If the customer's estimate of the interstate charges on the bill constitutes more than ten percent of the total charges on that bill, the bill will be provided in accordance with the appropriate interstate rules and regulations specified in the Company's Interstate Access Service Tariff F.C.C. No. 11. (T)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.13 DETERMINATION OF THE CUSTOMER OF RECORD WHEN SWITCHED ACCESS SERVICE CONNECTS TO EXPANDED INTERCONNECTION SERVICE

The customer of record for Switched Access Service and the customer of record for EI Service may be different. The customer of record is determined as set forth following:

- If the interexchange carrier uses an interconnector's services, the interconnector may order Switched Access Service and EI Service in its own name in which case the interconnector will be the customer of record for both services.
- If the interconnector orders Switched Access Service as an agent for the interexchange carrier, the interexchange carrier will be the Switched Access Service customer of record for the Switched Access Services[1] and the interconnector will be the EI Service customer of record.
- If the interexchange carrier orders the Switched Access Service directly, the interexchange carrier will be the Switched Access Service customer of record[1] and the interconnector will be the EI Service customer of record.
- If the interconnector designates a different customer of record for the EICT[1], the designated EICT[1] customer of record must provide the Company with a letter of authorization (LOA). The EICT[1] will be ordered and billed in its entirety to the designated customer of record. The Switched Access Service connected to the EICT[1] may be ordered and billed to either the Switched Access Service customer of record, the designated EICT[1] customer of record or the EI Service customer of record.

[1] When a Section 6 CO multiplexing optional feature connects to an EICT, the multiplexing option is billed in its entirety to the customer of record for the EICT (i.e., the EI Service customer of record or the designated EICT customer of record).

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.14 DETERMINATION OF THE CUSTOMER OF RECORD WHEN SWITCHED ACCESS SERVICE UTILIZES TANDEM SIGNALING INFORMATION

The customer of record for FGD Service and the customer of record for an Entrance Facility (EF) and a Direct-Trunked Transport (DTT) facility equipped with Tandem Signaling Information (TSI) may be different as set forth following:

- A Tandem Service Provider (TSP) may order in its own name originating and/or terminating FGD Service, an EF and a DTT facility equipped with TSI, in which case the TSP is the customer of record for all rates and charges between the Company end office and the TSP's premises.
- If a customer other than a TSP, orders originating FGD Service directly, that customer is the customer of record for all recurring usage rate elements (e.g., LS and CCL) associated with originating FGD Service via a DTT facility equipped with TSI (between the Company end office and the Company SWC of the TSP's tandem premises) and the FGD nonrecurring charges. The TSP is the customer of record for the EF recurring and nonrecurring rate elements and the DTT recurring rate element when the DTT facility is equipped with TSI between the Company end office and the Company SWC of the TSP's premises.
- If a TSP orders originating FGD Service as an agent of the customer, that customer is the customer of record for all recurring usage rate elements (e.g., LS and CCL) associated with originating FGD Service via a DTT facility equipped with TSI (between the Company end office and the Company SWC of the TSP's tandem premises) and the FGD nonrecurring charges. The TSP is the customer of record for the EF recurring and nonrecurring rate elements and the DTT recurring rate element when the DTT facility is equipped with TSI between the Company end office and the Company SWC of the TSP's premises.
- For one-way provisioned terminating FGD Service between the Company end office and the TSP's premises, the TSP is the customer of record and is responsible for ordering terminating FGD Service for their customer. The customer, at their request, may choose to have the rates and charges for terminating FGD Service billed to them directly or enter into a bill data arrangement with the Company to bill the IC customer.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS

A. Deposits

1. The Company, in accordance with the "The Telephone Customer Relations Rules", may require an applicant for service or a present customer which has a proven history of late payments to the Company or does not have established credit with the Company, to make and keep intact a deposit prior to or at any time after the provision of a service to the customer to be held by the Company. No such deposit will be required of a customer which is a successor of a company which has established credit with the Company and has no history of late payments to the Company.

The fact that a deposit has been made shall in no way relieve the customer from complying with the regulations of the Company as to advance payments and the prompt payment of bills on presentation, nor constitute a waiver or modification of the regular practices of the Company providing for the discontinuance of service for nonpayment of any sums due the Company for service rendered.

2. The Company adopts by reference "The Telephone Customer Relations Rules", codified at IDAPA 31.41.01000 et seq, by the Idaho Public Utilities Commission and all amendments to those rules which may be hereafter adopted by the Idaho Public Utilities Commission. Copies of these Rules are on file in every Business Office and are available for public inspection.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS

A. Deposits (Cont'd)

3. Interest will be payable on all deposits at the rate determined by the I.P.U.C. pursuant to Commission rule IDAPA 31.41.01106. Interest will accrue from the date of the deposit until the date of refund or application to the customer's telephone bill.
4. The deposit will be returned to the customer within eighteen (18) months after the customer has established good credit.
5. If, however, the average charge exceeds \$100 per month, the Company may retain the deposit longer than 18 months.

B. Advance Payments

1. In accordance with the Company's practice of requiring that all regularly recurring charges for services be paid monthly in advance, an applicant for service may be required to pay in advance at the time application for service is made, the Nonrecurring Charges applicable, together with at least one month's charges for the services applied for, and where necessary, in the opinion of the Company, the estimated amount of construction charges.
2. The amount of the advance payment will be credited to the customer's account and applied to any indebtedness under the contract for service furnished, and for Nonrecurring Charges.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS (Cont'd)

- C. The Company shall bill on a current basis all charges incurred by and credits due to the customer under this document attributable to services established or discontinued during the preceding billing period. In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government, which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this document), the period of service each bill covers and the payment date will be as follows:
1. The Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges for the ensuing billing period and any known unbilled nonusage sensitive charges. Any known unbilled usage charges for prior periods and any known unbilled adjustments will also be applied to this bill. Payment for such bills is due as set forth in 2., following. If payment is not received by the payment due date, as set forth in 2., following, in immediately available funds, a late payment penalty will apply as set forth in 3., following.
 2. All bills provided to the customer by the Company as set forth in 1., preceding, are due (payment date) and are payable in immediately available funds by the next bill date (i.e., same date in the following month as the bill date). If such payment date would cause payment to be due on a Saturday, Sunday or holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, Veterans Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:
 - If such payment due date falls on a Sunday or on a holiday which is observed on Monday, the payment date shall be the last non-holiday day following such Sunday or holiday. If such a payment date falls on a Saturday or on a holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-holiday day preceding such Saturday or holiday.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS

C. (Cont'd)

3. Further, if any portion of the payment is received by the Company after the payment date as set forth in 2., preceding, or if any portion of the payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty shall be due to the Company. The late payment penalty applies only to ICs. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late factor shall be the lesser of:
 - a. The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company, or
 - b. 0.000407 per day, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company.

4. In the event of a billing dispute, the customer must submit a documented claim for the disputed amount. If the claim is submitted within ninety (90) days of the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the bill payment date. If the customer submits a claim for this disputed amount more than ninety (90) days from the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the later of the date the claim was submitted, or the bill payment date. Any undisputed amounts withheld by the customer in conjunction with disputed amounts withheld, shall be subject to the late payment penalty, as set forth in 3., preceding. The Company will resolve the dispute and assess interest credits or penalties to the customer as follows:

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS

C.4. (Cont'd)

- If the dispute is resolved in favor of the Company and the customer has paid the disputed amount on or before the payment due date, no interest credits or penalties will apply.
- If the dispute is resolved in favor of the Company and the customer has withheld the disputed amount, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty as set forth in 3. preceding.
- If the dispute is resolved in favor of the customer and the customer has withheld the disputed amount, no interest credits or penalties will apply.
- If the dispute is resolved in favor of the customer and the customer has paid the disputed amount, the customer will receive an interest credit from the Company for the disputed amount times a late factor. The late factor shall be the lesser of:
 - The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with 4. preceding, to and including the payment due date (as set forth in 2. preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.
 - 0.000407 per day, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with 4. preceding, to and including the payment due date (as set forth in 2. preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS (Cont'd)

- D. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this document will be prorated to the number of days or major fraction of days based on a thirty (30) day month. The Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.
- E. When a rate as set forth in this document is shown to have more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).
- F. When more than one copy of a customer bill for services provided under the provisions of this document is furnished to the customer, an additional charge applies for each additional copy of the bill as set forth in 12.3.5, following.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.2 MINIMUM PERIODS

The minimum period for which services are provided and for which rates and charges are applicable is one month unless otherwise specified.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

- A. When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
- B. When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

2.4.3 CANCELLATION OF AN ORDER FOR SERVICE

Provisions for the cancellation of an order for Access Service are set forth in Section 5, following.

2.4.4 CANCELLATION FOR CAUSE

The Company, by written notice to the customer, may immediately discontinue the furnishing of Access Service without incurring any liability upon:

- Nonpayment of any sum due the Company, or
- A violation of any condition governing the furnishing of service.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS

A. General

A service is interrupted when it becomes unusable to the customer because of a failure of one or more facility components used to furnish service under this document or in the event that the protective controls applied by the Company result in the complete loss of service by the customer as set forth in 6.5.1, following. An interruption period starts when an inoperative service is reported to the Company, and ends when the service is operative excluding the following:

- customer requested monitoring and
- other times when the service or customer's premises is not available for testing or repair of the service.

Reports of an inoperative service will be taken only from the customer of record for that particular service.

B. When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS

B. When a Credit Allowance Applies (Cont'd)

1. For Switched Access Service (including CCSAC) other than Entrance Facilities and Direct-Trunked Transport Facilities, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of (a) any applicable monthly rates or (b) the assumed minutes of use charge for each period of 24 hours or fraction thereof that the interruption continues.
2. For Switched Access Entrance Facilities, Direct-Trunked Transport Facilities and any optional multiplexing arrangements associated with such facilities, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for each period of 30 minutes or major fraction thereof that the interruption continues. The monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service (i.e., Entrance Facility, Direct-Trunked Transport Facility and Multiplexer) that is inoperative.
3. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed (a) any applicable monthly rates or (b) the assumed minutes of use charge for the service interrupted in any one monthly billing period.
4. Service interruptions for Specialized Service or Arrangements provided under the provisions of Section 11. following, shall be administered in the same manner as those set forth herein unless other regulations are specified with the individual case filing.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS

B. When a Credit Allowance Applies (Cont'd)

5. For EI Service, no credit shall be allowed for an interruption of the EICT of less than four hours. The customer shall be credited for an interruption of four hours or more at the rate of 1/180 of the monthly charges for only the EICTs for each period of four hours or major fraction thereof that the interruption continues.

C. When a Credit Allowance Does Not Apply

No credit allowance will be made for:

1. Interruptions caused by the negligence of the customer.
2. Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
3. Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
4. Interruptions of a service when the customer has released that service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in B., preceding, applies.
5. Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in 5.1.3, following for Special Construction. The period for which no credit allowance is made begins on the seventh day after the customer receives the Company's written notification of the need for such replacement and ends on the day after receipt by the Company of the customer's written authorization for such replacement.
6. Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
7. Periods of temporary discontinuance as set forth in 2.2.1, B., preceding.
8. Periods of interruption as set forth in 12.3.1, following.
9. An interruption or a group of interruptions, resulting from a common cause, that would amount to an adjustment of less than one dollar.

NOTICE

**THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.
TRANSMITTAL NO. 13-01-SID**

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

D. Use Of An Alternative Service Provided By The Company

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

E. Temporary Surrender Of A Service

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

2.4.6 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER OCCURRENCE

A. Nonrecurring Charges Do Not Apply

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

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

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.6 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER OCCURRENCE (Cont'd)

B. Nonrecurring Charges Apply

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

2.4.7 TITLE OR OWNERSHIP RIGHTS

The payment of rates and charges by customers for the services offered under the provisions of this document does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Company in the provision of such services.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

The Multiple Exchange Carriers Access Billing Guidelines (MECAB) and the Multiple Exchange Carriers Ordering and Design Guidelines (MECOD) are the standards on which the regulations in the following paragraphs are based. These standards determine the ordering, rating and billing for Access Services when the service is provided by more than one Exchange Telephone Company.

All information necessary for billing, ordering and design coordination will be provided based on the standards in the MECAB and MECOD guidelines to ensure that jointly provided Access Services are installed, tested and turned up in a timely manner.

A. Feature Group A Switched Access Service

1. The ordering, rating and billing of Feature Group A Switched Access Service will be based on revenue-sharing agreements between the Exchange Carriers jointly providing the service.
2. For Feature Group A Switched Access Service, the Exchange Telephone Company in whose territory the first point of switching is located will accept the order. In addition, the Exchange Telephone Company in whose territory the customer's POT is located must also receive a copy of the order from the customer.
3. The Exchange Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service document.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED (Cont'd)

B. Feature Groups B, C and D Switched Access Service

When more than one Exchange Telephone Company is involved in the provision of Access Service, the customer requesting initial service will be notified in writing at least thirty (30) days prior to the initial billing date which Exchange Telephone Company's set of terms and conditions apply, and of the billing arrangement for any jointly-provided Access Service ordered. Customers requesting additional service will not be notified unless a change in the existing billing arrangement is made. In the event of a change in the existing billing arrangement, the customer will be notified in writing at least thirty (30) days prior to the date when the Exchange Telephone Companies involved in the provision of Access Service agree to change from one billing arrangement to another. Notification will also include the customer's method of payment.

1. Each Exchange Telephone Company involved shall receive a copy of the order. The Exchange Telephone Company that accepts the order and/or bills the customer is determined as follows:
 - a. FGB, FGC and FGD Ordered to an End Office - The Exchange Telephone Company where the end office is located will accept the order and bill the customer.
 - b. FGB, FGC and FGD Ordered to an Access Tandem - The Exchange Telephone Company that owns the access tandem will accept the order. The Exchange Telephone Company that owns the end office(s) that subtend the access tandem will bill the customer.
 - c. FGD Service ordered to a customer-provided tandem - The Exchange Telephone Company in whose territory the customer-provided tandem resides will accept the order. The Exchange Telephone Company that owns the equal access end office(s) that subtend the customer-provided tandem will bill the customer in accordance with the customer of record determination as set forth in 2.3.14, preceding.

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

B. Feature Groups B, C and D Switched Access Service (Cont'd)

2. Upon agreement between the Exchange Telephone Companies involved, a single bill will be rendered to the customer. The Exchange Telephone Company rendering the bill is the Exchange Telephone Company as determined in 1., preceding. There are three single bill alternatives that the Exchange Telephone Companies may agree to provide and are described following. There are payment options with Alternatives No. 1 and 2. In the first payment option, the Exchange Telephone Companies can require the customer to remit payment via a single check to the bill rendering Exchange Telephone Company. In the second payment option, the Exchange Telephone Companies can require the customer to remit payment via multiple checks to all of the Exchange Telephone Companies jointly provisioning the Access Service to the customer.

a. Alternative No. 1[1]

The Exchange Telephone Company that will render the single bill will separately identify the rates and charges of each Exchange Telephone Company involved. The billing Exchange Telephone Company will maintain and administer in its billing system the applicable rates and charges for all of the involved Exchange Telephone Companies. The Exchange Telephone Companies not rendering the single bill will provide the interpretation and application of their document to the billing Exchange Telephone Company.

b. Alternative No. 2[2]

The Exchange Telephone Company that will render the single bill will receive a prepared bill from each involved Exchange Telephone Company. For Switched Access Service, the billing Exchange Telephone Company will receive prepared bills without usage data. The billing Exchange Telephone Company will then apply usage data to the bills, calculate the charges and combine all of the bills into one bill. For usage rated services, the billing Exchange Telephone Company and the non-billing Exchange Telephone Company will use the same amount of usage on the bill.

[1] Also termed Single Bill - Multiple Document

[2] Also termed Single Bill - Pass Through

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

B.2. (Cont'd)

c. Alternative No. 3[1]

The Exchange Telephone Company that will render the single bill will include in its rates and charges the costs of each Exchange Telephone Company involved and will bill for the entire Access Service(s) ordered. For usage rated services, the billing Exchange Telephone Company and the non-billing Exchange Telephone Company will use the same amount of usage on the bill.

The rates and charges for each Exchange Telephone Company are based upon billing percentages. These billing percentages are agreed upon by each Exchange Telephone Company.

The customer will receive from the non-billing Exchange Telephone Company a written agency agreement authorizing payment to the billing Exchange Telephone Company.

3. If the Exchange Telephone Companies involved cannot agree upon a single bill alternative, then each Exchange Telephone Company will render a separate bill to the customer. This billing arrangement is described in 4., following.
4. When the Exchange Telephone Companies involved agree to render separate bills, the following regulations apply:
 - a. Each Exchange Telephone Company involved will accept the order from the customer.
 - b. Each Exchange Telephone Company will provide the portion of the Transport element in its operating territory and will bill the charges in accordance with its Access Service Tariff/document. All other appropriate charges in each Exchange Telephone Company's document are applicable.
 - c. Each Exchange Telephone Company will render bills for nonrecurring charges as they are incurred. Bills for recurring rates will not be rendered until the service ordered can be provided by all of the Exchange Telephone Companies involved.

[1] Also termed Single Bill - Single Document

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

B.2. (Cont'd)

- d. Each Exchange Telephone Company will determine the appropriate Transport by computing the airline mileage between the two ends of the Transport element using the V&H method as set forth in 6.7.10, following.
- e. Each Exchange Telephone Company will determine the rate for the airline mileage determined in d., preceding, using the Company's document. Multiply such rate by the Company's billing percentage factor and divide by 100 to obtain the Transport element charges.

C. The billing percentages will be determined by the Exchange Telephone Companies involved.

D. When jointly provisioned Switched Access Service is provided between the Company and another Exchange Telephone Company, the appropriate Switched Access recurring rates will be applied based on the type of Switched Transport provided, Tandem-Switched Transport (TST) or Direct-Trunked Transport (DTT). Tandem 3rd Party rates apply to Terminating Traffic Types between the Company and another Exchange Telephone Company that is not a CenturyLink Operating Company (CLOC) ILEC. (C)
(N)
|
(N)

For Switched Access Service provisioned as TST, the appropriate Switched Access recurring rates for Terminating – Tandem 3rd Party or Originating will be applied as follows: 1) multiply the Tandem Transmission fixed rate by the minutes of use (MOU) by the billing percentage (BP), 2) multiply the Tandem Transmission per-mile rate by the number of miles, by the MOU by the BP, and 3) all other appropriate Switched Access recurring rate elements at 100 percent, if applicable. (C)

For Switched Access Service provisioned as DTT, the recurring rates will be applied as follows: 1) multiply the monthly Transport Channel fixed rate by the BP, 2) multiply the monthly Transport Channel per-mile rate by the number of miles, by the BP, and 3) all other appropriate Switched Access recurring rate elements at 100 percent, if applicable.

The Exchange Telephone Company that owns the access tandem will assess the appropriate access tandem Terminating – Tandem 3rd Party or Originating recurring rates at 100 percent. The Exchange Telephone Company that owns the end office will assess the appropriate end office recurring rates at 100 percent. (C)

Qwest Corporation d/b/a CenturyLink QC

**Access Service
Catalog**

SECTION 2

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Release 3

Idaho Public Utilities Commission

Office of the Secretary

ACCEPTED FOR FILING

July 1, 2017

Boise, Idaho

SOUTHERN IDAHO

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED (CONT'D)

- E. When jointly provisioned Switched Access Service is provided and the Company is the intermediate non-terminating carrier, only the recurring Tandem Transmission per-mile rate for Terminating – Tandem 3rd Party or Originating or DTT per-mile rate for Switched Access Service will apply. The Tandem Transmission Originating Tandem Transmission Terminating – Tandem 3rd Party per-mile rate or DTT per-mile rate will be determined by multiplying the appropriate rate by the MOU by the number of miles, by the BP. The DTT per-mile rate will be determined by multiplying the appropriate DTT per-mile monthly rate by the number of miles by the BP. If the Company provides the access tandem, all appropriate access tandem 3rd Party recurring rates will apply at 100 percent. (C)
- F. When jointly provisioned Access Service is provided between the Company and another Exchange Telephone Company, or when the Company is the intermediate non-terminating carrier, the appropriate nonrecurring charges shall apply. The BP is not applied to nonrecurring charges. (C)

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

TRANSMITTAL NO. 17-05-SID

2. GENERAL REGULATIONS

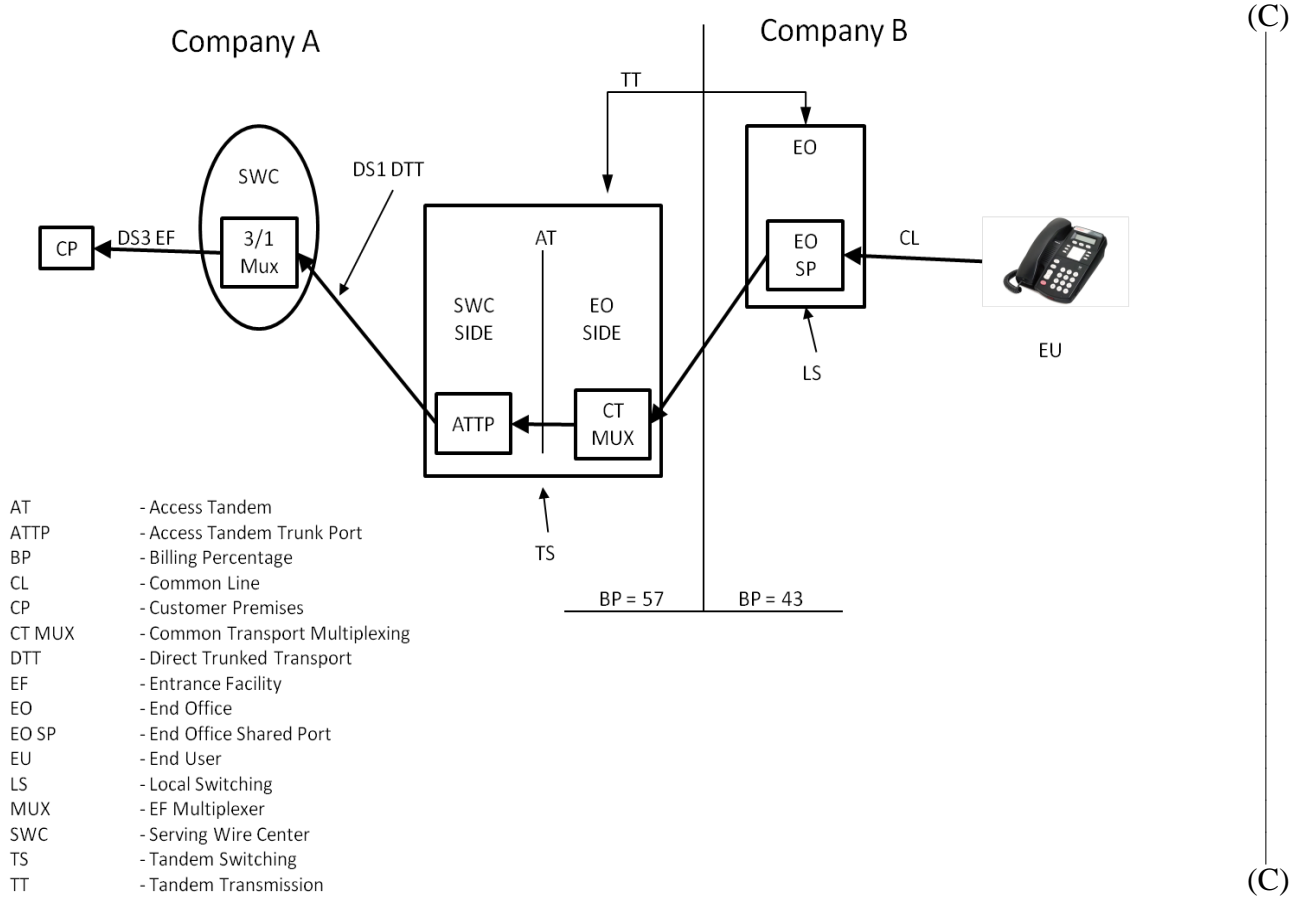
2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED (Cont'd)

- G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (T)

Feature Group D Access Service Ordered

Example 1 (N)



2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (Cont'd) (T)

1. Example 1 Layout (C)

a. Originating Feature Group D Switched Access is ordered to an end office via DTT and TST. Originating rates would apply. (C)

b. The premises of ordering customer, the serving wire center (SWC) of that premises, and the access tandem are in operating territory of Company A. (C)

c. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 MUX in the SWC.

d. The customer orders a DS1 DTT to the AT.

e. The BP for TT is 57 for Company A. (C)

f. The end office is in the operating territory of Company B. (C)

g. The BP for transport is 43 for home Company B. (C)

2. Rate elements assessed per Company (C)

a. Company A (C)

Entrance Facility - 100% of DS3 monthly Entrance Facility rate and 3/1 MUX

DS1 DTT - 100% of DS1 monthly DTT rate

ATTP - 100% of ATTP monthly rate

Tandem Switching - MOU rate X MOU

Common Transport MUX - MOU rate X MOU

Tandem Transmission - Fixed rate X MOU X BP

Tandem Transmission - Per-mile rate X number of miles X MOU X BP

b. Company B (C)

Tandem Transport - Transport rate X MOU X BP

Local Switching - MOU rate X MOU

End Office Shared Port - MOU rate X MOU

Carrier Common Line - MOU rate X MOU

2. GENERAL REGULATIONS

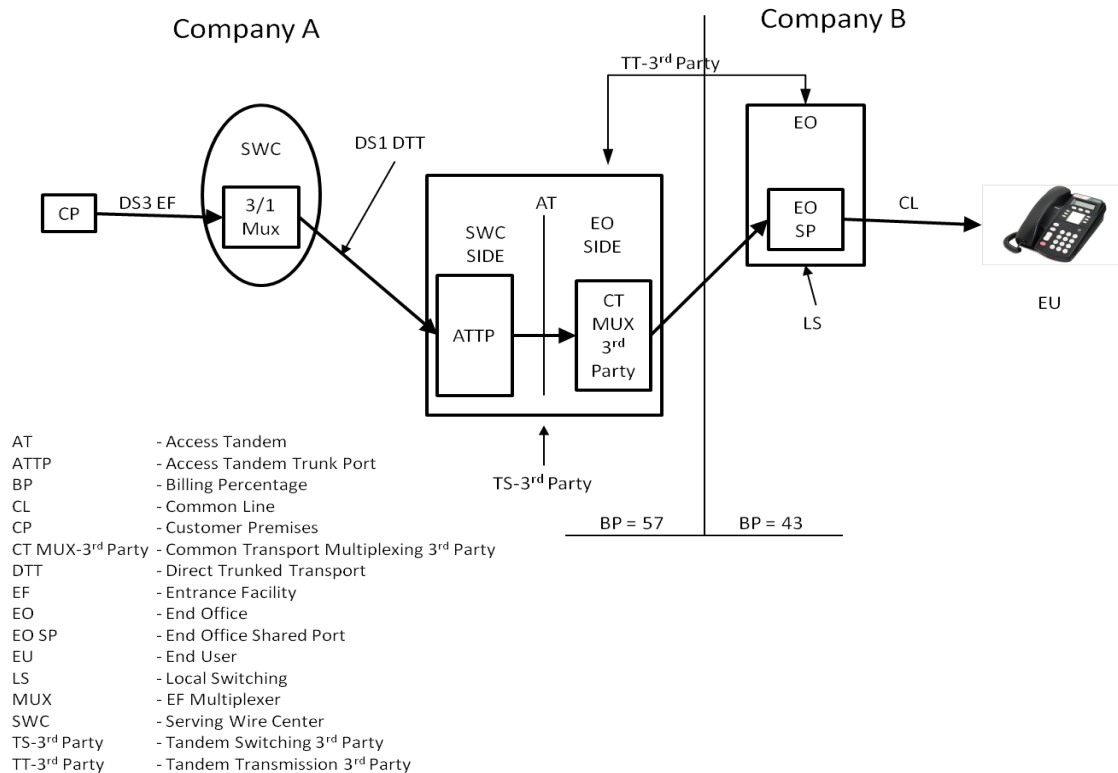
2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (Cont'd)

Feature Group D Access Service Ordered

Example 2



(N)

(N)

Qwest Corporation d/b/a CenturyLink QC
Access Service
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SECTION 2
Page 50.2
Release 2

Idaho Public Utilities Commission
Office of the Secretary
ACCEPTED FOR FILING
March 12, 2018
Boise, Idaho

SOUTHERN IDAHO
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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (Cont'd)

3. Example 2 Layout

- a. Terminating Feature Group D Switched Access is ordered to an end office via DTT & TST. Terminating – Tandem 3rd Party rates would apply. (T)
- b. The premises of ordering customer, the serving wire center (SWC) of that premises, and the access tandem are in operating territory of Company A.
- c. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 Mux in the SWC.
- d. The customer orders a DS1 DTT to the AT.
- e. The BP for TT is 57 for Company A.
- f. Company B is not a CLOC ILEC.
- g. The end office is in the operating territory of Company B.
- h. The BP for transport is 43 for Company B.

2. GENERAL REGULATIONS

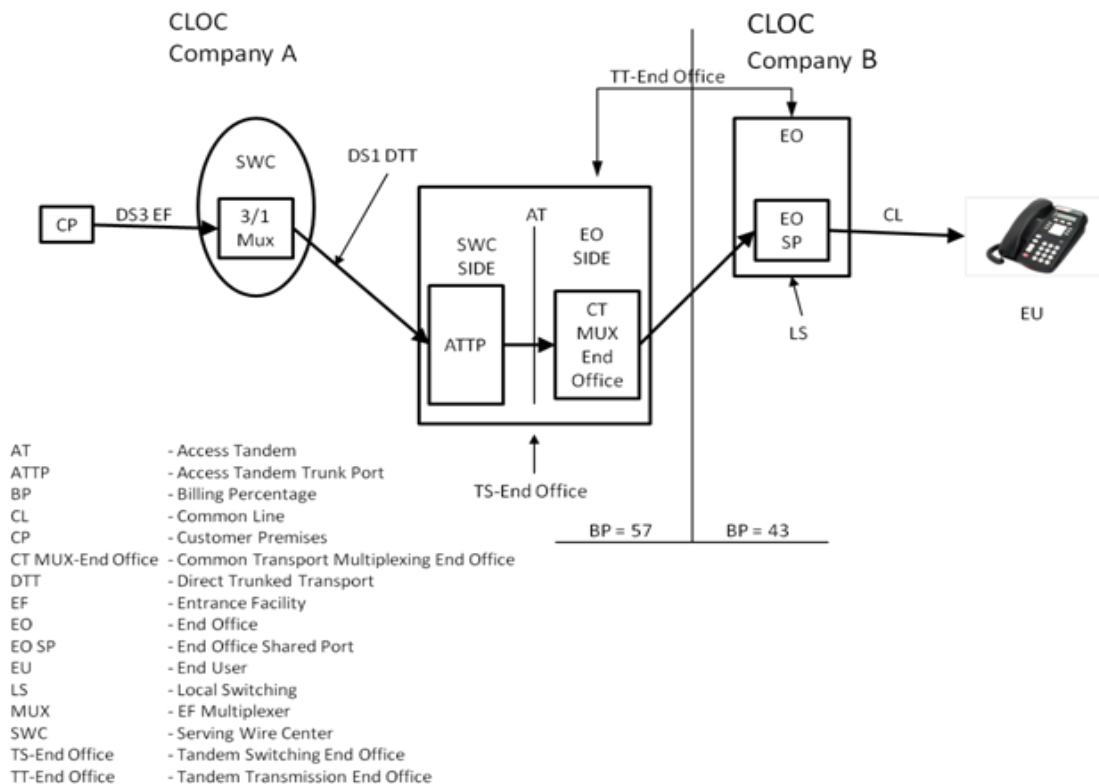
2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (Cont'd)

Feature Group D Access Service Ordered

Example 3



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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY IS INVOLVED

G. Examples - Switched Access provisioned by Direct Trunked Transport and Tandem-Switched Transport (Cont'd)

4. Example 3 Layout

- a. Terminating Feature Group D Switched Access is ordered to an end office via DTT & TST. Terminating – Tandem End Office rates would apply
- b. The premises of ordering customer, the serving wire center (SWC) of that premises, and the access tandem are in operating territory of Company A.
- c. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 Mux in the SWC.
- d. The customer orders a DS1 DTT to the AT.
- e. The BP for TT is 57 for Company A.
- f. Company B is a CLOC ILEC.
- g. The end office is in the operating territory of Company B.
- h. The BP for transport is 43 for Company B.

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.9 ORDERING, RATING AND BILLING OF SWITCHED ACCESS PROVIDED IN CONJUNCTION WITH A COMMERCIAL MOBILE RADIO SERVICE PROVIDER

When Switched Access Service is ordered by a customer in conjunction with a Commercial Mobile Radio Service provider, the Company will provide its portion of the Switched Access Service based on the regulations, rates and charges contained in its Access Service Tariff/document, subject to the following rules.

If the Company and the Commercial Mobile Radio Service provider have agreed to jointly provide the Switched Access Service, the Meet Point Billing provisions as set forth in 2.4.8, preceding, shall determine the ordering, rating and billing for Access Services.

If the Company and the Commercial Mobile Radio Service provider have not agreed to jointly provide the Switched Access Service under the provisions of Meet Point Billing, the Company shall provide the Switched Access Service to the carrier subject to the following rules.

- If the Company provides the Switched Transport and provides end office local switching functions, the customer will be assessed all applicable Switched Access Service rates (i.e., Switched Transport and Local Switching). Carrier Common Line rates will not be assessed.
- If the Company provides the Switched Transport and does not provide end office local switching functions, the Company will assess all applicable Switched Access Service charges, including the Switched Transport Tandem 3rd Party charges.

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The mileage to be used to determine the Switched Transport rate is calculated as set forth in 6.7.10, following.

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2. GENERAL REGULATIONS

2.5 CONNECTIONS

2.5.1 GENERAL

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched Access Service furnished by the Company where such connection is made in compliance with CFR 47 Part 68 of the F.C.C.'s Rules and Regulations (commonly known as the F.C.C.'s Registration Program), and in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1, preceding.

2. GENERAL REGULATIONS

2.6 DEFINITIONS

Certain terms used herein are defined as follows:

Acceptance Limit

Denotes the performance level at which a circuit is placed into service.

Access Code

Denotes a uniform seven digit code assigned by the Company to an individual customer. The seven digit code has the form 950-XXXX or 101XXXX.

Access Minutes

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

Access Service Group (ASG)

Denotes a group of like Access Services ordered to an end office or access tandem switch or to a dial tone office.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Access Tandem (AT)

Denotes a Company or Exchange Telephone Company switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer's POT.

Access Transport Parameter (ATP)

Denotes the SS7 Out of Band Signaling parameter which provides the automatic transmission of information from the originating calling location through the Common Channel Signaling Network. Information supplied using ATP may consist of one or more of the following: Called Party Subaddress; Calling Party Subaddress; High and Low Layer Compatibility and Compatibility Checking by the called party's equipment.

Answer/Disconnect Supervision

Denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's POT as an indication that the called party has answered or disconnected.

Attenuation Distortion

Denotes the differences in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Balance (100 Type) Test Line

Denotes an arrangement in an end office which provides for balance and noise testing.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Business Day (BD)

Denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Company may vary based on company policy, union contract and location.

Busy Hour Minutes of Capacity (BHMC)

Denotes the customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Switched Access Service ordered.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Call

Denotes a customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Calling Party Number (CPN)

Denotes the SS7 Out of Band Signaling parameter which automatically transmits the calling party's ten digit telephone number to the customer's premises for calls originating in the LATA.

Carrier or Common Carrier

See "Interexchange Carrier".

Carrier Selection Parameter (CSP)

Denotes the SS7 Out of Band Signaling parameter which identifies whether the dialing end user accessed the customer's network through a presubscribed line or by dialing the customer's 101XXXX code.

CCS

Denotes a hundred call seconds, which is a standard unit of traffic load measurement that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Central Office (CO)

Denotes a local Company switching system located at a wire center where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

Central Office Prefix

Denotes the first three digits (NXX) of the seven digit telephone number assigned to a customer's Telephone Exchange Service when dialed on a local basis.

Centralized Automatic Reporting on Trunks (CAROT) Testing

Denotes a type of testing which includes the capacity for measuring operational and transmission parameters of usage message circuits.

Charge Number (CN)

Denotes the SS7 Out of Band Signaling parameter which is equivalent to the ten digit ANI telephone number.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

C-Message Noise

Denotes the frequency-weighted short term average noise within an idle voice channel. The frequency weighting, called C-message, is used to account for the variations in 500-type telephone set transducer efficiency and user annoyance, to tones as a function of frequency.

C-Notched Noise

Denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Channelize

See "Multiplexing".

Circuit

Denotes facilities and/or equipment necessary to provide a specific service.

Commercial Mobile Radio Service (CMRS) Provider

Denotes a common carrier as defined by the Federal Communications Commission subject to the Rules set forth in Section 332 of the Communications Act.

Common Channel Signaling Access Capability (CCSAC)

Denotes the interconnection between the Company's CCSN and a customer's CCSN.

Common Channel Signaling Network (CCSN)

Denotes a specialized digital signaling network separate from the regular message (voice) network which interconnects computerized switching systems and has access to special data bases.

Common Line (CL)

Denotes a line, trunk, or other facility terminated on a central office switch.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Communication System

Denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Company.

Contract

Denotes the service agreement between a customer and the Company under which facilities for communication between specified locations, for designated periods, and for the use of the customer and the authorized users specifically named in the contract are furnished in accordance with the provisions of this document.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Customer(s)

Denotes any individual, partnership, association, joint-stock company, trust, corporation, governmental entity or any other entity which subscribes to the services offered under this document based on the Application of Catalog as set forth in 1.1 preceding.

Customer-provided Tandem

Denotes a customer-provided switching system that provides a concentration and distribution function of originating or terminating traffic between a Company equal access end office(s) subtending the customer-provided tandem at the customer's POT.

Decibel (dB)

Denotes a unit of signal power used to express the relationship between two signal powers usually between acoustic, electric or optical signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

Decibel Milliwatt (dBm)

Denotes a unit for expression of power level in decibels relative to one milliwatt.

Decibel Reference Noise (dBrn)

Denotes a unit used to express noise power relative to one picowatt (-90 dBm).

Decibel Reference Noise C-Message Referenced To 0 (dBrnc0)

Denotes noise power in "dBrnc" referred to or measured at a zero transmission level point (0 TLP).

Decibel Reference Noise C-Message Weighting (dBrnc)

Denotes noise power in dBrn measured with C-Message weighting.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Demarcation Point

See Point of Termination (POT)

Design Layout Report (DLR)

A document which describes the circuit provided by the Company and matches the service ordered by the customer.

Detail Billing

Denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Company.

Dial Pulse Address Signaling

Denotes the transmission of number information, e.g., called number, between the end office switching systems and the customer's premises (in either direction) by means of direct current impulses.

Direct-Trunked Transport (DTT)

Denotes the following: (1) the transport between the SWC of the customer's premises and a Company end office, Company Hub or Company access tandem or between a Company Hub and a Company end office or Company access tandem on circuits dedicated to the use of a single customer, without switching at the Company access tandem or, 2) the transport with Tandem Signaling Information (i.e., CIC and OZZ codes or equivalent SS7 parameters) between the SWC of the customer-provided tandem premises and a Company equal access end office subtending the customer-provided tandem or a Company Hub or between a Company Hub and a Company equal access end office subtending the customer-provided tandem.

Dual Tone Multifrequency (DTMF) Address Signaling

Denotes a type of signaling that is an Optional Feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the POT with the customer to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency Signals.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Echo Control

Denotes the control of reflected electrical energy in a telephone transmission path.

Echo Path Loss (EPL)

Denotes the level of reflected signal at a four-wire POT without reference to the send and receive Transmission Level.

Echo Return Loss (ERL)

Denotes a frequency weighted measurement of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

800 Data Base Access Service

Denotes a toll-free originating Trunkside Access Service when the 8XX service access code (i.e., 800, 822, 833, 844, 855, 866, 877 or 888, as available) is used. The terms **8XX and 8YY** are used interchangeably with 800 Data Base Access Service throughout this document to describe this service. (C)

8XX Service Provider.

Denotes a telecommunications company, including Exchange and Interexchange Carriers, that offers 8XX service to subscribers.

End Office Switch

Denotes a local Company switching system where telephone exchange service customer station loops are terminated for purposes of interconnection to trunks. Included are Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

End User (EU)

Denotes any customer of an intrastate telecommunications service that is not a carrier, except that a carrier (other than a Company) shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originates or terminates on the premises of such reseller.

Entrance Facility (EF)

Denotes the dedicated Switched Access transport facility from the customer's premises or point of demarcation to the Company's SWC.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Entry Switch

See First Point of Switching.

Envelope Delay Distortion (EDD)

Denotes the nonlinearity of the phase versus frequency of a channel.

Exchange

Denotes a unit established for the administration of communication service in a specified area which usually embraces a city, town, or village and its environs. It consists of one or more wire centers together with the associated facilities used in furnishing communication service within that area.

Exchange Area

Denotes the territory served by an exchange.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Exit Message (EXM)

Denotes a SS7 message sent to an end office by the Company's access tandem switch or a customer-provided tandem switch to mark the carrier connect time when the Company's access tandem switch or a customer-provided tandem switch sends an Initial Address Message to the IC.

Expected Measured Loss (EML)

Denotes a calculated loss which specifies the 1004-Hz loss between two test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Facility Signaling Point of Interconnection (FSPOI)

The term Facility Signaling Point of Interconnection (FSPOI) denotes a Company designated ordering point within a Company LATA to which customers may establish SS7 Signaling connections.

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First-Come, First-Served

Denotes a procedure followed when the first order received will be the first order processed.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

First Point Of Switching

Denotes the first Company location at which switching occurs on the terminating path of a call proceeding from the customer's premises to the terminating end office and, at the same time, the last Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer's premises.

Frequency Shift

Denotes the change in the frequency of a tone as it is transmitted over a channel.

Grandfathered

Denotes certain services offered in other sections of this document that are provided to existing customers only and not provided to new customers or to existing customers who move from one premises to another.

Host Office

Denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Hub

Denotes a Company designated wire center at which bridging, multiplexing or connections to other services are performed.

Immediate Action Limit

Denotes the performance level at which immediate corrective action is required by maintenance personnel.

Immediately Available Funds

Denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Impedance Balance

Denotes the method of expressing Echo Return Loss and Singing Return Loss at a four-wire interface whereby the gains and/or loss of the four-wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise

Denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed a specified threshold.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Initial Address Message (IAM)

Denotes a SS7 signaling message that contains the address and routing information required to establish a point-to-point telephone connection.

Inserted Connection Loss (ICL)

Denotes the 1004 Hz power difference (in dB) between two points excluding any switching loss.

Integrated Service Digital Network User Part (ISUP)

Denotes protocol that provides the mechanism for establishing the connections from the originating exchange to the destination exchange, without using the bearer circuit itself.

Interexchange Carrier (IC) or Interexchange Common Carrier

Denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communication by wire, fiber optics or radio between two or more exchanges.

Intermodulation Distortion

Denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Interstate Communications

Denotes both interstate and foreign communications.

IntraMTA

The term "IntraMTA" refers to traffic that originates and terminates within a Major Trading Area (MTA) and only applies to wireless providers. MTAs are centered on a major city and generally cover an area the size of a state.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Intrastate Communications

Denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

Intrastate InterLATA Communications

Refers to the conveyance of information from a point of origin in one LATA within the state of Idaho to a termination in another LATA within the state of Idaho regardless of where the communications are routed between the point of origin and point of termination.

Intrastate IntraLATA Communications

Refers to the conveyance of information between points in the same LATA within the state of Idaho regardless of where the communications are routed between these points.

Letter of Authorization (LOA)

Denotes the signed authorization form from a customer or agent designating who has authority to act on behalf of the customer for billing and service related issues.

Lineside Connection

Denotes a connection of a transmission path to the dial tone side of a local exchange switching system.

Line-Type Connection

Denotes a connection between a station at a customer's premises and a CO. These are connected on the dial tone side of the CO.

Local Access and Transport Area (LATA)

Denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Local Calling Area

Denotes a geographical area, as defined in the Company's Basic Local Exchange tariff, in which an end user (telephone exchange service subscriber) may complete a call without incurring MTS charges. This includes Extended Area Service Points.

Local Tandem Switch

Denotes a local Company switching unit by which local or access telephonic communications are switched to and from an End Office Switch.

Loss Deviation

Denotes the variation of the actual loss from the designed value.

Maintenance of Service

Maintenance of Service denotes an occurrence of a visit to a customer's premises in connection with a service difficulty when it is determined that the difficulty is due to a condition in customer-provided facilities, terminal equipment, a communication system or for customer-maintained premises wire. When a Maintenance of Service visit is made, Maintenance of Service Charges will apply.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Message

Denotes a "call" as defined preceding.

Milliwatt (102 Type) Test Line

Denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Company end office.

Mobile Telephone Switching Office (MTSO)

Denotes the switching facility used by a CMRS provider in performing originating and terminating switching functions for calls exchanged between their customers, the Company customers, Interexchange Carriers and Independent Company customers.

Modification of Final Judgment (MFJ)

Denotes the consent decree approved by the U.S. District Court in United States versus Western Electric 552 F. Supp. 171 (To D.C. 1982).

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Multifrequency (MF) Address Signaling

Denotes a signaling method in which a combination of two out of six Voiceband frequencies are used to represent a digit or a control signal.

Multiplexing (MUX)

Denotes a method of concentrating information via signal processing techniques (i.e., frequency division, multiplexing, time division multiplexing, etc.)

Network Control Signaling

Denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating reorder or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

Network Interface (NI)

See Point of Termination (POT).

Non-8YY

All calls that are not toll free (8YY) as established by the FCC's 8YY Access Charge Reform Order (FCC 20-143) released on October 9, 2020.

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Non-Inverting Digital Loopback (108 Type) Test Line

Denotes a termination in a digital Company switch location to conduct digital testing of digital services (i.e., 56 kbps, 64 kbps and 64 kbps clear channel).

Nonrecurring Charge

Denotes those charges which are one time charges to the customer, i.e., not monthly charges.

Nonsynchronous Test Line

Denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

North American Numbering Plan (NANP)

Denotes a numbering scheme which includes a three-digit (Numbering Plan Area) code and a seven-digit telephone number which consists of a three-digit CO code plus a four-digit station number.

Off-Hook

Denotes the active condition of Switched Access or a Telephone Exchange Service line.

Office Replacement

Denotes a situation where the hardware and software in a Company switching office is replaced with different hardware and software for the establishment and maintenance of a given switching office.

Ohm

Denotes a unit of electric resistance.

On-Hook

Denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

Denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Originating Direction

Denotes the use of Access Service for the origination of calls from an end user's premises to a customer's premises.

Pay Telephone

Denotes an instrument provided by a Payphone Service Provider that is available to the general public for public convenience and necessity. Pay telephones utilize Basic and Smart Public Access Line Service provided under the Basic Local Exchange Tariff and the Exchange and Network Services Catalog.

Payphone Service Provider (PSP)

Denotes an entity that controls and incurs the costs of placement and maintenance of pay telephones.

Percent Interstate Use (PIU)

The term "Percent Interstate Use" (PIU) refers to traffic that originates in one state and terminates in a different state.

Phase Jitter

Denotes the unwanted phase variations of a signal.

Point of Termination (POT)

Denotes the point at or near a customer-designated premises at which the Company's responsibility for the provision of Access Service ends.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Premises

Denotes a building, a portion of a building in a multitenant building, or buildings on continuous property (except railroad rights-of-way, etc.) not separated by a public highway. It may also denote a customer-owned enclosure or utility vault located above ground or underground on private property or on customer acquired right-of-way. Except for an end user that offers telecommunications services exclusively as a reseller, this term is not limited to one building, but applies as well to a complex, or campus-type configuration of buildings.

Public Access Line (PAL) Service

Denotes Basic and Smart Public Access Line Service available under the Basic Local Exchange Tariff and the Exchange and Network Services Catalog for use with pay telephones.

Query

Denotes the inquiry to a Company data base to obtain information, processing instructions or service data.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Registered Equipment

Denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

Release Message

Denotes a SS7 message sent in either direction to indicate the release of a specific circuit.

Remote Switching Modules and/or Remote Switching Systems (RSM/RSS)

Denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an ESS-type Host Office. The RSM/RSS cannot accommodate direct trunks to a customer.

Responsible Organization (RESP ORG)

Denotes the entity that is responsible for the management and administration of 800 Data Base Access Service records in the Service Management System according to Guidelines for 800 Data Base.

Return Loss

Denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Service Control Point (SCP)

Denotes the node in the network where several independent data base applications receive and respond to SS7 queries.

Service Management System/800 (SMS/800)

Denotes the main operations support system of 800 Data Base Access Service. It is used to create and update subscriber 8XX records that are then downloaded to SCPs for handling subscribers' 8XX calls (see Service Control Points). The system is also used by 8XX responsible organizations to reserve and assign 8XX numbers.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Service Switching Point (SSP)

Denotes a signal point equipped with the ability to halt call process, formulate and send a SS7 query to a remote location and route the call based on information contained in the response.

Serving Wire Center (SWC)

Denotes the local Company office from which dial tone for local exchange service would normally be provided to the customer's premises.

Seven Digit Manual Test Line

Denotes an arrangement which allows the customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Short Circuit Test Line

Denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

Signal Point (SP)

Denotes an end node in a CCSN. Signal Points can be switches (i.e., end offices and access tandems), data bases or operator service systems that are equipped with CCS.

Signal-to-C-Notched Noise Ratio

Denotes the ratio expressed in dB of a test signal to the corresponding C-Notched Noise.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Signal Transfer Point (STP)

Denotes a switch which provides CCSN access and performs CCSN message routing and screening.

Signal Transfer Point Port (STP PORT)

Denotes the POT on the STP which provides CCSN access.

Signaling

Denotes the process of passing information, identifying the called subscriber or addressee and for supervising and controlling the connection once it has been established.

Signaling System 7 (SS7)

Denotes the signaling protocol in the CCSN.

Singing Return Loss (SRL)

Denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Subtending End Office of a Customer-provided Tandem

Denotes a Company equal access end office that has final trunk group routing through that customer-provided tandem.

Subtending End Office of an Access Tandem

Denotes an end office that has final trunk group routing through that tandem.

Switching System

Denotes the hardware and/or software utilized by the Company for the establishment and maintenance of a given central office.

Synchronous Test Line

Denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Tandem Routed Access

Denotes Switched Access traffic routed to an access tandem trunkside Switched Access trunk.

Tandem Service Provider (TSP)

Denotes any interested third party including competitive access providers, interexchange carriers and end users, requesting Tandem Signaling Information for the purpose of providing tandem switching to carry FGD Service traffic from a Company end office to their own tandem, switch traffic at that point, and deliver the traffic to the appropriate interexchange carrier.

Tandem-Switched Transport (TST)

Denotes the transport between an access tandem and end offices that subtend the access tandem that utilizes tandem switching functions. Tandem-Switched Transport consists of circuits used in common by multiple customers from the tandem to an end office.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Terminating Direction

Denotes the use of Access Service for the completion of calls from a customer's premises to an end user's premises.

Toll VoIP-PSTN Traffic

The term Toll VoIP-PSTN Traffic denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. Toll VoIP-PSTN Traffic originates and /or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

Traffic Type

Denotes one of five Switched Access capacity types, i.e., Originating, Terminating, *SWITCHNET 56* Service, CCC Originating and CCC Terminating. See 6.1.1, following, for application.

Transaction Capabilities Application Part (TCAP)

Denotes the design of non-circuit related messages. TCAP protocol provides a means for reliable transfer of information from one application at a switch location to another application within another network entity.

Transmission Measuring (105 Type) Test Line/Responder

Denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

Denotes an electrical path capable of transmitting signals within the range of the service offering; e.g., a Voiceband transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path comprises physical or derived channels consisting of any form or configuration of facilities typically used in the telecommunications industry.

Trunk

Denotes a communications path common to numerous users.

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Trunk Group

Denotes a set of trunks which function as a unit for the establishment of connections between switching systems in which all of the communications paths are identical.

Trunkside Connection

Denotes the connection of a transmission path to the non-dial tone side of a local exchange switching system.

Trunk-Type Connection

Denotes a connection between a customer-provided switching system and a CO. These are connected on the dial tone side of the CO.

Underground Utility Vault

Denotes an underground enclosure where conduits are terminated and which provides ready access to conduit systems.

V and H Coordinates Method

Denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical (V) and horizontal (H) coordinates of the two points.

(D)
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(D)

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

WATS Serving Office (WSO)

Denotes a Company designated end office switch which is capable of performing routing, screening and recording functions in connection with the closed-end of an 800/800-type call, Outward WATS and similar services. Designation of an end office switch as a WSO is based upon the capability and capacity of the end office switch to provide WATS Access Service Arrangements. WATS Access Service Arrangements and WATS Access Service Options may not all be available at all WATS Serving Offices. WATS Serving Offices are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Wire Center

Denotes a building in which one or more central offices, used for the provision of telephone exchange services, are located.

2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS

Shared Use occurs when the Company allows a customer to utilize the same transport facility for different services. When the same transport facility and the associated options are utilized to provide more than one service, the Company shall apportion the monthly billing of the appropriate transport elements between the shared services.

The rate elements subject to the Shared Use allocation process are the recurring elements assessed for transport facilities only between a customer's premises and the SWC of that premises and the interoffice facilities from the customer's SWC to other wire centers which may include access tandems, end offices, and hubbing locations. Rate elements not associated with transport facilities are not allocated. The nonrecurring installation charges for each service are not apportioned and are assessed except as set forth in this section.

The Shared Use transport facility is ordered and provided as Private Line Transport Service (PLTS) unless otherwise described in this section. The specific Shared Use regulations and/or exceptions are described following:

- DS1 and DS3 PLTS with Switched Access Service is described in 2.7.1,
- EICT with PLTS and Switched Access is described in 2.7.2, and
- Switched Access Service with Common Channel Signaling Access Capability Service (CCSAC) is described in 2.7.3, following.

2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS (Cont'd)

2.7.1 DS1 AND DS3 PLTS WITH SWITCHED ACCESS SERVICE

When DS1 and DS3 PLTS (including a facility to a Hub) is shared between PLTS and Switched Access Service (including CCSAC), the service is ordered, provided and rated as PLTS until the customer chooses to place an order for Switched Access Service. When the customer chooses to use a portion of the available capacity on existing PLTS for providing Switched Access Service, the customer shall place an order for each individual Switched Access Service and specify the channel assignment for the Shared Use facility.

When the PLTS transport facilities are shared with Switched Access Service, the transport recurring PLTS rate elements (e.g., Channel Termination, Transport Channel and multiplexing) as well as the Switched Access Service transport recurring rate elements (e.g., Entrance Facility, Direct-Trunked Transport Facility and/or Direct Link Transport and associated multiplexing), are apportioned based on the total number of channels utilized for each service. The Switched Access rate for DS3 EF Electrical capacity of two or greater or any Optical Interface rate as set forth in Section 6, following, is for the billing of Shared Use only.

The recurring rate elements associated with multiplexing equipment are apportioned based on the number of channels utilized for each service when both Switched and PLTS multiplexing rate elements are chargeable.

When CCSAC Service is ordered on a Shared Use facility, the customer must dedicate, at a minimum, one DS1 facility for that service.

When PLTS facilities are provided from the SWC of the customer's premises to a Company hub and those facilities are shared with Switched Access Service, the appropriate PLTS transport channel mileage rates and the Switched DTT or DLT rates are apportioned. Switched DTT facilities must be provisioned from the Company hub to an access tandem or end office based on whether the customer requests tandem routing or direct routing.

PLTS and Switched Access Service rates elements not associated with transport facilities are not allocated. Following on the next page, is an example of Shared Use allocation.

Appropriate nonrecurring installation charges are assessed on a per-line, per-trunk or per-link basis for Switched Access Service.

2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS

2.7.1 DS1 AND DS3 PLTS WITH SWITCHED ACCESS SERVICE (Cont'd)

Example of Shared Use

- Customer has DS3 PLTS comprised of a DS3 Channel Termination and a DS3/DS1 Multiplexer in the SWC of the customer's premises.
- Customer orders 24 Feature Group D trunks to ride a DS1 DTT facility to an end office (Section 6) and specifies that the DS1 DTT facility be assigned to the DS3 PLTS facility for the associated Switched Access Entrance Facility.

- Switched Access Service Rates and Charges

24/672 of the Switched DS3 Entrance Facility rate
100% Switched DS1 DTT facility rate
24/672 of the Switched DS3/DS1 Multiplexer rate

- PLTS Rates and Charges

648/672 of the PLTS DS3 Channel Termination
648/672 of the PLTS DS3/DS1 Multiplexer

In the above example, if the PLTS DS3 Service has Transport Channel mileage in addition to the Channel Termination, the Switched DS1 DTT facility rate and the PLTS Transport Channel rate are also apportioned.

2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS (Cont'd)

2.7.2 EXPANDED INTERCONNECTION CHANNEL TERMINATION

When a customer with a Private Line EICT provides Shared Use, the apportioned factor (between Switched Access Service and PLTS) applied to the EICT rate element will be the same apportioned factor as determined for the PLTS facility as described in 2.7.1, preceding.

2.7.3 SWITCHED DS3 FACILITY WITH CCSAC SERVICE

Shared Use may occur when Switched Access Service, as set forth in Section 6, following, and CCSAC Service, as set forth in Section 15, following, are provided over the same DS3 facility. The DS3 facility must be ordered, provided and rated from Section 6 until the customer chooses to use a portion of the facility for CCSAC Service.

When the customer chooses to use a portion of the available capacity (i.e., DS1) of a DS3 facility for providing CCSAC, the customer shall place an order for each individual CCSAC Service from Section 15, following, and specify the channel assignment for the Shared Use facility. The customer must dedicate, at a minimum, one DS1 facility for the CCS Links. Since a minimum of one DS1 is utilized for CCS Links, the number of channels apportioned for CCSAC will be in multiples of 24 channels. All rates and charges will be apportioned as set forth in 2.7.1, preceding.

Where PLTS or Switched Access Service is provided and a portion of the facility is utilized for Shared Use to a Hub, rates and charges are apportioned for the facility to the Hub as set forth in 2.7.1, preceding, and individual service rates and charges for CCSAC apply from the Hub to the Company STP as set forth in Section 15, following.

Qwest Corporation d/b/a CenturyLink QC

**Access Service
Catalog**

SECTION 3
Index Page 1
Release 3

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Office of the Secretary
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SOUTHERN IDAHO
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3. CARRIER COMMON LINE ACCESS SERVICE

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3. CARRIER COMMON LINE ACCESS SERVICE

3.1 GENERAL DESCRIPTION

Carrier Common Line Access Service provides for the use of Company common lines by customers for access to end users to furnish intrastate telecommunications service.

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers in conjunction with Switched Access Service provided in Section 6. of this document.

3.2 LIMITATIONS

3.2.1 EXCLUSIONS

Neither a telephone number nor detail billing are provided with Carrier Common Line Access. Additionally, directory listings and intercept arrangements are not included in the rates for Carrier Common Line Access.

3.2.2 ACCESS GROUPS

All line side connections provided in the same access group will be limited to the same features and operating characteristics.

All trunk side connections provided in the same access group will be limited to the same features and operating characteristics.

3.2.3 WATS ACCESS LINES (Grandfathered)

(C)

Where Switched Access Services are connected with WATS Access Lines at Company Designated WATS Serving Offices for the provision of WATS and/or WATS-type Services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and/or WATS-type services and terminating minutes for inward WATS and/or WATS-type services) shall not be assessed Carrier Common Line Access per minute rates.

[1] **Effective May 1, 2021, WATS Access Lines are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

3. CARRIER COMMON LINE ACCESS SERVICE

3.3 UNDERTAKING OF THE COMPANY

3.3.1 PROVISION OF SERVICE

Where the customer is provided Switched Access Service under other sections of this document, the Company will provide the use of Company common lines by a customer for access to end users at rates as set forth in 3.9 following.

3.3.2 INTERSTATE AND INTRASTATE USE

The Switched Access Service provided by the Company includes the Switched Access Service provided for both interstate and intrastate communications. The Carrier Common Line Access rates as set forth in 3.9 following, apply to intrastate Switched Access Service access minutes in accordance with the rate regulations as set forth in 3.8.4 following (Percent Interstate Use - PIU).

3.4 OBLIGATIONS OF THE CUSTOMER

3.4.1 SWITCHED ACCESS SERVICE REQUIREMENT

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

3.4.2 SUPERVISION

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

3. CARRIER COMMON LINE ACCESS SERVICE

3.5 DETERMINATION OF USAGE SUBJECT TO CARRIER COMMON LINE ACCESS RATES

Except as set forth herein, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access rates.

3.5.1 DETERMINATION OF JURISDICTION

When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for intrastate will be determined as set forth in 3.8.4, following (Percent Interstate Use-PIU).

3.5.3 LOCAL EXCHANGE ACCESS AND ENHANCED SERVICE EXEMPTION

When access to the local exchange is required to provide a customer service (e.g., MTS-type, WATS-type, telex, Data, etc.) that uses a resold private line service, Switched Access Service regulations, rates and charges as set forth in Section 6, following, apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates as set forth in 3.9, following, apply in accordance with the rate regulations as set forth in 3.8, following.

3. CARRIER COMMON LINE ACCESS SERVICE

3.5 DETERMINATION OF USAGE SUBJECT TO CARRIER COMMON LINE ACCESS RATES (Cont'd)

3.5.4 SWITCHED ACCESS SERVICE PROVIDED IN CONJUNCTION WITH A COMMERCIAL MOBILE RADIO SERVICE PROVIDER

For Switched Access Service provided in conjunction with a CMRS provider, Carrier Common Line Access rates do not apply.

3.5.5 COMMON CHANNEL SIGNALING ACCESS CAPABILITY EXEMPTION

Common Channel Signaling Access Service as set forth in Section 15, following, is not subject to a Carrier Common Line rate.

3.6 RESOLD SERVICES

3.6.1 SCOPE

Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access rates have been assessed, the customer may, at the option of the customer, obtain Feature Group A, Feature Group B or Feature Group D Switched Access Service under this document as set forth in Section 6, following, for originating and/or terminating access in the local exchange. Such access group arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have Carrier Common Line Access rates applied as set forth in 3.8.5, following, in accordance with the resale rate regulations set forth in 3.6.4, following. For purposes of administering this provision:

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

3. CARRIER COMMON LINE ACCESS SERVICE

3.6 RESOLD SERVICES (Cont'd)

3.6.2 CUSTOMER OBLIGATIONS CONCERNING THE RESALE OF MTS AND/OR MTS-TYPE SERVICES

When the customer is reselling MTS and/or MTS-type service as set forth in 3.6.1 preceding, the customer will be charged Carrier Common Line Access rates in accordance with the resale rate regulations as set forth in 3.6.4 following, if the customer or the provider of the MTS service furnishes documentation of the MTS usage and/or the customer furnishes documentation of the MTS-type usage. Such documentation supplied by the customer shall be supplied each month and shall identify the involved resold MTS and/or MTS-type services.

The monthly period used to determine the minutes of use for resold MTS and/or MTS-type service(s) shall be the most recent monthly period for which the customer has received a bill for such resold service(s). This information shall be delivered to the Company, at a location specified by the Company, no later than 15 days after the bill date shown on the resold MTS and/or MTS-type service bill. If the required information is not received by the Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Company by the customer.

3.6.3 RESALE DOCUMENTATION PROVIDED BY THE CUSTOMER

When the customer utilizes Switched Access Service as set forth in 3.6.2 preceding, the Company may request a certified copy of the customer's resold MTS and/or MTS-type usage billing from either the customer or the provider of the MTS and/or MTS-type service. Requests for billing will relate back no more than 12 months prior to the current billing period.

3. CARRIER COMMON LINE ACCESS SERVICE

3.6 RESOLD SERVICES (Cont'd)

3.6.4 RATE REGULATIONS CONCERNING THE RESALE OF MTS AND/OR MTS-TYPE SERVICES

When the customer is provided an access group to be used in conjunction with the resale of MTS and/or MTS-type services as set forth in 3.6.1 preceding, subject to the limitations as set forth in 3.2 preceding, and the Company receives the usage information required as set forth in 3.6.2 preceding, to calculate the adjustment of Carrier Common Line Access rates, the customer will be billed as set forth in D. following.

A. Apportionment And Adjustment Of Resold Minutes Of Use

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

1. Originating Services

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

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

The resale credit adjustment shall apply for resold originating MTS and/or MTS-type services and minutes of use provided Carrier Common Line and Switched Access rates and charges have been assessed on such services.

3. CARRIER COMMON LINE ACCESS SERVICE

3.6 RESOLD SERVICES

3.6.4 RATE REGULATIONS CONCERNING THE RESALE OF MTS AND/OR MTS-TYPE SERVICES

A. Apportionment And Adjustment Of Resold Minutes Of Use (Cont'd)

2. Terminating Services

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

(C)

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

The resale credit adjustment shall apply for resold terminating MTS and/or MTS-type services and minutes of use provided Carrier Common Line and Switched Access rates and charges have been assessed on such services.

B. Same State/Company/Exchange Limitation

In order for the rate regulations to apply as set forth in D. following, the access groups and the resold MTS and/or MTS-type services must be provided in the same state, in the same exchange, provided by the same Company and connected directly or indirectly. For those exchanges that encompass more than one state, the customer shall report the information by state within the exchange.

3. CARRIER COMMON LINE ACCESS SERVICE

3.6 RESOLD SERVICES

3.6.4 RATE REGULATIONS CONCERNING THE RESALE OF MTS AND/OR MTS-TYPE SERVICES (Cont'd)

C. Direct And Indirect Connections

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

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

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

3. CARRIER COMMON LINE ACCESS SERVICE

3.6 RESOLD SERVICES

3.6.4 RATE REGULATIONS CONCERNING THE RESALE OF MTS AND/OR MTS-TYPE SERVICES (Cont'd)

D. Access Groups

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

The access minutes which will be subject to Carrier Common Line Access rates will be the adjusted originating intrastate access minutes plus the adjusted terminating intrastate access minutes for such access groups.

The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold originating MTS and/or MTS-type service minutes of use as set forth in A.1. preceding, but not less than zero. The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold terminating MTS and/or MTS-type service minutes of use as set forth in A.2. preceding, but not less than zero.

E. When The Adjustment Will Be Applied To Customer Bills

The adjustment as set forth in D. preceding, will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the usage report is obtained.

F. Conversion Of Billed Usage To Minutes

When the MTS and/or MTS-type usage is shown in hours, the number of hours shall be multiplied by 60 to develop the associated MTS and/or MTS-type minutes of use. If the MTS and/or MTS-type usage is shown in a unit that does not show hours or minutes, the customer shall provide a factor to convert the shown units to minutes.

G. Percent Interstate Use (PIU)

The adjustment as set forth in D. preceding, will be made to the involved customer account after making the adjustments to the customer account as set forth in 3.8.4 following (PIU).

3. CARRIER COMMON LINE ACCESS SERVICE

3.8 RATE REGULATIONS

3.8.1 BILLING OF RATES

Carrier Common Line Access rates will be billed to each Switched Access Service provided under this document in accordance with the regulations as set forth in 3.8.5 following (Determination of Rates) except as set forth in 3.2.3 preceding (WATS Access Lines), 3.6.4 preceding (Resale) and 3.8.4 following (PIU).

3. CARRIER COMMON LINE ACCESS SERVICE

3.8 RATE REGULATIONS (Cont'd)

3.8.3 UNMEASURED FEATURE GROUP A USAGE

When Carrier Common Line Access is provided in association with Feature Group A Switched Access Service in Company offices that are not equipped for measurement capabilities, an assumed average intrastate access minutes will be used to determine Carrier Common Line Access rates. These assumed access minutes are as set forth in 6.7.6, following.

3.8.4 PERCENT INTERSTATE USE (PIU)

When the customer reports interstate and intrastate use of in-service Switched Access Service, Carrier Common Line Access rates will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in 2.3.10, preceding, (Jurisdictional Reports), except where the Company is billing according to actuals by jurisdiction. Intrastate Switched Access Service access minutes will, after adjustment as set forth in 3.6.4, preceding (Resale), when necessary, be used to determine Carrier Common Line Access rates as set forth in 3.8.5, following.

3. CARRIER COMMON LINE ACCESS SERVICE

3.8 RATE REGULATIONS (Cont'd)

3.8.5 DETERMINATION OF RATES

After the adjustments as set forth in 3.6.4 and 3.8.4 preceding, have been applied, when necessary, to Switched Access Service access minutes, rates for the involved customer account will be determined as follows:

- A. Carrier Common Line Access rates shall not be reduced as set forth in 3.6.1 preceding, unless Switched Access rates, as set forth in 6.8 following, are applied to the customer's Switched Access Services.
- B. The terminating access per minute rate(s) apply to all terminating minutes of use.
- C. The originating access per minute rate(s) apply to all originating minutes of use.

Qwest Corporation d/b/a CenturyLink QC

Access Service

Catalog

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Release 5

SOUTHERN IDAHO

Issued: 6-10-2021

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Idaho Public Utilities Commission

Office of the Secretary

ACCEPTED FOR FILING

July 1, 2021

Boise, Idaho

3. CARRIER COMMON LINE ACCESS SERVICE

3.9 RATES

| | RATE PER | |
|--------------------------------|----------------------|-----|
| | ACCESS MINUTE | |
| • Terminating | \$0.000000 | (T) |
| • Originating – 8YY | 0.000000 (R) | (C) |
| • Originating – Non-8YY | 0.015303 | (C) |

SID2021-09

Qwest Corporation d/b/a CenturyLink QC

**Access Service
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**SECTION 4
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4. RESERVED FOR FUTURE USE

5. ORDERING OPTIONS FOR ACCESS SERVICE

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5. ORDERING OPTIONS FOR ACCESS SERVICE

5.1 GENERAL

- A. This section sets forth the regulations and order related charges for Switched Access Service and Expanded Interconnection (EI) Service. These charges are in addition to other applicable charges as set forth in other sections of this document.
- B. An Access Order is a request for, or change to, any service designated in this document.

5.1.1 ORDERING CONDITIONS

- A. The customer shall provide all information necessary for the Company to provide and bill for the requested service. In addition to the order information required in 5.2, following, the customer must also provide:
 - Customer name and premises address(es),
 - Billing name and address (when different from customer name and address),
 - Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.
- B. The Company will establish a Service Date (Due Date) when the customer has placed an order for service with all the appropriate information to allow for the processing of the Access Order. The date on which the Service Date is established is the Application Date (Order Date).
- C. The time required to provision the service (i.e., the interval between the Application Date and the Service Date) is known as the Service Date Interval. The Service Date Interval is established in accordance with 5.2.1, following. The Company will provide a firm order confirmation to the customer advising the customer the Application Date and the associated Service Date Intervals for the Access Order. Access Order firm order confirmations, where possible, will reflect the customer's requested Service Date.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.2 PROVISION OF OTHER SERVICES

- A. Other Services offered under the provisions of this catalog shall be ordered with an Access Order or as set forth in B. following. The rates and charges for these services, as set forth in other sections of this document, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- B. With the agreement of the Company, other Services mentioned in A. preceding, may subsequently be added to the order at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.2.2, C. following, will apply when an engineering review is required.
- C. Additional Engineering is not an ordering option, but will be applied to an Access Order when the Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 12.1 following. When Additional Engineering is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established.
- D. If the customer does not want the service or facilities after being notified that Additional Engineering of Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.
- E. The regulations, rates and charges for Additional Engineering are as set forth in 12.1 following, and are in addition to the regulations, rates and charges specified in this section.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.3 SPECIAL CONSTRUCTION

A. The regulations, rates and charges for special construction are determined in accordance with Company's Practices. (T)

1. All rates and charges quoted in other sections of this document provide for the furnishing of service when suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs.

B. Conditions for Special Construction

1. Special construction is required when a customer requests service and one or more of the following conditions exist:

a. The facilities to provide services are not available and at the request of the customer, the Company constructs facilities to provide the services for the customer and there is no other requirement for the facilities so constructed.

b. At the request of the customer, the Company constructs facilities of a type other than that which they would normally furnish in order to provide services for the customer.

c. In order to comply with requirements specified by the customer, construction by the Company involves a routing of facilities other than that which they would normally utilize to provide services for the customer.

d. At the request of the customer, the Company constructs a greater quantity of facilities than that which they would otherwise construct in order to fulfill the customer's initial requirements for service.

e. The facilities to provide services are not available and, at the request of the customer, the Company expedites construction of the facilities at greater expense than would otherwise be incurred.

f. The facilities to provide services are not available and, at the request of the customer, the Company constructs temporary facilities to provide services for the period during which the permanent facilities are under construction.

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5. ORDERING OPTIONS FOR ACCESS SERVICE

5.1 GENERAL

5.1.3 SPECIAL CONSTRUCTION (Cont'd)

C. Special Construction Agreements

1. Customers requiring special construction enter into special construction agreements with the Company. In doing so, the customer may incur any one or all of the following liabilities depending on the circumstances surrounding the special construction.
 - Maximum Termination Liability (MTL)
 - Nonrecurring Charge (NRC)
 - Excess Recurring Monthly Charge (RNC)
 - Annual Underutilization Liability (AUL)

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A. Switched Access Service

When a customer requests new or additional Switched Access Services, one or more access orders may be required. The number of orders required is dependent on the type of services and/or facilities being requested.

When placing an order for Lineside or Trunkside Switched Access Service, the customer shall specify, at a minimum, the following:

- The type of Entrance Facility (EF), as described in 1., following;
 - The type of Direct-Trunked Transport (DTT) facility for both direct routed and tandem routed traffic, as described in 2., following;
 - The number of lines and/or trunks, as described in 3. and 4., following;
 - The basic Lineside or Trunkside Switched Access Service arrangement information as described in 3. and 4., following, respectively.
1. When the customer orders an EF for Switched Access Service (as described in 6.1.2, following), the customer must specify the customer-designated premises and the type of facility, DS3, DS1 or Voice Grade (VG), being requested between the customer's premises and the serving wire center (SWC) of that premises. The customer shall specify their facility terminating interface and the appropriate multiplexing options, if desired, at the SWC.

When a VG EF is ordered, the customer shall order the associated Lineside or Trunkside Service (as set forth in 3. and 4., following) and the DTT facility (as set forth in 2., following) at the same time. When a DS1 and DS3 EF and/or DTT is being requested, the customer has the option of ordering the Lineside or Trunkside Service at the same time or the customer may order the Lineside or Trunkside Service subsequent to ordering the EF or DTT facility when one of the following conditions exist:

- a DS3 EF is ordered with a DS3 to DS1 Multiplexer at the SWC, or
- a DS3 EF is ordered with a DS3 to DS1 Multiplexer at the SWC and DS1 DTT is ordered to a specific end office, Company Hub or access tandem, or

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A.1. (Cont'd)

- a DS3 EF is ordered to the SWC and a DS3 DTT facility, with a DS3 to DS1 Multiplexer, is ordered to a specific end office, Company Hub or access tandem, or
 - a DS1 EF is ordered with a DS1 to Voice Grade Multiplexer at the SWC, or
 - a DS1 EF and a DS1 DTT are ordered to a specific end office, Company Hub or access tandem.
2. When the customer orders a DTT facility (as described in 6.1.2, following), for either tandem routed or direct routed traffic, the customer must specify whether the EF that interfaces with the DTT facility is new or existing. If the EF is new, the customer shall order the EF as described in 1., preceding. If the EF is existing, the customer shall provide the Circuit Facility Assignment (CFA) of the existing facilities that will be utilized for the DTT. The EF capacity must be the same capacity as the DTT or higher. The customer shall specify the type of DTT facility, DS3, DS1 or Voice Grade, being requested and any multiplexing options desired. When ordering a DS1 DTT facility to a Company Hub, the customer shall specify the desired multiplexing Hub selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available for a DS1 facility. When the customer desires DS3 to DS1 multiplexing/hubbing arrangements, the Company will work cooperatively to provide the desired multiplexing/hubbing arrangements in all wire centers. The customer may order a DTT facility prior to ordering Lineside or Trunkside Service only as set forth in 1., preceding. If one of the conditions in 1., preceding, is not met, the customer must order Lineside or Trunkside Service at the same time the DTT facility is ordered as set forth in 3. and 4., following.

When tandem routing is to be utilized for Trunkside Access, a DTT facility is required between the SWC and the access tandem and TST (common transport) is required between the access tandem and all the end offices subtending that tandem. The TST common transport facilities are provided by the Company based on the number of trunks being requested by the customer as set forth in 4., following.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A. Switched Access Service (Cont'd)

3. When the customer orders Lineside Switched Access Service, the customer must have capacity available on an existing EF and/or DTT facility with compatible interfaces or request an EF and/or DTT facility as described in 1. and 2., preceding. Tandem routing is not available for Lineside Switched Access. When the EF and/or DTT facility is existing, the customer shall provide the CFA of the facility to be utilized. The customer shall also specify the number of lines, the first point of switching (i.e., dial tone office), the directionality of the service and the Switched Transport and Local Switching options desired. When additional information is required, either to apply credits or to measure and bill Lineside service properly, the customer shall specify whether the ordered line(s) will be used for resale purposes or not for resale purposes. When the service is for resale purposes, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.
4. When the customer orders Trunkside Switched Access Service, the customer must have capacity available on an existing EF with a compatible interface or request an EF as described in 1., preceding. In addition, the customer must specify if direct routing or tandem routing is to be utilized.

When direct routing is being requested, the customer must have an existing DTT facility between the SWC and the end office or order a new DTT facility as described in 2., preceding. If the DTT facility is existing, the customer shall provide the CFA of the facility to be utilized.

When tandem routing is to be utilized, a DTT facility is required between the SWC and the access tandem and TST (common transport) is required between the access tandem and all the end offices subtending that tandem. If the DTT facility is new, the customer may order the DTT facility as described in 2., preceding. If the DTT facility is existing, the customer shall provide the CFA of the facility to be utilized. The TST common transport facilities are provided by the company based on the number of trunks being requested as set forth following.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A.4. (Cont'd)

Trunkside Switched Access Service must be ordered in trunks. The customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic. On the order for service, the customer shall specify the number of trunks, the end office, if direct routing or tandem routing is desired, Switched Transport options and Local Switching options desired.

The number of trunks may be determined by the customer in the following manner. For each day the customer shall determine the highest number of trunks required to handle its traffic during a single hour. The customer shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days in a calendar year which add up to the largest number of trunks required to handle its traffic. The customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the consecutive twenty business day period by 20. This computation shall be performed for each end office and/or access tandem the customer wishes to serve.

When ordering trunks to an access tandem, the customer must also provide the Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Company in its own efforts to project further facility requirements. In addition, the customer shall also specify for terminating only access, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks. The traffic type must also be specified using the same categories as described in 6.1.1, following, to enable efficient provisioning and billing functions.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A. Switched Access Service (Cont'd)

5. When a customer desires Switched Access Service to an end office that is a remote switching office, the customer must order service to and/or from the host office which controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office.
6. For WATS Access Service provided on a dual jurisdiction basis; i.e., interstate and intrastate, the WATS access line and associated WATS Access Service options are provided subject to the terms and conditions of the Company's Interstate Access Service Tariff F.C.C. No. 11. The intrastate FGC or FGD Switched Access Service provided in conjunction with WATS Access Service shall be ordered as set forth in this section. (T)
7. For WATS Access Service provided on a Shared WATS basis; i.e., intrastate interLATA and intrastate intraLATA, the service will be provided jointly by the Company and the Interexchange Carrier. The WATS access line is provided subject to the terms and conditions of the Company's Exchange and Network Services Catalog, Section 7. The Company provides the WATS access line, transports the intraLATA traffic and bills both the WATS access line and intraLATA usage to the end user out of the Company's Exchange and Network Services Catalog. The Interexchange Carrier transports the interLATA traffic and bills interLATA usage to the end user at the IC's applicable WATS usage rates. The intrastate FGC or FGD Switched Access Service provided in conjunction with WATS Access Service shall be ordered as set forth in this section.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

A. Switched Access Service (Cont'd)

8. For 800 service provided on a Complementary basis; i.e., intrastate interLATA and intrastate intraLATA, the service may be provided jointly by the Company and the Interexchange Carrier. The 8XX service number is provided subject to the terms and conditions of the Company's Exchange and Network Services Catalog, Section 7. The Company provides the 8XX service number to be associated with an individual line or trunk, transports the intraLATA traffic and bills both the 8XX service number and intraLATA usage to the end user out of the Company's Exchange and Network Services Catalog. The Interexchange Carrier transports the interLATA traffic and bills interLATA usage to the end user at the IC's applicable WATS usage rates. The intrastate Trunkside Switched Access Service provided in conjunction with the 800 service shall be ordered as set forth in this section.
9. For 900 Access Service, the customer shall order the service in accordance with the preceding provisions as set forth in 1., 2. and 4., preceding, and the manner in which the service is to be provisioned (i.e., Feature Group C or D), except that customers may request DTT to only those offices designated by the Company as 900 Access Service screening offices. Additionally, when new NXX(s) are to be opened in a LATA or when existing NXX(s) are to be deleted, and such change is to occur coincident with the Service Date established for the order, the customer shall provide such information when placing the order for the service. The customer shall notify the Company of all NXX code activity (activation or deactivation) as set forth in 6.6.1, following, regardless of whether the activity is to occur with or without a requirement for additional capacity (i.e., busy hour minutes of capacity or quantities of trunks). All 900 number assignments and administration shall be in accordance with the North American Numbering Plan (NANP).
10. For 800 Data Base (800 DB) Access Service, the customer shall order the service in accordance with the requirements as set forth in 1., 2. and 4., preceding. The service will be provisioned as set forth in 6.2.5, following, except that customers may request DTT to those end offices designated by the Company as Service Switching Points (SSPs). 800 DB Access Service is available only as a LATA-wide service and must be ordered to all end offices in a LATA. Service will be provisioned, at a minimum, to all access tandems and operator switches equipped as SSPs in a LATA. 8XX codes and number assignments shall be in accordance with the Guidelines for 800 Data Base.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

- A. Switched Access Service (Cont'd)
11. When a customer orders CCSAC, the customer must specify the customer's STP premises, the number of CCS Links required between the customer's Signaling Point of Interface (SPOI) and the Company's STP location per access order as set forth in Section 15, following.
 12. When a customer orders FGD Service with SS7 Out of Band Signaling feature, the customer must specify the CCSAC Service required between the customer's SPOI and the Company's STP location per access order as set forth in Section 15, following. Separate orders shall be issued for the CCSAC Service and the associated FGD Service.
 13. Customers, when placing an order for Switched Access Services FGB or FGD, may request one or more Carrier Identification Codes (CIC) on the same Access Order. The first CIC is included in the nonrecurring charge for the Access Order. Each additional (i.e., two or more) CIC requested on the same Access Order is assessed a service rearrangement nonrecurring charge as set forth in 6.7.1, following.
 14. For originating and terminating FGD transported via a customer-provided tandem premises, the Switched Access FGD trunk arrangement must be ordered as a one-way direct outgoing or a one-way direct incoming trunk termination for all the FGD Service in the same Company equal access end office.
 15. When a DTT facility is ordered with TSI, only FGD Service may be transported over the DTT facility.
- B. For virtual EI Service, the customer must specify the Company central office in which the virtual interconnector's equipment will be installed, and the type of EI Channel Termination, the channel interface, technical specification package and options desired.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER (Cont'd)

5.2.1 ACCESS ORDER SERVICE DATE INTERVALS

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval

Service Date Interval tables are found in the Qwest Corporation Service Interval Guide. Service Date Intervals will be provided to all customers within a reasonable time of request. To the extent the Access Service can be made available with reasonable effort, the Company will provide the Access Service in accordance with the customer's requested interval, subject to the following conditions:

A. Standard Interval

1. A schedule of Standard Intervals **is** included in the Qwest Corporation Service Interval Guide. The schedule specifies the services and the quantities provided within a Standard Interval. Standard Intervals will be used for Access Orders with the same requested Service Date or service type. Service Dates for items and services not assigned to the Standard Interval tables, will be negotiated as set forth in B., following. Additional Labor Charges as set forth in Section 12, following, may apply.
2. Access Services provided with a Standard Interval will be installed during Company business hours as set forth in Section 12, following. If a customer requests that installation of service be done outside the Company's business hours, and the Company agrees to the request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 12, following.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.1 ACCESS ORDER SERVICE DATE INTERVALS (Cont'd)

B. Negotiated Interval

The Company will negotiate a Service Date Interval with the customer on an individual case basis resulting in a Negotiated Interval, when:

- no Standard Interval exists for the service,
- the quantity of Access Services ordered exceeds the quantities specified in the Standard Intervals described in the Qwest Corporation Service Interval Guide,
- the customer requests a Service Date before or beyond the applicable Standard Interval Service Date, or
- the rates are applied on an Individual Case Basis (ICB).

The Company will offer a Service Date based on the type and quantity of Access Services the customer has requested. The Negotiated Interval may not exceed by more than six months the Standard Interval Service Date, or, when there is no Standard Interval, the Company offered Service Date.

Access Services provided on a Negotiated Interval will be installed during Company business days. If a customer requests that installation be done outside of the Company's business hours and the Company agrees to their request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 12, following.

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5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER (Cont'd)

5.2.2 ACCESS ORDER MODIFICATIONS

The customer may request a modification of its Access Order at any time prior to notification by the Company that service is available for the customer's use. The Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours.

If the modifications cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Access Order modification, the Company will schedule a new Service Date. All charges for Access Order modifications will apply on a per occurrence basis.

Any increase in the number of Switched Access Service facilities, lines, trunks or EI Channel Terminations will be treated as a new Access Order (for the increased amount only).

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5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.2 ACCESS ORDER MODIFICATIONS (Cont'd)

A. Service Date Change

1. Access Order Service Dates for the installation of new services or rearrangements of existing services may be changed, but the new Service Date may not exceed the original Service Date by more than sixty (60) calendar days. When, for any reason, the customer wishes to change the Service Date, the customer should notify the Company before the original Service Date to request a different Service Date. If the customer requested Service Date is more than sixty (60) calendar days after the original Service Date, the order will be cancelled by the Company and reissued with the appropriate cancellation charges applied unless the customer indicates that billing for the service is to commence as set forth in 5.2.3, following. (C)
2. A new Service Date may be established that is prior to the original Standard or Negotiated Interval Service Date if the Company determines it can accommodate the customer's request without delaying Service Dates for orders of other customers. (C)
3. A Service Date Change Charge will apply, on a per order, per occurrence basis, for each service date changed, but will not apply to expedited orders. The applicable charge is:

B. Partial Cancellation Charge

Any decrease in the number of ordered Switched Access Service facilities, lines, trunks or EI Channel Terminations will be treated as a partial cancellation and the charges as set forth in 5.2.3, following, will apply.

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5.2 ACCESS ORDER

5.2.2 ACCESS ORDER MODIFICATIONS (Cont'd)

C. Design Change Charge

1. The customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Company personnel of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as a change of end user's premises within the same SWC, the addition or deletion of optional features, functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package.
2. Design changes do not include a change of customer's premises, end user's premises to a different SWC, end office switch, Switched Access Service type or EI Channel Termination type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.
3. The Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service date is required. If the customer authorizes the Company to proceed with the design change, a Design Change Charge will apply.
4. A Design Change Charge will apply, on a per order, per occurrence basis. This charge will also apply to change an incorrect address as long as the new address is in the same wire center as the incorrect address and the change is made prior to the issuance of the Design Layout Report (DLR). If a change of end user's premises within the same SWC is requested, Expedited Order Charges may also apply as set forth in the Private Line Transport Services Catalog. The applicable design charge is:

| | CHARGE | (T) |
|-----------------------------------|---------------|------------|
| • Design Change Charge, per order | \$103.00 | (T) |

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5.2 ACCESS ORDER

5.2.2 ACCESS ORDER MODIFICATIONS (Cont'd)

- D. Expedited Order Charges for Access Orders are set forth in the Private Line Transport Services Catalog.

If costs other than additional labor are to be incurred when an Access Order is expedited, the Company will develop, determine and bill the customer such costs in accordance with the special construction terms and conditions set forth in 5.1.3, preceding. Authorization to incur the cost and to bill the customer will be in accordance with the terms and conditions as set forth in 5.1.3, preceding.

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5.2 ACCESS ORDER (Cont'd)

5.2.3 CANCELLATION OF AN ACCESS ORDER

A. A customer may cancel an Access Order for the installation of service at any time prior to notification by the Company that service is available for the customer's use. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is to be canceled. The verbal notice must be followed by written confirmation within ten (10) days. If a customer or a customer's end user is unable to accept Access Service within thirty (30) calendar days after the latest agreed upon Service Date, the following will occur:

- The Access Order will be canceled and charges as set forth in D. and E., following, will apply if the service has not been fully provisioned; or
- The Access Order will be completed and billing for the service will commence if the service has been fully provisioned or the customer has indicated that billing for the service should begin.

(T)
(C)
(C)
(T)
(C)
(C)
(D)
(D)

B. Service Date Intervals are associated with the provisioning of an Access Order whether standard or negotiated as set forth in 5.2.1, preceding. Certain Critical Dates, as set forth in E., following, are used by the Company to monitor the service order provisioning progress. The Company includes these scheduled Critical Dates in the firm order confirmation associated with each Access Order provided to the customer. Cancellation charges are based on the estimated costs incurred by the Company at the time the order is canceled. The Company monitors which Critical Date was last scheduled and what percentage of the Company's provisioning costs have been incurred as of that Critical Date. A Cancellation Charge will not apply if the scheduled Service Date has not been provided to the customer.

Costs incurred in conjunction with the provision of Switched Access Service start on the Application Date defined in C., following. When a customer cancels an Access Order prior to the Application Date, no charges shall apply. When a customer cancels an Access Order or part of an Access Order, on or after the Application Date, a charge equal to the estimated costs incurred by the Company shall apply as set forth in D. and E., following. When a customer cancels an Access Order or part of an Access Order, on or after the original Service Date, the Cancellation Charge will apply as set forth in D. and E., following.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.3 CANCELLATION OF AN ACCESS ORDER (Cont'd)

- C. The Critical Dates monitored by the Company for the purpose of calculating a Cancellation Charge are as follows:
1. Application Date (APP): The date the customer provides a firm commitment and sufficient information as detailed in 5.1.1, preceding. The APP Date is the date the Company enters the order into the Company's order distribution system. This is sometimes referred to as the order date.
 2. Design Layout Report Date (DLRD): The date the Design Layout Report which contains the design for the service(s) ordered is forwarded to the customer.
 3. Plant Test Date (PTD): The date acceptance testing is performed with the customer.
 4. Service Date (DD): The date the service is due to be made available to the customer. This is sometimes referred to as the Due Date.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.3 CANCELLATION OF AN ACCESS ORDER (Cont'd)

- D. The percentage of the total provisioning cost incurred by the Company at a particular Critical Date varies by the type of service as shown in E., following.

When a customer cancels an Access Order, or part of an Access Order, before the Service Date, the Company will calculate the Cancellation Charge by multiplying all the nonrecurring charges associated with the Access Order, or that part of the Access Order being canceled, by the percentage shown in E., following, based on the last monitored Critical Date which has occurred on the Access Order. When a customer cancels an Access Order or part of an Access Order on or after the original Service Date, 100% of the nonrecurring charges plus minimum period charges apply.

Nonrecurring charges associated with an Access Order are used to calculate and bill the Cancellation Charge to the customer even when nonrecurring charges are waived.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.3 CANCELLATION OF AN ACCESS ORDER (Cont'd)

E. The Critical Dates monitored by the Company are as follows:

| | APP % | DLRD % | PTD % | DD % |
|----------------------------|-----------------|------------------|-----------------|----------------|
| 1. Switched Access Service | | | | |
| • Lineside Access[1] | 21 | 56 | 71 | [2] |
| • Trunkside Access[1] | 15 | 65 | 73 | [2] |
| • VG (EF and DTT) | 13 | 44 | 77 | [2] |
| • DS1 (EF and DTT) | 10 | 48 | 81 | [2] |
| • DS3 (EF and DTT) | 10 | 48 | 81 | [2] |

[1] Excludes DS1 or DS3 EF and DS1 or DS3 DTT facilities.

[2] Minimum period charges and 100% of the nonrecurring charges apply when the Access Order or part of the Access Order is canceled on or after the original Service Date.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.3 CANCELLATION OF AN ACCESS ORDER (Cont'd)

- F. When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- G. If the Company misses a Service Date due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring Cancellation Charges.

5.2.4 SELECTION OF FACILITIES FOR ACCESS ORDERS

When a customer places an order for Lineside or Trunkside Switched Access Service, the customer may choose to utilize existing Switched Access Entrance Facilities and/or Direct-Trunked Transport facilities ordered from Section 6, following, or Private Line Transport Service (PLTS) facilities. Shared Use is allowed when Shared Use facilities are ordered and provided as set forth in 2.7, preceding. The customer is not allowed to order Switched Access facilities from Section 6, and assign PLTS to those facilities. The customer must specify the specific channels to be used to implement the Access Order.

5.2.5 MINIMUM PERIOD

- A. Except as set forth in B., following, the minimum period for which Access Service is provided and for which charges are applicable, is one month.
- B. The minimum period for Switched Access Service Feature Group D, 800 DB Access Service, 900 Access Service, DS3 and DS1 Entrance Facilities and DS3 and DS1 DTT facilities associated with such services is three months.
- C. Service Rearrangements as set forth in 6.7.1, following, for Switched Access Services may be made without a change in minimum period requirements.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER

5.2.5 MINIMUM PERIOD (Cont'd)

- D. Changes other than those identified in 6.7.1, following, will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The changes listed below are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

1. A change of customer of record (i.e., Access Service is provided to and billed to a different entity), except as provided for in 6.7.1, following.
2. A change in type of service (i.e., one type of Switched Access Service to another, except as set forth in 6.7.4, following).
3. A change in Switched Access Service Interface Group.
4. A change in Switched Access Service traffic type. When FGD Service is rearranged as set forth in 6.7.1, following, a change in traffic type may occur without a discontinuance of the existing service and an installation of a new service. No new minimum period will be required.
5. Any change in CCSAC Service other than a change in jurisdiction.
6. A change in capacity of a Switched Access Service Entrance Facility or DTT facility (e.g., a change from a DS1 Entrance Facility to a DS3 Entrance Facility).
7. A change in Switched Access Service type of transport, except as set forth in 6.7.1, following.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER (Cont'd)

5.2.6 MINIMUM PERIOD CHARGES

When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

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

- A. For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in 6.7.3, following.
- B. The Minimum Period Charge for Feature Group D Switched Access Service and associated Entrance Facility and DTT Facility will be determined as set forth in 2.4.2, preceding.
- C. For EI Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in Section 21, following.
- D. All applicable nonrecurring charges, for the service will be billed in addition to the Minimum Period Charge.

5.2.7 SHARED USE FACILITIES

When a customer orders Switched Access Service on a PLTS Shared Use facility as set forth in 2.7, preceding, the customer must specify on its order a channel facility assignment for each service ordered.

5.2.8 DESIGN LAYOUT REPORT (DLR)

For services that require network channel and network channel interface codes, the Company will provide, at the customer's request, a DLR.

5. ORDERING OPTIONS FOR ACCESS SERVICE

5.2 ACCESS ORDER (Cont'd)

5.2.9 DISCONTINUANCE OF SERVICE

A customer may cancel an Access Service at any time. The Company requires two business days notice for the cancellation of an Access Service. The notice can be written or verbal; however, a verbal notice must be followed by a written confirmation within ten days. The notice period will begin at the time of the verbal notice. If there is no verbal notice, the notice period begins at the time the written request is received.

6. SWITCHED ACCESS SERVICE

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6. SWITCHED ACCESS SERVICE

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6. SWITCHED ACCESS SERVICE

6.1 GENERAL

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of terminating, switching and transport facilities and common subscriber plant of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2, following.

Rates and charges for Switched Access Service are set forth in 6.8, following. The application of rates for Switched Access Service is described in 6.7, following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1.A.7., 6.2.1.B.4., 6.2.2.A.7., 6.2.2.B.3., 6.2.3.A.6., 6.2.4.A.4. and 6., 6.7.7 and 6.7.9, following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.7.8, following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL (Cont'd)

6.1.1 SWITCHED ACCESS SERVICE ARRANGEMENTS AND MANNER OF PROVISION

Switched Access Services are differentiated by their technical characteristics, e.g., lineside vs. trunkside connection at the Company entry switch, and the manner in which an end user accesses them in originating calling, e.g., with or without an access code.

A. Manner Of Provision

1. Lineside Access (FGA) is furnished on a per line basis. Trunkside Access (FGB, FGC and FGD) is furnished on a per trunk basis.
2. Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation among traffic types is necessary for the Company to design Switched Access Service to meet the traffic carrying capacity requirement of the customer.
3. There are five major traffic types. These are: Originating, Terminating, *SWITCHNET 56*, CCC Originating and CCC Terminating.
 - Originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the customer.
 - Terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the end user.
 - *SWITCHNET 56* traffic type represents access capacity in a LATA for carrying digital traffic at speeds of up to 56 kbps between the customer and the end user.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.1 SWITCHED ACCESS SERVICE ARRANGEMENTS AND MANNER OF PROVISION

A.3. (Cont'd)

- CCC Originating traffic type represents access capacity within a LATA for carrying circuit switched data and/or circuit switched voice traffic on FGD Service equipped with Clear Channel Capability from the end user to the customer.
- CCC Terminating traffic type represents access capacity within a LATA for carrying circuit switched data and/or circuit switched voice traffic on FGD Service equipped with Clear Channel Capability from the customer to the end user.

When ordering capacity for Trunkside Switched Access Service, the customer must, at a minimum, specify such access capacity in terms of Originating and/or Terminating traffic type, CCC Originating traffic type, CCC Terminating traffic type or *SWITCHNET 56* traffic type. Additionally, when ordering capacity for 800 DB Access Service and/or 900 Access Service, the customer must specify 8XX and/or 900 traffic type.

4. Because some customers will wish to segregate their originating FGC, FGD, 800 DB Access Service or 900 Access Service traffic further into separate trunk groups, the Originating traffic type and CCC Originating traffic type are further categorized into Domestic, 8XX, 900 and Operator. Domestic traffic type represents access capacity for carrying only domestic traffic other than 8XX, 900 and Operator traffic; and, 8XX, 900 and Operator traffic type represents access capacity for carrying, respectively, only 8XX, 900 or Operator traffic. When such customer wishes to segregate their traffic as described above, the customer must specify Domestic, 8XX, 900 or Operator traffic type.
5. When Switched Access Service connects to Expanded Interconnection (EI) Service as set forth in Section 21, following, the Switched Access Service is provided at a DS1 or DS3 capacity connecting to an EI channel termination DS1 or DS3. A Switched Transport Entrance Facility is not required. The designated SWC for Switched Access Services connecting to EI Service is determined as follows:
 - The wire center where the Company-designated point of interconnection exists for Virtual EI will be the designated Switched Transport SWC and the customer's point of interconnection for Switched Access Services.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

There are three rate categories which apply to Switched Access Service:

- Switched Transport (described in A., following)
- Local Switching (described in B., following)
- Common Line (described in Section 3, preceding)

In addition to the three rate categories, there are rate elements applicable to certain Switched Access Services:

- 800 DB Access Service Charges are applicable to 800 DB Access Service provided in conjunction with Trunkside Switched Access Service. The description and application of these charges are set forth in 6.7.1, following.
- 900 Access Service Charges are applicable to 900 Access Service provided in conjunction with Feature Groups C, D and 900 Access Service (FGB-like). The description and application of these charges are set forth in 6.7.1, following.

6. SWITCHED ACCESS SERVICE

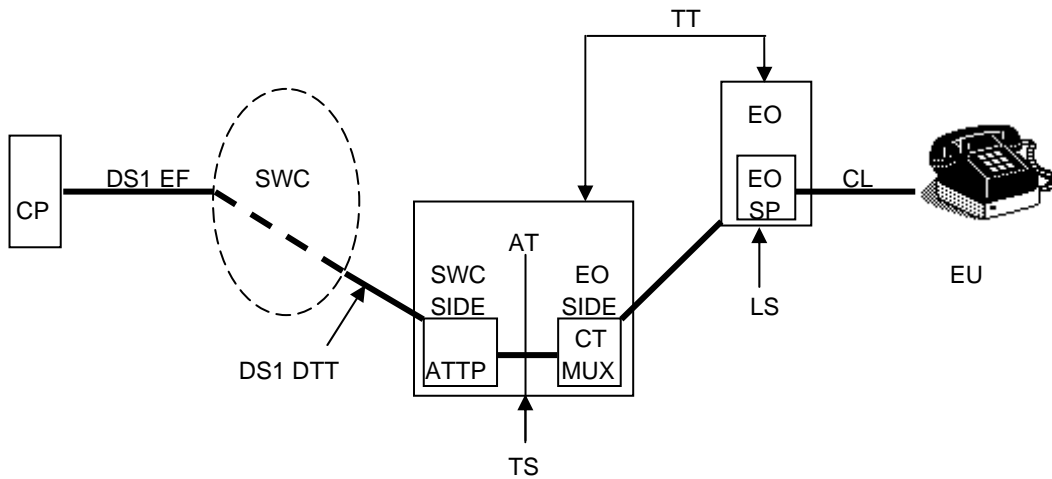
6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

The following diagrams depict possible serving arrangements and components of Switched Access Service and the manner in which the components are combined to provide a complete access service. The following diagrams are not intended to depict all serving arrangements available. Common line rate elements are described in Section 3, preceding.

EXAMPLE 1

Switched Access Service Ordered with Tandem Routing



- AT - Access Tandem
- ATTP - Access Tandem Trunk Port
- CL - Common Line
- CP - Customer's Premises
- CT MUX - Common Transport Multiplexing
- DTT - Direct Trunked Transport
- EF - Entrance Facility
- EO - End Office
- EO SP - End Office Shared Port
- EU - End User
- LS - Local Switching
- SWC - Serving Wire Center
- TS - Tandem Switching
- TT - Tandem Transmission

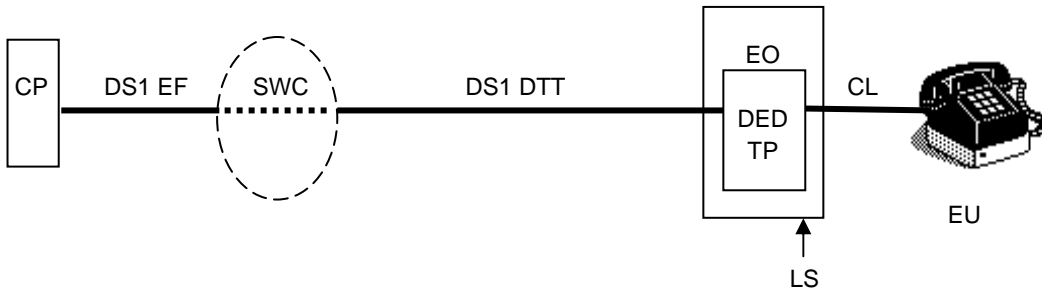
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 2

**Switched Access Service Ordered
with DS1 EF and DS1 DTT Facility**



- CL - Common Line
- CP - Customer's Premises
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EF - Entrance Facility
- EO - End Office
- EU - End Users
- LS - Local Switching
- SWC - Serving Wire Center

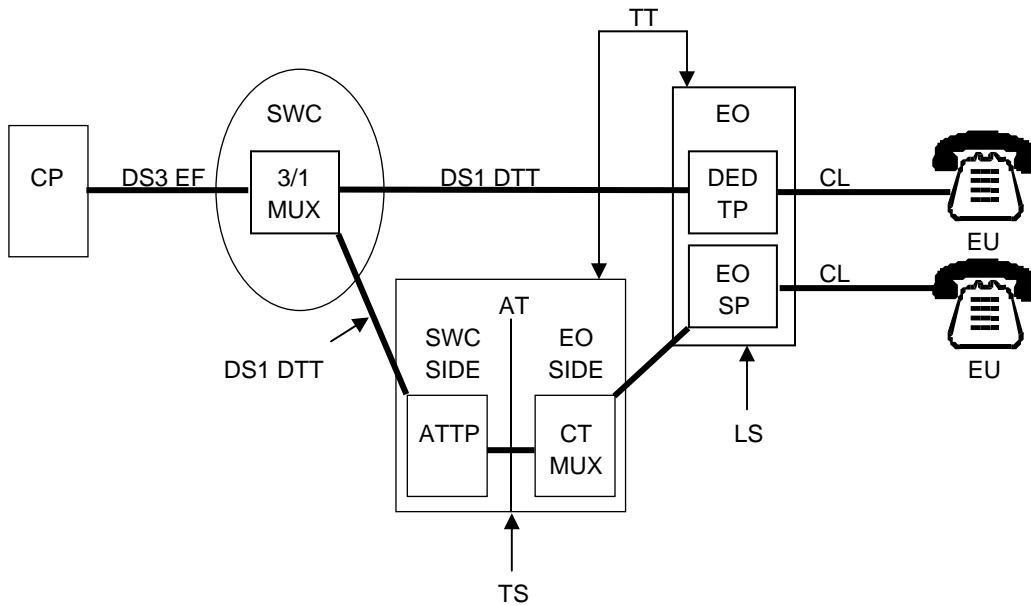
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 3

**Switched Access Service Ordered
 with DS3 EF for DTT and TST**



- AT - Access Tandem
- ATTP - Access Tandem Trunk Port
- CL - Common Line
- CP - Customer's Premises
- CT MUX - Common Transport Multiplexing
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EF - Entrance Facility
- EO - End Office
- EO SP - End Office Shared Port
- EU - End User
- LS - Local Switching
- MUX - EF Multiplexer
- SWC - Serving Wire Center
- TS - Tandem Switching
- TT - Tandem Transmission

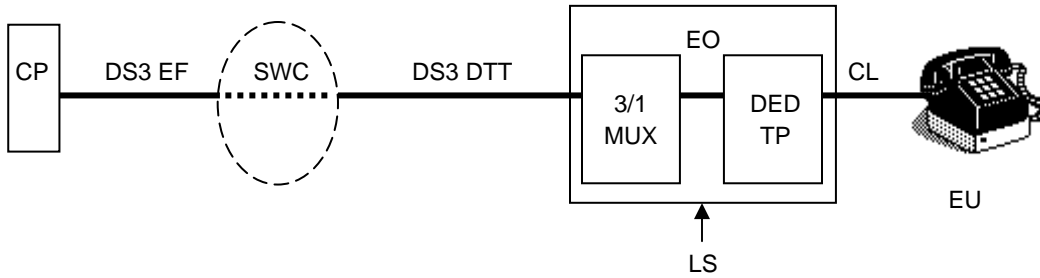
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 4

**Switched Access Service Ordered
with DS3 EF and DS3 DTT Facility to an End Office**



- CL - Common Line
- CP - Customer's Premises
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EF - Entrance Facility
- EO - End Office
- EU - End Users
- LS - Local Switching
- MUX - DTT Multiplexer
- SWC - Serving Wire Center

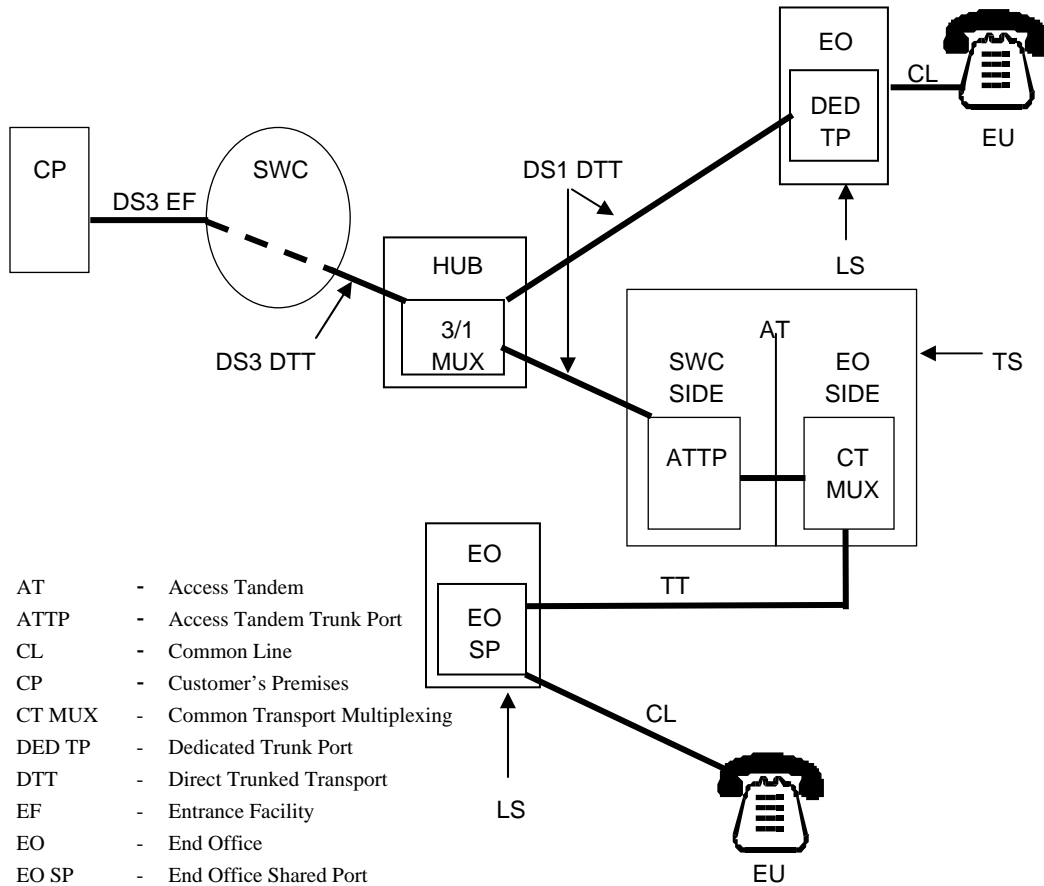
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 5

Switched Access Service Ordered to a Company Hub



- AT - Access Tandem
- ATTP - Access Tandem Trunk Port
- CL - Common Line
- CP - Customer's Premises
- CT MUX - Common Transport Multiplexing
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EF - Entrance Facility
- EO - End Office
- EO SP - End Office Shared Port
- EU - End User
- HUB - HUB Location
- LS - Local Switching
- MUX - EF Multiplexer
- SWC - Serving Wire Center
- TS - Tandem Switching
- TT - Tandem Transmission

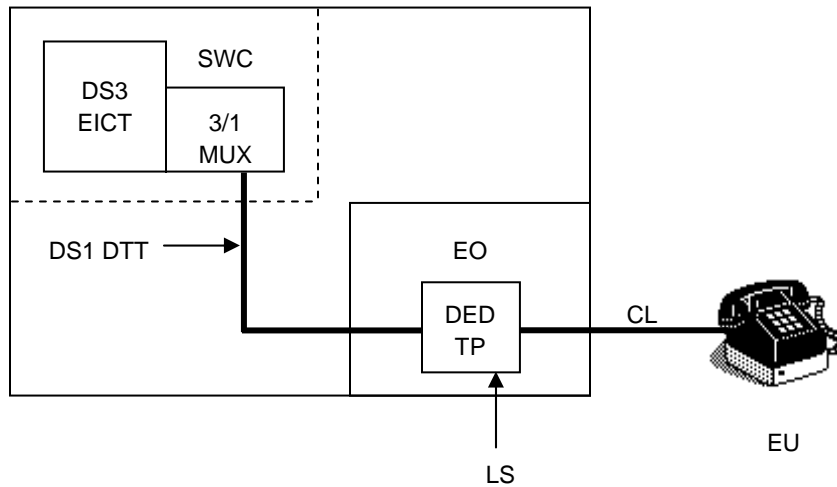
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 6

**Switched Access Service Connected
to Expanded Interconnection-Collocation**



- CL - Common Line
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EICT - Expanded Interconnection-Collocation Channel Term
- EO - End Office
- EU - End User
- LS - Local Switching
- MUX - EF Multiplexer
- SWC - Serving Wire Center

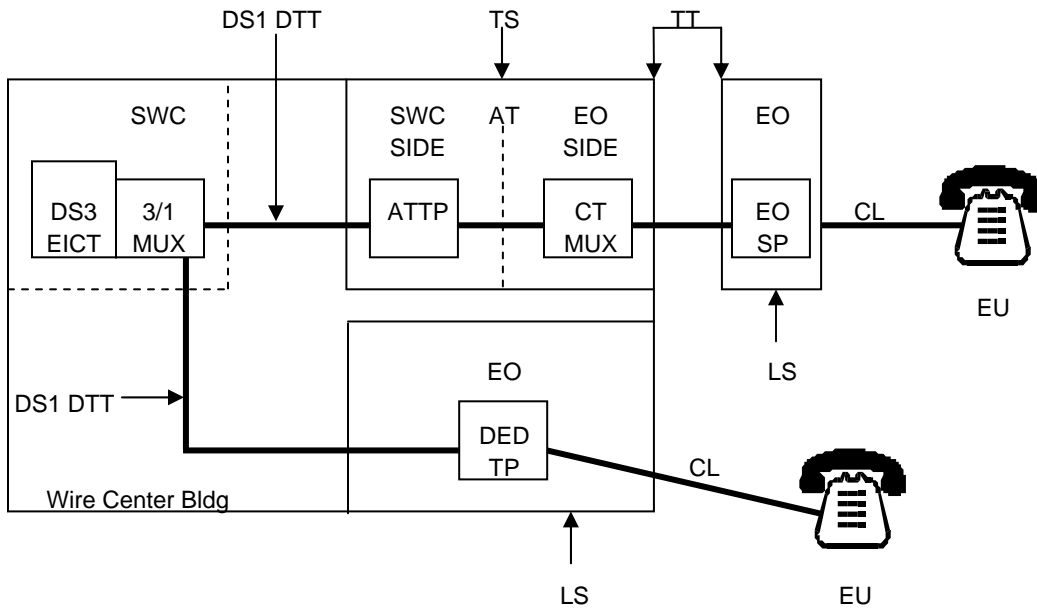
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 7

Switched Access Service Connected to Expanded Interconnection-Collocation



- AT - Access Tandem
- ATTP - Access Tandem Trunk Port
- CL - Common Line
- CT MUX - Common Transport Multiplexing
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EICT - Expanded Interconnection-Collocation Channel Term
- EO - End Office
- EO SP - End Office Shared Port
- EU - End User
- LS - Local Switching
- MUX - SWC Multiplexer
- SWC - Serving Wire Center
- TS - Tandem Switching
- TT - Tandem Transmission

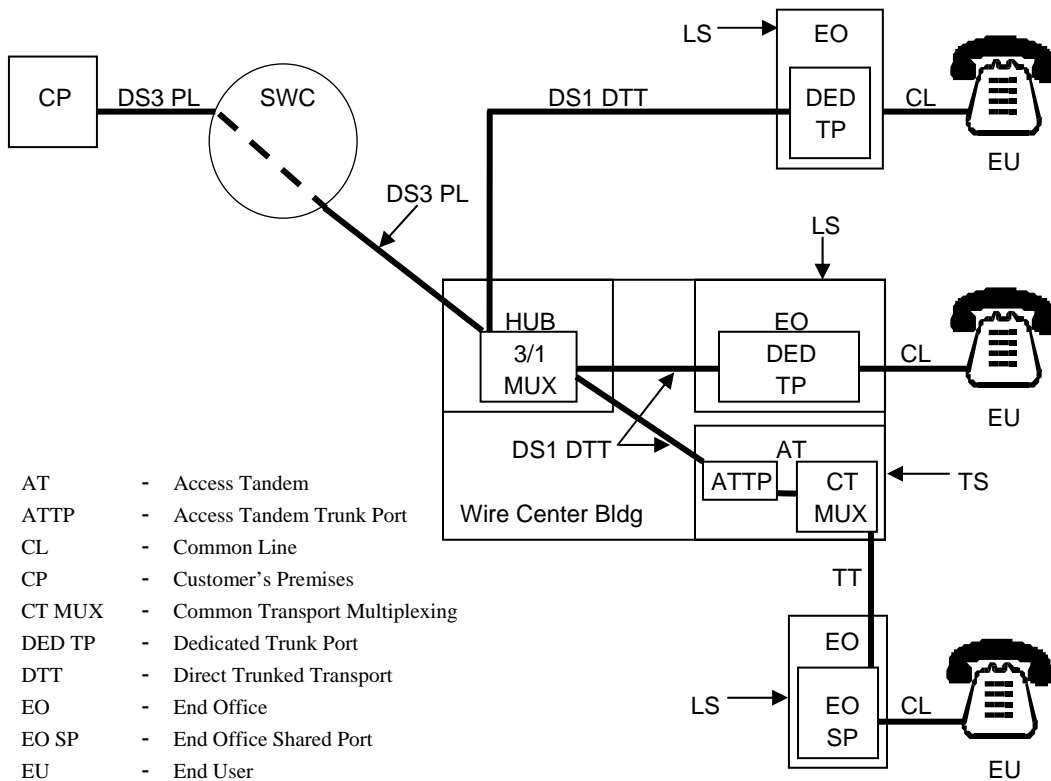
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 8

**Private Line and Switched Access
 Ordered to a Company Hub**



- AT - Access Tandem
- ATTP - Access Tandem Trunk Port
- CL - Common Line
- CP - Customer's Premises
- CT MUX - Common Transport Multiplexing
- DED TP - Dedicated Trunk Port
- DTT - Direct Trunked Transport
- EO - End Office
- EO SP - End Office Shared Port
- EU - End User
- HUB - HUB Location
- LS - Local Switching
- MUX - EF Multiplexer
- PL - Private Line
- SWC - Serving Wire Center
- TS - Tandem Switching
- TT - Tandem Transmission

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

A. Switched Transport

1. General Description

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate its communications.

Switched Transport is a two-way voice-frequency transmission path composed of an Entrance Facility (EF) and a Direct-Trunked Transport (DTT) facility for direct routed traffic. For tandem routed traffic, the Switched Transport is composed of an EF, a DTT to an access tandem and Tandem-Switched Transport (TST) from the access tandem to the subtending end offices. The transmission path permits the transport of calls in the originating direction (from the end user's end office switch to the customer's premises) and in the terminating direction (from the customer's premises to the end office switch), but not simultaneously. The voice-frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

When a Switched Access Service connects to EI Service as set forth in Section 21, following, the Switched Access Service designated SWC and customer point of interconnection are defined as set forth in 6.1.1, preceding.

The Company will work cooperatively with the customer in determining (1) the EF, (2) whether the service is to be directly routed or routed through an access tandem switch, (3) the directionality of the service and (4) the hubbing arrangements. Switched Transport optional features are provided as set forth in 4., following.

Switched Transport is provided at the rates and charges set forth in 6.8, following. The application of these rates with respect to the different types of service is as set forth in 6.7.1, following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.1. (Cont'd)

Switched Access Service is ordered under the access order provisions as set forth in Section 5, preceding. Design and traffic routing of Switched Access Service is described in 6.5.2, following.

Switched Transport is composed of an Entrance Facility (EF) rate category, as described in a., following, a Direct-Trunked Transport (DTT) rate category, as described in b., following, and a Tandem-Switched Transport (TST) rate category, as described in c., following.

a. Switched Transport EF Rate Category

An EF provides the communication path between a customer's premises and the Company SWC of that premises for the sole use of the customer. The EF rate category is composed of a Voice Grade rate, a DS1 rate or a DS3 rate. An EF is provided even if the customer's premises and the SWC are located in the same building. The types of facilities available for Entrance Facilities are described in 2., following.

The EF rate category does not apply when Switched Access Service connects to EI Service as set forth in Section 21, following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.1. (Cont'd)

b. Switched Transport DTT Rate Category

DTT provides the transmission path on circuits dedicated to the use of a single customer between:

- The customer's SWC and an end office, or;
- The customer's SWC and an access tandem, or;
- The customer's SWC and a Company Hub where multiplexing functions are performed, or;
- A Company Hub and an end office, or;
- A Company Hub and an access tandem.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.1.b. (Cont'd)

The DTT rate category is composed of a monthly fixed rate and a monthly per-mile rate based on the facility provided, (i.e., Voice Grade, DS1 or DS3). The fixed rate provides the circuit equipment at the ends of the transmission paths. The per-mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The DTT rate is the sum of the fixed rate and the per-mile rate. For purposes of determining the per-mile rate, mileage will be measured as airline mileage using the V & H coordinates method. Mileage measurement rules are set forth in 6.7.10, following. The types of facilities available for DTT are described in 2., following.

c. Switched Transport TST Rate Category

TST provides the transmission facilities between an access tandem and end offices subtending that tandem utilizing tandem switching functions. TST is not available from or to a Company Hub. TST consists of circuits used in common by multiple customers from the access tandem to an end office. For TST, the Company will determine the type of facilities to the end office(s) based on the customer's order for service on a per-trunk basis. For example of Tandem Switched Transport see Section 2.4.8 preceding.

Effective July 1, 2021, as established in the 8YY Access Charge Reform (FCC 20-143), existing tandem switching charges and transport charges for originating 8YY traffic are eliminated and a single joint tandem switched access service rate element for 8YY originating access service is established. The 8YY originating Joint Tandem Switched Transport rate is provided at the rates set forth in Section 6.8.1 C.1.

(N)
|
(N)

The TST rate category is composed of the rate elements set forth in (1) through (4), following. Rates and charges are set forth in 6.8, following.

(1) Tandem Transmission

Tandem Transmission is composed of a fixed per-MOU rate and per-mile/per-MOU rate. The fixed rate provides for the circuit equipment at the end of the interoffice transmission paths. The per-mile rate provides for the transmission facilities, including intermediate transmission circuit equipment between the end points of the interoffice circuit. For purposes of determining the per-mile rate, mileage will be measured as airline mileage using the V & H coordinates method. Mileage measurement rules are set forth in 6.7.10, following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.1.c. (Cont'd)

(2) Tandem Switching

Tandem Switching is a per-MOU rate assessed for utilizing tandem switching functions when tandem routing is requested for trunkside services. Tandem Switching is not assessed to FGA Services.

(3) Access Tandem Trunk Port

An access tandem trunk port (ATTP) is provided for each trunk terminated on the SWC side of the access tandem when the customer has requested tandem routing. The ATTP rate is assessed monthly per Feature Group trunk (excludes FGA).

(4) Common Transport Multiplexing

Common transport multiplexing equipment is utilized in the end office side of the access tandem when common transport is provided between the access tandem and the subtending end offices. This rate is assessed on a per-MOU basis. (Multiplexing equipment associated with a DTT facility ordered to the access tandem is provisioned on the SWC side of the access tandem. Multiplexing rates for EF and DTT facilities are described in 4., following, and if assessed, are in addition to the common transport multiplexing rates.)

2. Switched Transport Facilities

Customers requesting Lineside or Trunkside Switched Access service shall specify the type of Entrance Facility (Voice Grade, DS1 or DS3) between the customer's premises and the SWC. The customer shall also specify if tandem routing or direct routing will be utilized for trunkside services. If tandem routing is desired, the customer must specify the type of DTT facility (Voice Grade, DS1 or DS3) to be utilized from the SWC to the access tandem and the Company will determine the type of facilities (i.e., common transport) to the subtending end offices. Tandem routing is not available for Lineside Switched Access Service. If direct routing is requested, the customer shall specify the type of DTT facility (Voice Grade, DS1 or DS3) to be utilized from the SWC to the end office.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.2. (Cont'd)

There are three types of facilities, Voice Grade, DS1 or DS3, available to the customer for Entrance Facilities and DTT facilities for Lineside or Trunkside Switched Access Service. Following is a brief description of each type of facility. Each type has its own characteristics and is available with EF and DTT multiplexing options as set forth in 4., following.

a. Voice Grade Facility

Voice Grade facilities are available for Entrance Facilities and for DTT facilities. A Voice Grade facility is an electrical communications path which provides voice-frequency transmission in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Compatible Interface Groups are described in 3., following.

b. DS1 Facility

DS1 facilities are available for Entrance Facilities and for DTT facilities. A DS1 facility is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice-frequency transmission paths. Compatible Interface Groups are described in 3., following.

c. DS3 Facility

DS3 facilities are available for Entrance Facilities and DTT facilities. A DS3 facility is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice-frequency transmission paths. Compatible Interface Groups are described in 3., following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.2. (Cont'd)

d. Hubbing

Hubbing arrangements requested from the SWC to a hub location, or from one hub location to a different hub location, shall be ordered out of this section as DTT for Switched Access only. Hubbing arrangements ordered from Section 7 of the Interstate Access Service Tariff F.C.C. No. 11, for the provision of Shared Use services can be utilized for both PLTS and Switched Access Service. (T)

When the SWC is in the same wire center building as an end office, access tandem and/or hub, the customer must order DTT from the SWC as set forth in 1. and 2., preceding. A multiplexing function performed in the SWC for an EF is not a hubbing arrangement.

A hub is a Company designated wire center, other than the SWC, at which multiplexing functions are performed. Hubbing allows the customer to terminate a DTT facility to a hub so that the facility can be de-multiplexed to a lower capacity and the lower capacity DTT facility is then routed to an access tandem, end office or another hub. When the customer requests DTT from the SWC to a hub and facilities from the hub to an access tandem, the customer must order DTT from the hub to the access tandem and TST from the access tandem to end offices subtending that tandem.

Multiplexing functions for EF and DTT facilities are described in 4., following. Hub locations and the types of multiplexing available at each location for DS1 facilities are specified in the NECA Tariff F.C.C. No. 4. For DS3 facilities, the Company will work cooperatively with the customer to provide the desired hubbing arrangements.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A. Switched Transport (Cont'd)

3. Interface Groups

Four Interface Groups are provided for terminating Switched Transport at the customer's premises. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may, at the option of the customer, be provided with optional features as set forth in 4., following.

As a result of the customer's access order and the type of Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high-frequency facilities in channel bank equipment may require that Company equipment be placed at the customer's premises. For example, if a voice-frequency interface is ordered by the customer and the Company facilities serving the customer's premises are digital, then Company channel bank equipment must be placed at the customer's premises in order to provide the voice-frequency interface ordered by the customer.

Interface Group Transmission Specifications and Data Transmission Parameters are delineated in Technical Reference GR-334-CORE.

Only certain Network Channel Interface (NCI) codes are available at the customer's premises. The NCI codes associated with the Interface Groups may vary among different types of service based on the technical requirements. The various premises interfaces which are available with the Interface Groups, and the types of service with which they may be used, are set forth in the Technical Reference GR-334-CORE and associated addenda.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.3. (Cont'd)

Based upon the Interface Group chosen by the customer, EF and DTT multiplexing arrangements may be required. Multiplexing arrangements are described in 4., following.

When Switched Access Services are ordered in conjunction with Private Line Transport DS3 Service which is provisioned with an electrical capacity of two or greater or any optical interface, the common interface will be provisioned under the rules and regulations for Shared Use between Private Line Transport and Switched Access Services referenced in 2.7, preceding. The rate for DS3 EF electrical capacity of two or greater or any optical interface is for the billing of Shared Use only. Switched Access Services rates and charges as set forth in 6.8, following, will apply for each channel of the Shared Use facility that is used to provide Switched Access Service. Technical specifications are delineated in Qwest Corporation Technical Reference 77324.

When Interface Groups 1, 2, 6 or 9 are associated with FGD Service with SS7 Out of Band Signaling, no signaling will be done via the message channel.

When *SWITCHNET 56* Service is ordered in conjunction with FGD, it requires the use of a separate trunk group equipped with Interface Group 6. This service allows a customer to establish a connection between the customer's premises and a suitably equipped end user's premises over facilities capable of transmitting digital data at 56 kbps.

a. Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the customer's premises.

Interface Group 1 is not provided in association with Trunkside Access when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with Trunkside Access when the first point of switching provides only four-wire terminations.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.3. (Cont'd)

b. Interface Group 2

Interface Group 2 provides four-wire voice-frequency transmission at the customer's premises.

c. Interface Group 6

Interface Group 6 provides DS1-level digital transmission at the customer's premises. The interface may be provided with Clear Channel Capability.

d. Interface Group 9

Interface Group 9 provides DS3-level digital transmission at the customer's premises.

4. Optional Features

Where transmission facilities permit, the Company will, at the option of the customer, provide the following Switched Transport optional features as set forth in 6.8, following.

a. POT Supervisory Signaling Arrangements

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order a POT supervisory signaling arrangement for each transmission path. Available supervisory signaling arrangements for lineside and trunkside terminations and the technical specifications are delineated in Technical Reference GR-334-CORE.

b. Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference GR-334-CORE. This feature is available with Interface Groups 2, 6 and 9 for Feature Groups A and B.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4. (Cont'd)

c. Customer Specification of Local Transport Termination

This option allows the customer to specify, for Feature Group B routed directly to an end office or an access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Transmission Type B1 performance.

d. Multiple POTs Tandem Sectorization (MPTS)

Multiple POTs Tandem Sectorization is an optional feature designed to meet the traffic routing requirements of customers whose Feature Group C and D originating Switched Access Services are routed through an access tandem to multiple customer points of termination (POTs).

MPTS is available in connection with originating Feature Group C and D Services. MPTS allows originating Feature Group C and D traffic to be directed via an access tandem to a specific POT designated by the customer. MPTS permits customers with multiple customer POTs within a tandem serving area to balance the call volume within their respective networks. MPTS may be used in conjunction with the Common Switching Optional Feature Service Class Routing (e.g., 8XX, 900, MTS or Operator), as specified in 6.3.1, following, with the exception of *SWITCHNET 56*.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4.d. (Cont'd)

End offices subtending the tandem serving area will be divided into sectors, referred to as Feature Group C and D Tandem Sectors, which will be defined by the Company. Each Tandem Sector must be treated as a unit and cannot be subdivided. Tandem Sectors are standard for all customers who purchase MPTS. MPTS must be ordered to every sector of an access tandem. A customer with multiple customer premises POTs within the tandem serving area can designate to which POT the traffic from a specific Tandem Sector will be routed. For example, a customer with multiple customer POTs can request that all originating calls from a Tandem Sector be directed to a single POT. In addition, originating traffic from a different Tandem Sector could be routed to the same POT or a different POT as designated by the customer.

Tandem routed traffic can be delivered to a minimum number of two POTs and a maximum number of POTs that is less than or equal to the number of Tandem Sectors defined for a particular Tandem. The end offices associated with the Tandem Sectors can be found in the Qwest Corporation Tandem Sectorization Guide.

The Company shall not be required to route traffic from a Tandem Sector to more than one POT unless the customer has the optional feature, Service Class Routing as described in 6.3.1, following, in addition to MPTS. Tandem routed traffic with Service Class Routing can be delivered by traffic type to a minimum number of one POT and a maximum number of POTs that is less than or equal to the number of Tandem Sectors defined for a particular tandem. A maximum number of four (4) trunk groups with mixed traffic types in accordance with the Service Class Routing specifications is allowed for each designated Tandem Sector. Each traffic type (e.g., 8XX, 900, MTS or Operator) within a Tandem Sector can be designated to the same POT or different POTs. A customer with multiple POTs must direct all originating calls from a Tandem Sector to a single POT by traffic type.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4.d. (Cont'd)

MPTS in conjunction with Service Class Routing - A customer may designate one to four POTs per traffic type. For example, when MPTS is ordered for a specific tandem, it is possible to route all of a particular traffic type (e.g., 8XX, 900, MTS or Operator) to only one POT subtending that tandem, as long as other traffic type(s) comply to the stated MPTS guidelines of directing traffic to multiple POTs within a tandem serving area as referred to in 6.3.1, following.

MPTS in conjunction with Alternate Traffic Routing - If a customer wants a direct trunk group from an end office to alternate route to a tandem routed trunk group subtending the same end office, the customer can designate the direct routed traffic sent to any POT, but the tandem routed trunk group must be routed to the customer designated POT that is specified for the Tandem Sector as referred to in 6.3.1, following.

e. Multiplexing for EF and DTT Facilities

Multiplexing provides the capability of converting the capacity or bandwidth of a facility from a higher level to a lower level or from a lower level to a higher level. Multiplexing functions for an EF are available at a SWC. For DTT facilities, multiplexing is available at a Company Hub, end office or access tandem. Multiplexing arrangements are associated with the facility with the higher capacity or bandwidth (e.g., a DS1 to Voice Grade multiplexing arrangement is associated with the facility using a DS1 connection). (Common transport multiplexing, as described in 1., preceding, is provided on the end office side of the access tandem when tandem routing is requested.)

EF and DTT multiplexing arrangements are described following.

(1) DS1 to Voice Grade

DS1 to Voice Grade multiplexing is an arrangement that provides a Company multiplexer which converts a DS1 channel to twenty-four Voice Grade channels utilizing time division multiplexing. For example, the customer has the option of ordering a DS1 to Voice Grade multiplexer for a DS1 Entrance Facility at the SWC when Voice Grade DTT is requested to an end office.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4.e. (Cont'd)

(2) DS3 to DS1

DS3 to DS1 multiplexing is an arrangement which converts a DS3 channel to twenty-eight DS1 channels utilizing time division multiplexing. The twenty-eight channels may be further multiplexed utilizing DS1 to Voice Grade multiplexing equipment.

EF and DTT multiplexing equipment is provided at no charge by the Company (at a location determined by the Company as part of its overall network design) when the following conditions exist:

- a DTT at a DS1 level is requested from a SWC to an access tandem in conjunction with TST from an access tandem to subtending end offices, or
- a DS1 DTT facility terminates in an end office except when Lineside and Trunkside Access are combined on the same facility.

If the customer chooses to order multiplexing equipment at a location other than the location determined by the Company, the customer will be assessed EF and DTT multiplexing rates as set forth in 6.8, following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4.e.(2) (Cont'd)

EF and DTT multiplexing arrangements are required and the customer will be assessed multiplexing rates and charges as set forth in 6.8, following, when the following conditions exist:

- a DS3 EF facility is requested, or
- a DS3 EF connects to a DS1 DTT facility, or
- a DS3 EF is requested with a DS3/DS1 multiplexer and a DS1/DS0 multiplexer for connection to a Voice Grade DTT facility, or
- a DS1 EF connects to a Voice Grade DTT facility, or
- a higher capacity DTT facility connects to a lower capacity DTT facility at a Company Hub, or
- a DS3 DTT facility connects to an access tandem, end office or Company Hub, or
- a DS1 DTT facility transports a combination of Lineside and Trunkside Access to an end office on the same facility, or
- Shared Use facilities are requested.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

A.4. (Cont'd)

f. Tandem Signaling Information Option

Tandem Signaling Information (TSI) is an option of the DTT facility. TSI provides the capability of transporting in-band (MF) or out of band (SS7) signaling information over EF and DTT facilities for the purpose of providing tandem signaling information between a customer-provided tandem switch premises and a Company equal access end office. In-band TSI provides the Carrier Identification Code (CIC) which identifies the interexchange carrier and the 0ZZ code which identifies the interexchange carrier trunk to which traffic should be directly routed. For out of band TSI, the CIC and 0ZZ code equivalent is provided in the Transit Network Selection (TNS) and the Network Identification Code (NIC) of the SS7 parameter initial address message. When a customer requires TSI to be provided out of band, the customer must order CCSAC Service using the Common Channel Signaling Network (CCSN) as set forth in Section 15, following.

When TSI is ordered on a DTT facility only FGD Service may be transported over the facility.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

B. Local Switching

The Local Switching rate category provides the local end office switching, end user line termination and intercept functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The Local Switching rate category includes the Local Switching rate element.

The Local Switching rate element is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B. The second category, LS2, provides local dial switching for Feature Groups C and D, and for Feature Groups A and B originating or terminating access minutes when the service is provided to customers who furnish MTS/WATS.

Rates for LS1 and LS2 are set forth in 6.8 following. The application of these rates with respect to the different types of service is as set forth in 6.7.1 following.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

B. Local Switching (Cont'd)

1. Local End Office Switching Functions

a. Common Switching

Common Switching provides the local end office switching functions associated with the various access switching arrangements. The service arrangements are described in 6.2, following.

Included as part of Common Switching are various optional features which the customer can order to meet its specific communications requirements. These optional features are described in 6.3.1, following.

b. Transport Termination

Transport Termination provides for the lineside or trunkside arrangements which terminate the Switched Transport facilities. Included as part of Transport Termination are various optional termination arrangements. These optional terminating arrangements are described in 6.3.2, following.

The number of Transport Terminations provided for the lineside or trunkside arrangement will be determined by the Company as set forth in 6.5.8, following. The number of transmission paths will be determined as set forth in 6.5.7, following.

2. Line Termination Functions

WATS Access Line Terminations are provided for end user lines terminating in local end offices.

The WATS Access Line Terminations are differentiated by lineside vs trunkside terminations. In addition, there are various types of originating and terminating lineside terminations depending on the type of signaling associated with the WATS Access Line. Lineside terminations are available with either dial pulse or dual tone multifrequency address signaling.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES

B. Local Switching (Cont'd)

3. Intercept Function

The Intercept function provides for the termination of a call at a Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

4. Local Switching Rate Categories

a. End Office Shared Port

The End Office Shared Port rate provides for the termination of common transport trunks in shared end office ports and in remote switching system or module (RSS or RSM) ports. The End Office Shared Port rate is assessed on a per-MOU basis to all trunkside originating and terminating access minutes utilizing tandem routing to an end office. If tandem routing is being utilized to a RSS or RSM (via a host office), the shared port rate is assessed to the access minutes originating or terminating from that RSS or RSM and is not assessed at the host office. If the customer has requested direct routing from the SWC to a RSS or RSM (via a host office), the End Office Shared Port rate is assessed to the access minutes originating or terminating from the RSS or RSM. This rate is in addition to the End Office Dedicated Trunk Port rate assessed for the dedicated trunk terminating in the host office as described below. The port charge is not assessed to FGA or DA traffic.

b. End Office Dedicated Trunk Port

The End Office Dedicated Trunk Port rate provides for termination of a trunk to a dedicated trunk port in an end office. The rate is assessed per month for each FG trunk in service (excludes FGA) directly routed (via DTT) between the SWC and the end office. The rate is not assessed to trunks directly routed to a DA location.

6. SWITCHED ACCESS SERVICE

6.1 GENERAL (Cont'd)

6.1.3 FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Facilities Protection - Special Facilities Routing (i.e., Avoidance, Diversity, Cable-Only and Hot Standby Protection) are set forth in Section 4 of the Private Line Transport Services Catalog.

6.1.4 DESIGN LAYOUT REPORT

The Company will provide to the customer the makeup of the facilities and services provided from the customer's premises to the first point of switching or from the customer's point of interconnection to the first point of switching when Switched Access Service connects to EI Service, as set forth in Section 21, following. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

6.1.5 ACCEPTANCE TESTING

At no additional charge, the Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Switched Transport is provided with Interface Groups 2, 6 and 9, as available, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested. When the Switched Transport is provided with Interface Group 6 or 9, the Company will, at the customer's request, mutually negotiate, at the time of installation, the use of the customer's 108 type test line capabilities to conduct digital testing on 56 kbps, 64 kbps and 64 kbps Clear Channel service.

6.1.6 ORDERING OPTIONS AND CONDITIONS

Switched Access Service is ordered under the Access Order provisions set forth in Section 5, preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Cancellation Charges, etc.).

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

- A. Switched Access Service is provided in different serving arrangements. The provision of each type of Switched Access Service requires Switched Transport facilities (Entrance Facilities, DTT Facilities and TST Facilities), multiplexing equipment and the appropriate Local Switching functions.
- B. Transmission Types, (i.e., A1, B, B1 and C) have been identified for the provision of Switched Access Service. The Transmission Types are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The standard parameter limits for the Transmission Types are set forth in Technical Reference GR-334-CORE and associated addenda.
- C. Serving arrangements are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to the Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Company will work cooperatively with the customer to determine the directionality.
- D. There are various optional features available with Switched Access Service. These additional features are provided as Switched Transport, Common Switching, Transport Termination or Line Termination (i.e., WATS Access Line Termination).
- E. Following are detailed descriptions of each of the available Switched Access Services. Each service is described in terms of its specific physical characteristics and calling patterns, the transport provisioning, the transmission specifications with which it is provided, the optional features available for use with it and the standard testing capabilities.
- F. The Common Switching and Transport Termination optional features, which are described in 6.3, following, unless specifically stated otherwise, are available at all Company end office switches.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.1 FEATURE GROUP A (FGA)

A. Description

1. FGA Access provides lineside access to Company end office switches for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's intrastate service or a customer-provided intrastate communications capability. The customer must specify the Interexchange Carrier to which the FGA Service is connected or, in the alternative, specify the means by which the FGA Access communication is transported within the state.
2. FGA is provided in connection with Company electronic and electromechanical end offices. FGA may be transported via a DS3, DS1 or Voice Grade Entrance Facility and via a DS3, DS1 or Voice Grade DTT facility. When the customer orders FGA and Trunkside Access to be transported via the same DTT facility, DS1 to Voice Grade multiplexing equipment is always required at the end office at the rates and charges set forth in 6.8, following. When the customer does not combine FGA and Trunkside Access on the same facility, the Company will provide DS1 to Voice Grade multiplexing equipment at no charge. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
3. FGA provides a lineside termination at the first point of switching. The Technical Specifications for these terminations are provided in Technical Reference GR-334-CORE and associated addenda.
4. The Company shall select the first point of switching, within the selected LATA, at which the lineside termination is to be provided unless the customer requests a different first point of switching and Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.
5. A seven digit local telephone number assigned by the Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.
6. If the customer requests a specific seven digit telephone number that is not currently assigned, and the Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA)

A. Description (Cont'd)

7. FX/ONAL FGA switching, when used in the terminating direction, may be used to access valid NXX codes within the same local calling area in which the first point of switching is located. MTS/WATS-type FGA switching in the terminating direction may be used to access valid NXX codes in the LATA. In addition, both FX/ONAL FGA and MTS/WATS-type FGA, when used in the terminating direction, may be used to access local operator service (0- and 0+), emergency reporting service (911 where available), exchange telephone repair (611 where available), community information services of an information service provider, and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will be billed on a separate account for:
 - a. an operator surcharge for local operator assistance (0- and 0+) calls,
 - b. calls to certain community information services in accordance with the Information Provider's applicable service rates when the Company performs the billing function for the Information Provider,
 - c. calls from an FGA line to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer.
8. FGA calls terminating outside of the dial tone office are assessed Tandem Transmission rates in addition to the applicable Switched Access rates when calls are terminated within the dial tone office. Tandem Transmission mileage measurement is described in 6.7.10, following.
9. When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
10. FX/ONAL FGA Switching can be ordered by an end user when used in conjunction with a Foreign Exchange (FX) service or an Off Network Access Line (ONAL) service. FX/ONAL FGA charges will be billed to the end user. FX/ONAL FGA Switching is not permitted for use with the provisioning of MTS/WATS-type service.

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

TRANSMITTAL NO. 13-01-SID

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA) (Cont'd)

B. Optional Features

1. Common Switching Optional Features

- Hunt Group Arrangement
- Uniform Call Distribution Arrangement
- Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- Call Denial
- Service Code Denial
- Feature Group A InterLATA Toll Denial

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA)

B. Optional Features (Cont'd)

2. Transport Termination Optional Features

- Two-way operation with dial pulse address signaling and loop start supervisory signaling
- Two-way operation with dial pulse address signaling and ground start supervisory signaling
- Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- Terminating operation with dial pulse address signaling and loop start supervisory signaling
- Terminating operation with dial pulse address signaling and ground start supervisory signaling
- Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- Originating operation with loop start supervisory signaling
- Originating operation with ground start supervisory signaling

3. Switched Transport Optional Features

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA)

B. Optional Features (Cont'd)

4. Where technically feasible and operating conditions permit, certain other features which may be available in connection with Feature Group A are provided under the Exchange and Network Services Catalog. These are:
 - Billed Number Screening
 - Open Switch Interval Protection (OSIP)
 - Message Delivery Service
 - Message Waiting Indication
 - Queuing on Uniform Call Distribution
 - Delay Announcement on Uniform Call Distribution
 - Abbreviated Access/Activation
 - Answer Supervision - Line Side
 - Call Forwarding - Busy Line
 - Call Forwarding - Busy Line (Expanded)
 - Call Forwarding - Busy Line (Programmable)
 - Call Forwarding - Busy Line/Don't Answer
 - Call Forwarding - Busy Line/Don't Answer (Expanded)
 - Call Forwarding - Don't Answer
 - Call Forwarding - Don't Answer (Expanded)
 - Call Forwarding - Don't Answer (Programmable)
 - Call Forwarding - Variable

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA)

B.4. (Cont'd)

- Call Rejection
- Call Trace
- Call Transfer
- Call Waiting
- Call Identification - Bulk
- Call Identification - Name and Number
- Call Identification - Number
- Continuous Redial
- Custom Ringing
- Dial Call Waiting
- Directed Call Pickup
- Directed Call Pickup with Barge-in
- Distinctive Alert
- Hot Line
- Last Call Return
- Make Busy
- Priority Call
- Selective Call Forwarding
- Speed Calling (8 number)
- Speed Calling (30 number)
- Three-Way Calling
- Warm Line

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.1 FEATURE GROUP A (FGA) (Cont'd)

C. Transmission Performance

FGA is provided with Transmission Type B or Type C performance. The standard parameter limits associated with these Transmission Types are guaranteed to the first point of switching. Transmission Type C performance is provided with Interface Group 1 and Transmission Type B performance is provided with Interface Groups 2, 6 and 9, as available. Voiceband Data Transmission Type DB parameter limits are provided with FGA to the first point of switching as delineated in Technical Reference GR-334-CORE.

D. Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.5, preceding which are included with the installation of service, additional Cooperative Acceptance Testing and Nonscheduled Testing are available for FGA as set forth in Section 12, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.2 FEATURE GROUP B (FGB)

A. Description

1. FGB Access provides trunkside access to Company end office switches for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's intrastate service or a customer-provided intrastate communications capability. The customer must specify the Interexchange Carrier to which the FGB Service is connected, or in the alternative, specify the means by which the FGB access communications is transported within the state.
2. FGB, when directly routed to an end office via DTT, is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches with TST, FGB switching is provided at Company electronic and electromechanical end office switches.
3. When FGB Service is directly routed to an end office, the Switched Transport configuration is composed of an Entrance Facility and a DTT facility to an end office. When FGB is switched through an access tandem, the Switched Transport configuration is composed of an Entrance Facility, a DTT facility between the SWC and the access tandem and TST from the access tandem to the end offices subtending the access tandem. Multiplexing options are described in 6.1.2, preceding.
4. FGB is provided as trunkside switching through the use of end office or access tandem switch trunk equipment. The Technical Specifications for these terminations are provided in Technical Reference GR-334-CORE and associated addenda.
5. FGB switching is provided with multifrequency (MF) address signaling in both the originating and terminating directions. For address signaling format specifications see Technical Reference GR-334-CORE and associated addenda.
6. The access code for non-8XX DB Access Service FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX or 1+950-XXXX for carriers. These uniform access codes will be the assigned access numbers of all non-8XX DB Access Service FGB Switched Access Service provided to the customer by the Company. No access code is required for FGB switching used to provide 800 DB Access Service. The telephone number dialed by the customer's end users is of the form 1+8XX-NXX-XXXX.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.2 FEATURE GROUP B (FGB)

A. Description (Cont'd)

7. FGB switching, when used in the terminating direction, may be used to access valid NXX codes in the LATA, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When FGB is directly routed to an end office via DTT, only those valid NXX codes served by that end office may be accessed. When FGB is routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 101XXXX, 950-XXXX (or 1+950-XXXX) access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212, where available) and service codes 611 or 911. FGB may not be switched, in the terminating direction, to another Trunkside Switched Access Service.
8. The Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Company.
9. When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.2 FEATURE GROUP B (FGB) (Cont'd)

B. Optional Features

1. Common Switching Optional Features

- Automatic Number Identification (ANI)
- Up to 7 Digit Outpulsing of Access Digits to Customer
- Alternate Traffic Routing

2. Switched Transport Optional Features

- Customer Specification of Switched Transport Termination
- Supervisory Signaling
- Customer Specified Entry Switch Receive Level

3. Another feature, Billed Number Screening, which may be available in connection with FGB, is provided under the Company's Exchange and Network Services Catalog.

C. Transmission Performance

FGB is provided with Transmission Type B1 performance. Transmission Type B1 standard parameter limits apply to the transmission path routed directly (i.e., between the customer's premises and the end office) and to each segment of an access tandem connection. Transmission Type B1 performance is provided with Interface Groups 1, 2, 6 and 9, as available. Voice band data Transmission Type DB1 parameter limits are provided with FGB when routed directly and to each segment of an access tandem connection as delineated in Technical Reference GR-334-CORE.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.2 FEATURE GROUP B (FGB) (Cont'd)

D. Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.5, preceding, which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available for FGB as set forth in Section 12, following.

6.2.3 FEATURE GROUP C (FGC)

A. Description

1. FGC Access, which is available only to providers of MTS and WATS, provides trunkside access to Company end office switches for the customer's use in originating and terminating communications.
2. FGC is provided at all Company end office switches on a direct trunk basis via DTT or via Company designated access tandem switches with TST. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless FGD end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.
3. When FGC Service is directly routed to an end office, the Switched Transport configuration is composed of an Entrance Facility and DTT facilities to an end office. When FGC is switched through an access tandem, the Switched Transport configuration is composed of an Entrance Facility, a DTT facility between the SWC and the access tandem and TST from the access tandem to the end offices subtending the access tandem. Multiplexing options are described in 6.1.2, preceding.
4. FGC is provided as trunkside switching through the use of end office or access tandem switch trunk equipment. The Technical Specifications for these terminations are provided in Technical Reference GR-334-CORE and associated addenda.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.3 FEATURE GROUP C (FGC)

A. Description (Cont'd)

- 5. No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end user in their own NPA is NXX-XXXX, 0 or 1 + NXX-XXXX.
- 6. FGC switching, when used in the terminating direction, may be used to access valid NXX codes in the LATA, community information services of an information provider, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When FGC is directly routed to an end office via DTT, only those valid NXX codes served by that end office may be accessed. When FGC is routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. Additionally, non-access charges will also be billed for calls from a FGC trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 101XXXX, 950-XXXX (or 1+950-XXXX) access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212) and service codes 611 or 911. FGC may not be switched, in the terminating direction, to another Trunkside Switched Access Service.
- 7. The Company will provide 0+ and 0- intraLATA access from pay telephones utilizing Smart Public Access Lines via FGC for calls dialed as 0+ or 0- and/or 101XXXX 1+ in the following manner. 1+ interLATA sent-paid access from pay telephones utilizing Basic Public Access Lines Service shall be provided by FGD. (C)
(C)

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.3 FEATURE GROUP C (FGC)

A.7. (Cont'd)

a. Smart Public Access Line (PAL)

For traffic originating from a Smart PAL, the customer to whom such calls are routed shall order FGC trunks from end offices to the customer's premises via direct trunks or via Operator Access Tandems, with the Operator Trunk-Full Feature type of transport termination, as set forth in 6.3.2, following. The trunks must be dedicated, and the customer shall specify the number of trunks required at each end office from which the customer will receive 0+ or 0- traffic.

(C)

The customer is responsible for providing all other operator services signaling capabilities, as described in the Operator Services Systems Generic Requirements (OSSGR) Technical Reference FR-271 and the LATA Switching Systems Generic Requirements (LSSGR) Technical Reference FR-64.

When the Company provides Operator Services Signaling (OSS) between an Operator Access Tandem and the customer's premises, the customer will be required to order a separate and final trunk group from the Operator Access Tandem to the customer's premises for each Numbering Plan Area (NPA) within a LATA to identify the originating NPA. Also, the customer must order a separate trunk group for each type of coin control signaling that is utilized among the equal access end offices subtending an Operator Access Tandem.

The Company will not block 101XXXX 0+ or 0- calls and will route 101XXXX traffic in accordance to the end user request. It will be the responsibility of the 101XXXX 1+ dialed carrier to complete the casual 101XXXX intraLATA call or to provide a recorded message to the end user.

(C)

(C)

(D)

(D)

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.3 FEATURE GROUP C (FGC)

A. Description (Cont'd)

8. The Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Company.

B. Optional Features

1. Common Switching Optional Features

- Automatic Number Identification (ANI)
- Service Class Routing
- Dial Pulse Address Signaling
- Delay Dial Start-Pulsing Signaling
- Immediate Dial Pulse Address Signaling
- Alternate Traffic Routing
- Trunk Access Limitation
- WATS Access Service

2. Transport Termination Optional Features

Operator Trunks - (i.e., Coin, Non-Coin, and Combined Coin and Non-Coin.)

3. Switched Transport Optional Features

- Supervisory Signaling
- MPTS

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.3 FEATURE GROUP C (FGC) (Cont'd)

C. Transmission Performance

FGC is provided with Transmission Type B1 performance. Transmission Type B1 standard parameter limits apply to the transmission path routed directly (i.e., between the customer's premises and the end office) and to each segment of an access tandem connection. Transmission Type B1 performance is provided with Interface Groups 1, 2, 6 and 9, as available. Voice band data Transmission Type DB1 parameter limits are provided with FGC when directly routed and to each segment of an access tandem connection as delineated in Technical Reference GR-334-CORE.

D. Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.5, preceding, which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing, and Nonscheduled Testing are available for FGC as set forth in Section 12, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.4 FEATURE GROUP D (FGD)

A. Description

1. FGD is provided at Company designated end office switches whether routed directly to an end office or via Company designated electronic access tandem switches. FGD is also provided at Company equal access end office switches that subtend a TSP's premises when the DTT facility is equipped with TSI.
2. FGD is provided as trunkside switching through the use of end office or access tandem switch trunk equipment. Wink-start, start-pulsing and answer-supervisory signaling are sent by the terminating office. Disconnect-supervisory signaling is sent from the originating or terminating office. When FGD uses SS7 out of band signaling, no signaling will be done via the message channel.
3. When FGD Service is directly routed to an end office, the Switched Transport configuration is composed of an Entrance Facility and a DTT facility to an end office. When FGD is switched through an access tandem, the Switched Transport configuration is composed of an Entrance Facility, a DTT facility between the SWC and the access tandem and TST from the access tandem to the end offices subtending the access tandem. Multiplexing options are described in 6.1.2, preceding.
4. FGD switching is provided with multifrequency address signaling or SS7 Out of Band Signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided. With SS7 Out of Band Signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals is provided by the Company equipment to the customer's designated premises via CCSAC links. SS7 Out of Band Signaling requires the customer to order the SS7 Out of Band Signaling optional feature, as set forth in 6.3, following, and CCSAC Service as set forth Section 15, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.4 FEATURE GROUP D (FGD)

A. Description (Cont'd)

6. Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 101XXXX, 950-XXXX (or 1+950-XXXX) access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212) and service codes 611 or 911. FGD may not be switched, in the terminating direction, to another Trunkside Switched Access Service.
7. The Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, or in the case of *SWITCHNET 56* Service, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Company.
8. The uniform access code for FGD switching is a uniform access code of the form 101XXXX. These uniform access codes will be the assigned access numbers of all FGD access provided to the customer by the Company. No access code is required for calls to a customer over FGD Switched Access Service if the end user's Telephone Exchange Service is arranged for presubscription as set forth in Section 12, following.
 - a. Where no access code is required, the number dialed by the customer's end user shall be a seven digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end user in their own NPA is NXX-XXXX, 0, 00 or 1 + NXX-XXXX.
 - b. When the 101XXXX access code is used, FGD switching also provides for dialing the digit 0 or 00 for access to the customer's operator, 911 for access to the Company's emergency reporting service, or at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises.
9. FGD switching will be arranged to accept calls from Telephone Exchange Service locations without the need for dialing 101XXXX uniform access code. Each Telephone Exchange Service line may be marked with a presubscription code to identify which 101XXXX uniform access code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 12, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.4 FEATURE GROUP D (FGD)

A. Description (Cont'd)

10. When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Company, the Company will, for a period of 90 days after the installation of the FGD access service (unless the customer requests a shorter period), direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which require the customer to receive additional address signaling from the end user. The customer must be prepared to handle both the FGB and FGD signaling on the same trunks. Such calls will be rated as FGD.
11. The Company will provide 1+ interLATA sent-paid access from equal access end offices to the customer's premises for calls dialed as 1+ and/or 101XXXX 1+ from pay telephones utilizing PAL Service, Smart and Basic, in the following manner.

a. Smart PAL

For traffic originating from a Smart PAL, the customer to whom such calls are routed shall order FGD trunks from equal access end offices to the customer's premises via direct trunks or via Operator Access Tandems, with the Operator Trunk-Full Feature type of transport termination, as set forth in 6.3.2, following. The trunks must be dedicated, and the customer shall specify the number of trunks required at each end office from which the customer will receive 1+ sent-paid traffic.

The customer is responsible for providing all other operator services signaling capabilities, as described in the Operator Services Systems Generic Requirements (OSSGR) Technical Reference FR-271 and the LATA Switching Systems Generic Requirements (LSSGR) Technical Reference FR-64.

When the Company provides Operator Services Signaling (OSS) between an Operator Access Tandem and the customer's premises, the customer will be required to order a separate and final trunk group from the Operator Access Tandem to the customer's premises for each Numbering Plan Area (NPA) within a LATA to identify the originating NPA. Also, the customer must order a separate trunk group for each type of coin control signaling that is utilized among the equal access end offices subtending an Operator Access Tandem.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.4 FEATURE GROUP D (FGD)

A.11.a. (Cont'd)

The Company will not block 101XXXX 1+ calls and will route 101XXXX 1+ interLATA sent-paid traffic in accordance to the end user request. It will be the responsibility of the 101XXXX 1+ dialed carrier to complete the casual 101XXXX 1+ interLATA sent-paid call or to provide a recorded message to the end user.

The Company will perform normal acceptance testing for sent-paid services for Smart PALs. In addition, the Company will perform testing for coin control and Operator Trunk-Full Feature (i.e., coin collect, coin return, 1+ person-to-person, operator recall, overtime and information calls). Test data files must be received from the customer that will be processing the 1+ interLATA sent-paid traffic 45 days prior to the routing of said 1+ traffic to that customer. The Company will provide optional testing, at the request of the customer, as set forth in Section 12, following.

(C)

b. Basic PAL

For traffic originating from a Basic PAL, the Company shall provide 1+ interLATA sent-paid access from equal access end offices to the customer's premises via FGD trunks. For traffic originating from a Basic PAL dialed as 1+ and/or 101XXXX 1+, the customer to whom such calls are routed shall order or have existing FGD trunks with ANI optional feature, as set forth in 6.3.1, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.4 FEATURE GROUP D (FGD) (Cont'd)

B. Optional Features

1. Common Switching Optional Features

- Automatic Number Identification (ANI)
- Service Class Routing
- Alternate Traffic Routing
- Trunk Access Limitation
- Cut-Through
- WATS Access Service
- SS7 Out of Band Signaling
- Clear Channel Capability
- *SWITCHNET 56* Service
- MPTS

2. Transport Termination Optional Features

- Operator Trunk, Full Feature
- Operator Trunks - (i.e., Coin, Non-coin, and Combined Coin and Non-Coin)

3. Switched Transport Optional Features

- Supervisory Signaling
- MPTS

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.4 FEATURE GROUP D (FGD) (Cont'd)

C. Transmission Performance

FGD is provided with either Transmission Type A1 or Type B1 performance as follows:

- When routed directly to the end office, Transmission Type B1 is provided.
- When routed to an access tandem, only Transmission Type A1 is provided for both the POT-to-access tandem and access tandem-to-end office trunks.
- Overall POT to end office requirements for FGD provide Transmission Type B1 performance whether routed directly with Transmission Type B1 or via an access tandem with Transmission Type A1.

Transmission Type B1 performance is provided with Interface Groups 1, 2, 6 and 9, as available. Transmission Type A1 performance is provided with Interface Groups 2, 6 and 9, as available.

Voice band data Transmission Type DB1 parameter limits are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office. Voice band data Transmission Type DA1 parameter limits are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Voice band data transmission parameter limits are delineated in Technical Reference GR-334-CORE.

D. Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line, open circuit test line and non-inverting digital loopback (108 type) test line.

In addition to the tests described in 6.1.5, preceding, which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing, and Nonscheduled Testing, are available for FGD as set forth in Section 12, following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.5 800 DATA BASE ACCESS SERVICE

A. General Description

800 Data Base (800 DB) Access Service is an originating service utilizing Trunkside Switched Access Service which provides for the forwarding of end user dialed 800+NXX-XXXX calls to a customer based on the dialed 8XX number. 800 DB Access Service must be ordered to all end offices in a LATA and provisioned, at a minimum, to all access tandems[1] and operator switches equipped as SSPs within a LATA. If the customer is utilizing another carrier's facilities to meet the LATA-wide minimum requirement, the customer must provide a letter signed by the access customer ordering the 800 DB Access Service and the partnering carrier indicating LATA-wide coverage. In addition, the provision of 800 DB Access Service requires the customer's direct access to the Service Management System/800 (SMS/800), or as an alternative, the provision of such service by a Responsible Organization in accordance with the Guidelines for 800 Data Base.

When an 8XX call is originated by an end user, the Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed in accordance with SMS/800 information residing in the Company's Service Control Point (SCP).

The customer has the option of having the dialed 8XX number (i.e., 8XX+NXX-XXXX or the translated Plain Old Telephone Service (POTS) number (i.e., NPA+NXX-XXXX) delivered. If the translated POTS number is delivered, the customer must request the POTS Translation vertical feature through the Responsible Organization as described in B., following. The service provider will be unable to determine that such calls originated as 1+8XX+NXX-XXXX dialed calls unless the customer also orders the Automatic Number Identification (ANI) feature through the Company as described in 6.3.1, following.

800 DB Access Service provided from an equal access end office will be provisioned from the SSP switch as Feature Group D. Calls originating from end offices not equipped with equal access capabilities will be converted at the SSP switch to standard Feature Group D format.

[1] 800 Data Base Access Service is not provided via a DTT facility equipped with Tandem Signaling Information.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.5 800 DATA BASE ACCESS SERVICE

A. General Description (Cont'd)

When the customer orders 800 DB Access Service for the transmission of both voice and data traffic, the customer must order Clear Channel Capability (CCC) for provisioning of its data traffic.

The customer's 8XX Access Service voice or data traffic may be combined in the same trunk group arrangement with the customer's non-8XX Access Service voice or data traffic or provisioned on a separate trunk group, unless prohibited by technical limitations.

Measurement of 800 DB Access Service usage shall be in accordance with the regulations set forth in 6.7.6, following, for Trunkside Switched Access Service. Specifically, 800 DB Access Service originating usage, whether combined with non-8XX Access Service usage on trunk groups or provided using dedicated trunk groups, shall be measured in the same manner as specified for non-8XX Access Service usage over Trunkside Switched Access Service.

The Company must be notified twenty-four (24) hours prior to any media stimulation. The Company maintains the right to apply protective controls, i.e., those actions such as call gapping, to ensure the provisioning of acceptable service to all telecommunications users of the Company's network services.

Application of rates for 800 DB Access Service shall be as set forth in 6.7.1, following.

B. Vertical Features

In addition to the basic carrier identification function, 800 DB Access Service subscribers may request vertical features through a Responsible Organization in accordance with the SMS/800 User Guide. Vertical features will be maintained within the Company's SCP when technically feasible. The POTS Translation feature is described in 1., following, and the Call Handling and Destination Features are described in 2., following.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.5 800 DATA BASE ACCESS SERVICE

B. Vertical Features (Cont'd)

1. POTS Translation

The POTS Translation vertical feature provides the option of having the ten digit POTS number (i.e., NPA+NXX-XXXX) delivered instead of the 8XX dialed number (i.e., 8XX+NXX-XXXX) delivered to the service provider. If the POTS Translation feature is requested through the Responsible Organization, the service provider will be unable to determine that such calls originated as 1+8XX+NXX-XXXX dialed calls unless the service provider also orders, through the Company, the Automatic Number Identification (ANI) optional feature as described in 6.3.1, following. ANI information digits of "24" indicating that the call originated as an 8XX dialed call is delivered when the ANI optional feature is ordered.

A POTS Translation Charge as described in 6.7.1, following, is assessed to the service provider for each 8XX call delivered.

2. Call Handling and Destination Features

Call Handling and Destination Features allow service subscribers variable routing options by specifying a single carrier, multiple carriers (Exchange and/or Interexchange Carriers), single termination or multiple terminations. Multiple terminations require the POTS Translation feature described in 1. preceding. The following variable routing options are available:

- Routing by Originating NPA+NXX-XXXX
- Time of Day
- Day of Week
- Specific Date
- Allocation by Percentage

Routing by originating NPA+NXX-XXXX, where technically feasible, allows a service subscriber to specify one or more multiple terminations with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers) based on where a call originates.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE

6.2.5 800 DATA BASE ACCESS SERVICE

B.2. (Cont'd)

Time of Day/Day of Week allows a service subscriber to specify one or more multiple terminations with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers) based on the time of day or day of week the call originates.

Specific Date allows the service subscriber to specify alternate service routes with the date the call originates. These calls can be routed to one of multiple terminations, with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers).

Allocation by Percentage allows the service subscriber to specify by percentage the calls to be allocated to multiple terminations and/or multiple carriers (Exchange and/or Interexchange Carriers).

A Call Handling and Destination Feature Query Charge as described in 6.7.1 following, is assessed to the service provider for each 8XX query to the SCP which utilizes one or more of the Call Handling and Destination Features.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.6 900 ACCESS SERVICE

900 Access Service is an originating service utilizing Trunkside Switched Access Service. The service provides a customer identification function based on the dialed NXX. When a 1+900+NXX-XXXX or 0+900+NXX-XXXX call is originated by the end user, the Company will determine, based on the NXX dialed, the customer to which the 900 call is to be routed. This six-digit routing function will be performed at suitably equipped end office and access tandem switches as determined by the Company.

The manner in which 900 Access Service is provisioned is dependent on the status of the end office which serves the end user customer who places a 900 call (i.e., equipped or not equipped with equal access capability) and/or the status of the customer (i.e., MTS/WATS provider or MTS/WATS-type provider). When 900 Access Service is provided from an end office equipped with equal access capability, all such service will be provisioned as Feature Group D or 900 Access Service. When 900 Access Service is provided from an end office not equipped with equal access capability, such service will be provisioned as Feature Group C or 900 Access Service utilizing traditional signaling with answer supervision.

900 Access Service is available only as a LATA wide service and must be provisioned to all offices within the LATA. 900 Access Service may be provisioned with 1+900+NXX-XXXX dialing capability or expanded to include 0+900+NXX-XXXX dialing capability. The Expanded 900 Option is not offered without 1+900 Access Service within a LATA and is available only with Feature Group D Service in suitably equipped Company end offices.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE **6.2.6 900 ACCESS SERVICE (Cont'd)**

Calls originating in a LATA in which the customer has not ordered 900 Access Service will be blocked. Only customers who order the Expanded 900 (i.e., 0+900+NXX-XXXX) Option will be able to receive 0+900 calls to NXX codes assigned to them. In addition, calls originating in a LATA for which 900 Access Service has been established will be blocked utilizing the blocking specifications as follows:

- 1+900+NXX-XXXX will be blocked from smart public access lines, 0+, 101XXXX, Inmate Service, Hotel/Motel Service (except those with customer-owned rating services).
- 0+900+NXX-XXXX will be blocked from 101XXXX and Inmate Service.

At the option of the customer, 900 Access Service traffic may be collected at suitably equipped end offices and/or access tandems. However, the customer must collect 900 traffic at all access tandems within the LATA. Network constraints do not permit multiple tandem arrangements for routing of 900 traffic.

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE
6.2.6 900 ACCESS SERVICE (Cont'd)

For 900 Access Service provisioned as Feature Group C or D, the customer may establish a separate trunk group or combine 900 traffic with other traffic types for access from suitably equipped end offices and access tandems. For 900 Access Service provisioned with traditional signaling and answer supervision, network limitations require routing of 900 traffic from suitably equipped end offices and access tandems via a dedicated trunk group. Additionally, only 900 traffic will be routed over the dedicated trunk group.

Measurement of 900 Access Service usage shall be in accordance with the regulations set forth in 6.7.6, following, for Feature Groups C and D. Specifically, 900 Access Service originating usage shall be measured in the same manner as that specified for Feature Groups C and D, whether provisioned separately (i.e., dedicated trunk group) or combined with other traffic types.

The Company must be notified 24 hours prior to any media stimulation. The Company maintains the right to apply protective controls, i.e., those actions such as call gapping, to ensure the provisioning of acceptable service to all telecommunications users of the Company's network services.

The rates and charges for 900 Access Service are described in 6.7.1, following.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Switched Access Services. They are provided as either Common Switching or Transport Termination options.

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

A. Call Denial On Line Or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for the completion only of calls to 411, 611, 911, 8XX, 555-1212 and a Company specified set of NXXs within the Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all Company electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

B. Service Code Denial On Line Or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611 and 911). This feature is provided where available in all Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

C. Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Company end offices. It is available with Feature Group A. Resold and non-resold services cannot be mixed in the same hunt group arrangement.

D. Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

E. Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

F. Automatic Number Identification (ANI)

1. This option provides the automatic transmission of a three, seven or ten digit number and information digits to the customer's premises for calls originating in the LATA, to identify the calling station. The three, seven or ten digit numbers will contain the following information: three digit, NPA only; seven digit, NXX-XXXX; ten digit, NPA+NXX-XXXX. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) trunk groups routed directly between an end office and a customer's premises or, where technically feasible, with (2) trunk groups between an end office and a customer's premises through an access tandem.
2. The seven digit ANI telephone number is available with Feature Group B, where provided, and Feature Group C. The seven digit ANI telephone number is available with 900 Access Service. With these Feature Groups and 900 Access Service, ANI will be provided only with DTT. ANI will be transmitted on all calls except those originating from four or eight party lines, pay telephones and coinless pay telephones using Feature Group B, when the end user has dialed 0-for operator assistance or when an ANI failure has occurred.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

F. Automatic Number Identification (ANI) (Cont'd)

3. The ten digit ANI telephone number is only available with Feature Group D, including 800 DB Access Service and 900 Access Service provisioned as Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as four or eight party lines or when the end user has dialed 0- for operator assistance, in which case only the NPA will be transmitted (in addition to the information digits).
4. When 800 DB Access Service is ordered, the ten digit ANI telephone number will be transmitted on all calls except those where ANI cannot be provided as stated above or from end offices not equipped to provide ANI. In these instances, only the three digit NPA and the information digits described in the LATA Switching Systems Generic Requirements (LSSGR), Technical Reference FR-64, if applicable, will be transmitted.
5. With Feature Group C, ANI is provided from end offices at which Company recording for end user billing is not provided, or where it is not required. It is not provided from end offices for which the Company needs to forward ANI to its recording equipment.
6. Technical specifications are delineated in Technical Reference TR-NPL-000175 and TR-NPL-000258.
7. Where ANI cannot be provided, e.g., on calls from four and eight party services, information digits will be provided to the customer.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

F. Automatic Number Identification (ANI) (Cont'd)

8. Charge Number is the SS7 Out of Band Signaling equivalent of the ten digit ANI telephone number. Charge Number is the automatic transmission of the ten digit billing number of the calling station and the originating line information when a FGD trunk group is provisioned with SS7 Out of Band Signaling. Charge Number is provided when the customer requests the ANI optional feature on FGD trunk groups provisioned with SS7 Out of Band Signaling.
9. ANI information and Charge Number information are provided based on the following requirements:
 - a. The telephone number and billing information may be used for billing and collection, routing, screening, and completion of the originating subscriber's call or transaction, or for services directly related to the originating subscriber's call or transaction;
 - b. The ANI information shall not be reused or resold without first (A) notifying the originating subscriber and (B) obtaining the affirmative consent of such subscriber for such reuse or resale; and
 - c. ANI information shall not be disclosed, except as permitted by a. and b., preceding, for any purpose other than (i) performing the services or transactions that are the subject of the originating subscriber's call, (ii) ensuring network performance security, and the effectiveness of call delivery, (iii) compiling, using and disclosing aggregate information, and (iv) complying with applicable law or legal process.

G. Up To 7 Digit Outpulsing Of Access Digits To Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-XXXX or 1+950-XXXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

H. Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX uniform access code upon receipt of the end of dialing digit (#). The Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

I. Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

J. Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Company end office to the customer without the need of a start-pulsing signal from the terminating office. It is available with Feature Group C.

K. Dial Pulse Address Signaling

This trunkside option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's POT in either direction by means of direct current pulses. It is available with Feature Group C.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

L. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 00+, 00-, 0+, 0- or 1+) or service access code (e.g., 8XX or 900). A customer may direct all originating calls from an end office to a tandem trunk group to a single customer POT or multiple POTs when ordered with MPTS as referred to in 6.1.2, preceding, based on the line class of service, service prefix indicator or service access code. It is provided in suitably equipped end office or access tandem switches and is available with FGC and FGD based on technical limitations.

M. Alternate Traffic Routing

The types of Alternate Traffic Routing available are described in 1. through 3., following. When Alternate Traffic Routing is added subsequent to initial service installation, service rearrangement charges are determined as set forth in 6.7.1, following.

1. Multiple Customer Premises Alternate Routing without MPTS

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) via a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (via one or more intermediate high usage groups) to different customer designated premises until the originating traffic is directed to a final trunk group. The customer shall specify the last trunk CCS desired for the high usage group and each intermediate group(s). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D. MPTS Alternate Routing is not available on FGD Service provisioned on a DTT Facility equipped with TSI.

2. Multiple Customer Premises Alternate Routing with MPTS

This option provides the capability of directing originating traffic from an end office via a direct trunk group (the high usage group) and deliver originating traffic (the overflowing traffic) from the same end office through the tandem to a tandem routed trunk group (the "final" group) to a customer designated POT. The tandem trunk group must be routed to the customer designated POT that is specified for the Tandem Sector of the originating end office. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

M.2. (Cont'd)

Alternate traffic routing through the tandem to a multiple customer POT is not an option with MPTS. A customer may not overflow tandem traffic from one customer designated POT to a second customer designated POT.

3. End Office Alternate Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B, C and D.

4. End Office Alternate Routing to a Customer-Provided Tandem Premises

This option provides an alternate routing arrangement for customers who order in trunks and have access to an end office via two routes: one route equipped with Tandem Signaling Information (TSI) via a customer-provided tandem premises and one direct route without TSI. The option allows FGD originating traffic from an end office to be offered first to the direct trunk group and then overflow to the customer-provided tandem group. When the customer selects this option the customer may not have for the same end office an alternate route to a Company access tandem. This option is provided in suitably equipped end offices and is available with FGD Service only.

N. Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

O. WATS Access Service (WATS)

1. At the option of the customer, WATS Access Service may be provided at Company designated end office switches, referred to as WATS Serving Office(s)(WSO). WATS Access Service is provided in conjunction with Feature Groups C or D Switched Access Service and a WATS access line. The WATS access line as described in 5.2 preceding, is required to connect the WSO to the end user's premises.
2. WATS access lines are available for intrastate service as a Shared WATS access line or a dual jurisdiction WATS access line as set forth in 5.2 preceding.
3. For WATS Access Service provided on a dual jurisdiction basis; i.e., interstate and intrastate, the following information applies:
 - a. The WSO is capable of performing the necessary routing, screening and recording functions for 800/800-type Service, Outward WATS and similar services and is provided only for use at the closed end of such services.
 - b. WATS Access Service can be arranged for originating-only, terminating-only or two-way calling depending on the specific arrangement employed. Dial pulse or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling is used to work with the WATS access line ordered subject to the terms and conditions of the Company's Interstate Access Service Tariff F.C.C. No. 11.
 - c. WATS Access Service options are available in conjunction with WATS Access Service. These options are provided in Company designated WSO(s) and are available for use with WATS Access Service only. WATS Access Service options are available in conjunction with Feature Groups C and D as specified herein. A brief description of each WATS Access Service option is described following.

(T)

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

O.3.c. (Cont'd)

(1) Band Advance

This option, which is provided in association with two or more WATS Access Line groups, provides for the automatic overflow of terminating calls to a WATS Access Line group, when that group has exceeded its call capacity, to another WATS Access Line group with a band designation equal to or greater than that of the overflowing WATS Access Line group. Band Advance does not provide for call overflow from a group with a higher band designation to one with a lower one.

(2) Hunt Group

This option provides the ability to access sequentially one of two or more WATS Access Lines in the terminating direction, when the hunting number of the WATS Access Line group is forwarded from the customer to the Company.

(3) Uniform Call Distribution

This option provides a type of multiline hunting which provides for an even distribution of terminating calls among the available WATS Access Lines in the hunt group.

(4) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution

This option provides for an individual WATS Access Line that is within a multiline hunt or uniform call distribution group, to provide access to the WATS Access Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

P. Feature Group A InterLATA Toll Denial

This option provides for the screening of all calls on terminating lines and for the completion only of calls to 411, 611, 911, 8XX, 555-1212, Local Information Delivery Services and 0+ or 1+ intraLATA. All interLATA calls, 950-XXXX and 101XXXX are routed to a recorded announcement.

This feature is provided in all Company end offices where technically available. It is available with Feature Group A. This feature does not affect calls placed on originating FGA lines.

Customers requesting FGA line(s) without the InterLATA Toll Denial option, will be responsible for InterLATA calls recorded on FGA line(s).

Q. Signaling System Seven (SS7) Out Of Band Signaling

This option provides SS7 Out of Band Signaling on a FGD transmission path group. This option provides the customer the ability to use Out of Band Signaling to set up trunks on a per call basis. CCSAC Service as described in Section 15. following, is required between the customer's Signaling Point of Interface (SPOI) and the Company's Signal Transfer Point (STP) for SS7 Out of Band Signaling in each LATA.

SS7 Out of Band Signaling provides the automatic transmission of the following parameters:

- Access Transport Parameter (ATP) provides automatic transmission of information from the originating calling location through the Common Channel Signaling Network. Information supplied using ATP may consist of one or more of the following: Called Party Subaddress; Calling Party Subaddress; High and Low Layer Compatibility and Compatibility Checking by the called party's equipment. ATP is available when Feature Group D Service is equipped with SS7 Out of Band Signaling and Clear Channel Capability.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

Q. Signaling System Seven (SS7) Out Of Band Signaling (Cont'd)

- Calling Party Number (CPN) is the automatic transmission of the calling party's ten digit telephone number to the customer's premises for calls originating in the LATA. The ten digit number consists of the Numbering Plan Area (NPA) plus the seven digit telephone number. The Company will automatically transmit CPN with SS7 Out of Band Signaling in those offices suitably equipped with the software that allows customers to elect to block their CPN information from being displayed to the called party. This software allows the customer to block their CPN on a per call basis, and transmits a "privacy indicator" as part of the CPN information.
- Charge Number is the SS7 Out of Band Signaling equivalent of the ten-digit ANI telephone number. Charge Number is the automatic transmission of the ten-digit billing number of the calling station and the originating line information when a FGD trunk group is provisioned with SS7 Out of Band Signaling. Charge Number is provided when the customer requests the ANI optional feature on FGD trunk groups provisioned with SS7 Out of Band Signaling.

Charge Number information is provided based on the following requirements:

- (1) the telephone number and billing information may be used for billing and collection, routing, screening, and completion of the originating subscriber's call or transaction, or for services directly related to the originating subscriber's call or transaction;
 - (2) the Charge Number information shall not be reused or resold without first (A) notifying the originating subscriber and (B) obtaining the affirmative consent of such subscriber for such reuse or resale; and
 - (3) Charge Number information shall not be disclosed, except as permitted by (1) and (2), above, for any purpose other than (i) performing the services or transactions that are the subject of the originating subscriber's call, (ii) ensuring network performance security, and the effectiveness of call delivery, (iii) compiling, using and disclosing aggregate information, and (iv) complying with applicable law or legal process.
- Carrier Selection Parameters (CSP) is the automatic transmission of a signaling indicator which signifies to the customer that the call being processed originated from a presubscribed line or by dialing the 101XXXX code.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES

Q. Signaling System Seven (SS7) Out Of Band Signaling (Cont'd)

The technical specifications for the CPN and CSP parameters are described in Technical Reference GR-905-CORE, GR-394-CORE and in Qwest Corporation Technical Reference 77342.

When rearranging signaling to SS7 Out of Band Signaling, a SS7 Out of Band Signaling Rearrangement Charge applies as described in 6.7.1, following.

R. Clear Channel Capability

Clear Channel Capability (CCC) is the ability to send any combination of ones (marks) and zeros (spaces) in the 192 information bits of each frame. This permits 24 DS0-64 kbps services or 1.536 Mbps of customer information on the 1.544 Mbps line rate.

Bipolar Eight Zero Substitution (B8ZS) line code conformity is required. The B8ZS line code is described in Technical Reference GR-334-CORE.

CCC is available on FGD Service when the trunkside service is equipped with SS7 Out of Band Signaling and Interface Group 6 or 9 on separate trunk(s) in suitably equipped digital Company end offices or access tandems. CCC may be utilized in conjunction with 800 DB Access Service for transmission of 8XX data traffic where technically feasible.

CCC equipped trunkside service requires a specific traffic type (i.e., CCC Originating and/or CCC Terminating) as set forth in 6.1.1, preceding.

The description and application of rates and charges for CCC are set forth in 6.7.1, following.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.1 COMMON SWITCHING OPTIONAL FEATURES (Cont'd)

S. SWITCHNET 56 Service Switching Capability

This option allows for a connection between the customer's premises and a suitably equipped end user's premises, utilizing end office and/or access tandem switching capable of transmitting 56 kbps digital data. *SWITCHNET 56* Service is available with Feature Group D from suitably equipped electronic end offices and/or access tandems. When *SWITCHNET 56* Service is ordered in conjunction with FGD, it requires the use of a separate trunk group equipped with Interface Group 6.

6.3.2 TRANSPORT TERMINATION OPTIONAL FEATURES

A. Operator Trunk-Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Groups C and D. Non-coin trunks are provided in Company electronic and electromechanical end offices. Coin and combined coin and non-coin trunks are provided only at Company electronic end offices and other Company end offices where equipment is available. This option is provided as a trunk type of Transport Termination and is not available with SS7 Out of Band Signaling.

1. Coin:

- a. This arrangement provides for initial coin return control and routing of 00+, 00-, 0+, 0- or 1+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.
- b. The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator service positions, rather than in the customer's manual cord boards.

2. Non-Coin:

- a. This arrangement provides for the routing of 00+, 00-, 0+, 0- or 1+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

6. SWITCHED ACCESS SERVICE

6.3 COMMON SWITCHING AND TRANSPORT TERMINATION OPTIONAL FEATURES

6.3.2 TRANSPORT TERMINATION OPTIONAL FEATURES

A.2. (Cont'd)

- b. The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator service positions, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless pay telephones, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Company.

3. Combined Coin and Non-Coin:

- a. This arrangement provides for initial coin return control and routing of 00+, 00-, 0+, 0- or 1+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.
- b. This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional features provide for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless pay telephones, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Company.

B. Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type for Transport Termination. This option is not available with SS7 Out of Band Signaling.

6. SWITCHED ACCESS SERVICE

6.4 TRANSMISSION SPECIFICATIONS

- A. Each Switched Access Service transmission path is provided with standard transmission parameter limits. The standard for a particular transmission path is dependent on the Switched Access Service, the Interface Group and whether the service is directly routed to an end office or routed to the access tandem or a customer-provided tandem utilizing tandem switching functions. The available transmission parameter limits are set forth in Technical Reference GR-334-CORE and associated addenda. Data transmission parameter limits are also provided with each Switched Access Service transmission path. The Company will, upon notification by the customer that the data parameters set forth in Technical Reference GR-334-CORE and associated addenda are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to ensure that the data parameters are met.
- B. The Company will maintain existing transmission parameter limits on functioning service configurations installed prior to January 1, 1984, except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in Technical Reference GR-334-CORE and associated addenda.
- C. The transmission parameter limits contained in this section are Immediate Action Limits (IAL). Acceptance Limits (AL) are set forth in Technical Reference GR-334-CORE and associated addenda. This technical reference also provides the basis for determining Switched Access Service maintenance limits.
- D. Transmission specifications for SS7 Out of Band Signaling are delineated in Technical Reference GR-394-CORE, GR-905-CORE and in Qwest Corporation Technical Reference 77342.
- E. Transmission specifications and error performance parameters for DS1 level digital transmission on FGD Service equipped with Clear Channel Capability are delineated in Technical Reference GR-334-CORE.

When Switched Access FGD Service is provided via a customer-provided tandem premises, the technical transmission specifications for the customer-provided tandem must conform with the technical specifications established for Company access tandem switches. These specifications are described in Technical Reference FR-64 and GR-334-CORE. For FGD trunks with tandem signaling information, the transmission parameter limits and interface combinations are delineated in Technical Reference GR-334-CORE.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY

In addition to the obligations of the Company set forth in Section 2, preceding, the Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6.5.1 NETWORK MANAGEMENT

The Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Company's network services.

Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.5, preceding.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY (Cont'd)

6.5.2 DESIGN AND TRAFFIC ROUTING OF SWITCHED ACCESS SERVICE

When ordering Switched Access Service, the customer shall specify on the order for service the Entrance Facility, direct routing or tandem routing, the number of lines or trunks, and the desired directionality (i.e., one-way, two-way). When the customer orders facilities, routing, directionality or optional features different from that determined to be available by the Company, the Company will work cooperatively with the customer in determining an acceptable configuration based on available facilities, equipment and the Company routing plans. Rates and charges for Switched Transport, as set forth in 6.8, following, will be applied based on the transport provisioned at the time the order is completed. For example, if direct routing to the end office is requested but facilities are not available and the customer accepts tandem routing, the rates for the tandem routing configuration shall apply until such time that direct routing to the end office is provided.

6.5.3 DS1 RECORDS ASSIGNMENT

When the customer initially orders a DS3 EF with DS3 DTT facilities to a Company Hub, access tandem or end office, the Company will provide to the customer, the appropriate DS1 facility record necessary for the customer to identify circuit facility assignment (CFA). On subsequent orders utilizing existing DS3 EF or DS3 DTT facilities, the Company will assign the DS1 facility to the DS3 EF or DS3 DTT facility as directed by the customer's order.

6.5.4 MULTIPLEXING

The Company will provide multiplexing equipment at a location determined by the Company as part of its overall network design when the conditions exist as set forth in 6.1.2, preceding.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY (Cont'd)

6.5.5 PROVISION OF SERVICE PERFORMANCE DATA

Subject to availability, end-to-end service performance data available to the Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and noncompletion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.6 TRUNK GROUP MEASUREMENT REPORTS

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals. Trunk group measurement reports will be available for Switched Access Service and WATS Access Service at no charge to the customer.

6.5.7 DETERMINATION OF NUMBER OF TRANSMISSION PATHS

DS1 and DS3 Entrance Facilities and DTT facilities requested by the customer are solely transport facilities capable of 24 and 672 channels, respectively, and do not reflect the actual switching capacity in the SWC, end office, access tandem or Company Hub. The actual number of transmission paths provided will be based on the customer's line or trunk request. Subsequent assignment will be based on switching equipment available.

For Lineside or Trunkside Switched Access Service, which is ordered on a per line or per trunk basis, the customer specifies the number of transmission paths in the order for service.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY (Cont'd)

6.5.8 DETERMINATION OF NUMBER OF END OFFICE TRANSPORT TERMINATIONS

For analog entry switches, a termination will be provided for each Feature Group line or trunk requested. For digital entry switches, an equivalent termination will be provided for each Feature Group line or trunk requested.

6.5.9 DESIGN BLOCKING PROBABILITY

The Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in A. through E., following.

- A. For Feature Groups A and B, no design blocking criteria apply.
- B. For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the POT at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.
- C. For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the POT at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods as set forth in reference document Special Report SR-TAP-000191, Trunk Traffic Engineering Concepts and Applications, will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY

6.5.9 DESIGN BLOCKING PROBABILITY (Cont'd)

- D. The design blocking criteria for 800 DB Access Service and 900 Access Service will be equivalent to the design blocking criteria of the serving arrangements that they are provisioned as, except under media stimulation when use of protective controls may be utilized to ensure the provisioning of acceptable service levels to all telecommunications users of the Company's network services.

- E. The Company will perform routine measurement functions for the trunks ordered in accordance with Company design blocking criteria to assure that an adequate number of trunks are in service. The Company will recommend that additional trunks be ordered by the customer when additional trunks are required to reduce the measured blocking to the designed blocking level. Where design blocking criteria apply, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.

6. SWITCHED ACCESS SERVICE

6.5 OBLIGATIONS OF THE COMPANY

6.5.9 DESIGN BLOCKING PROBABILITY

E. (Cont'd)

1. For transmission paths carrying only first routed traffic directly between an end office and customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

| NUMBER OF TRUNKS PER TRUNK GROUP | MEASURED BLOCKING THRESHOLDS IN THE TIME CONSISTENT BUSY HOUR FOR THE NUMBER OF MEASUREMENTS PER TRUNK GROUP | | | |
|--|---|-------------------|-------------------|-------------------|
| | 15-20 | 11-14 | 7-10 | 3-6 |
| | MEASURE- MENTS | MEASURE- MENTS | MEASURE- MENTS | MEASURE- MENTS |
| 2 | .070 | .080 | .090 | .140 |
| 3 | .050 | .060 | .070 | .090 |
| 4 | .050 | .060 | .070 | .080 |
| 5-6 | .040 | .050 | .060 | .070 |
| 7 or more | .030 | .035 | .040 | .060 |

2. For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

| NUMBER OF TRANSMISSION PATHS PER TRUNK GROUP | MEASURED BLOCKING THRESHOLDS IN THE TIME CONSISTENT BUSY HOUR FOR THE NUMBER OF MEASUREMENTS PER TRUNK GROUP | | | |
|--|---|-------------------|-------------------|-------------------|
| | 15-20 | 11-14 | 7-10 | 3-6 |
| | MEASURE- MENTS | MEASURE- MENTS | MEASURE- MENTS | MEASURE- MENTS |
| 2 | .045 | .055 | .060 | .095 |
| 3 | .035 | .040 | .045 | .060 |
| 4 | .035 | .040 | .045 | .055 |
| 5-6 | .025 | .035 | .040 | .045 |
| 7 or more | .020 | .025 | .030 | .040 |

6. SWITCHED ACCESS SERVICE

6.6 OBLIGATIONS OF THE CUSTOMER

In addition to the obligations of the customer set forth in Section 2, preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 ORDERING REQUIREMENTS

When ordering Switched Access Service, the customer shall specify on the order for service, the type and number of Entrance Facilities to terminate at the customer's SWC, the desired interoffice transport, direct or tandem routing, the number of lines and/or trunks to be provisioned at an end office or access tandem and the desired directionality.

6. SWITCHED ACCESS SERVICE

6.6 OBLIGATIONS OF THE CUSTOMER (Cont'd)

6.6.2 REPORT REQUIREMENTS

Customers are responsible for providing the following reports to the Company, when applicable.

A. Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.10, preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.11, preceding.

B. Code Screening Reports

When a customer orders service class routing or trunk access limitation arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

C. 900 NXX Code Reports

When ordering 900 Access Service, the customer must report the appropriate NXX code(s) to be instituted in each Company end office at which the customer identification function is performed. The report must be updated by the customer each time a change is scheduled to occur (i.e., when a new code is to be added or an exiting code is to be deleted). Such updated reports shall be provided at least 60 calendar days prior to the effective date of the change in order to allow the Company sufficient time to implement the change.

D. Multiple POTs Tandem Sectorization Reports

When ordering MPTS, the customer must report the customer designated POTs for all subtending end offices served by an access tandem. The report shall be provided at the same time the Access Order is placed.

6. SWITCHED ACCESS SERVICE

6.6 OBLIGATIONS OF THE CUSTOMER (Cont'd)

6.6.3 SUPERVISORY SIGNALING

The customer's facilities shall provide the necessary off-hook and on-hook answer and disconnect supervision.

6.6.4 TRUNK GROUP MEASUREMENT REPORTS

With the agreement of the customer, trunk group data in the form of usage in hundred call seconds (CCS), peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.5 DESIGN OF SWITCHED ACCESS SERVICES

When a customer orders Switched Access Service on a per-facility and/or per-trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

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

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in C. and D., following.

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

B. Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute, a per call or per query basis. Usage rates are accumulated over a monthly period.

C. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features and service rearrangements. These charges are set forth in 6.8, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

1. Installation of Service

Nonrecurring charges apply for the installation of the individual Feature Group line or trunk.

- a. For Switched Access Service which is ordered on a per-line or -trunk basis, the nonrecurring charge is applied per line or per trunk. Nonrecurring charges are assessed dependent on the Interface Group ordered for terminating Switched Transport at the customer's POT. Each Interface Group provides a specified premises interface as set forth in 6.1.2, preceding. Each Interface Group (i.e., 1, 2, 6, 9) is assigned to an Interface Group Category for the application of nonrecurring charges based on the "first" and "each additional" line or trunk application per Access Order. If a customer orders multiple lines or trunks on the same Access Order, the first line or trunk is assessed the "first" installation charge and each additional line or trunk is assessed the "each additional" installation charge per Interface Group Category (i.e., 1 and 2, 6 or 9), per Access Order.
- b. Nonrecurring charges for FGB or FGD Switched Access Service include one Carrier Identification Code (CIC) on an initial Access Order. The CIC is a uniform numeric code that identifies the customer associated with the Switched Access Service. The customer of the initial CIC is the customer of record for the Switched Access Service. When a customer requests two or more CICs on an initial Access Order, each additional CIC (i.e., two or more) is considered to be a service rearrangement as set forth in 3., following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

2. Installation of Optional Features

Nonrecurring charges apply for the installation of some of the optional features available with Switched Access Service. The charges may apply whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

3. Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.5, preceding, or a change in the physical location of the POT at a customer's premises or a customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the POT are treated as moves and are described and charged for as set forth in 6.7.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual technical and/or physical change to the service.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.3. (Cont'd)

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications),
- Change of customer name as the result of a transfer of use of services as set forth in 2.1.2, preceding,
- Change of customer or customer's end user's premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user's contact name or telephone number, and
- Change of jurisdiction.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.3. (Cont'd)

All other service rearrangements will be charged for as follows:

- a. If, due to technical limitations of the Company, a customer could not combine its 800 DB Access Service and/or 900 Access Service traffic with its other Trunkside Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible.
- b. If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- c. If, due to an office replacement, a customer requests conversion from one-way to two-way trunks, and the request is made six months in advance of the office replacement due date, the nonrecurring charges will not apply.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.3. (Cont'd)

- d. For all other changes, including the addition of, or modifications to optional features without separate nonrecurring charges, a charge equal to one-half the Switched Transport per line or per trunk nonrecurring (i.e., installation) charge will apply. This one-half nonrecurring charge is assessed the "first" installation charge for the first line or trunk and each additional line or trunk is assessed the "each additional" installation charge per appropriate Interface Group category, per Access Order. If two or more optional features and changes are ordered on the same Access Order, the optional feature or change requiring the lowest level of work activity will apply. A maximum one-half nonrecurring charge will apply per Access Order for service rearrangements.

If a feature is not required on each line or trunk, but rather for an entire hunt or trunk group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per line or trunk). This one-half nonrecurring charge is assessed the "first" installation charge for the first hunt group, trunk group, end office or access tandem switch and each additional hunt group, trunk group, end office or access tandem switch is assessed the "each additional" installation charge per appropriate Interface Group category, per Access Order. Nonrecurring charges for service rearrangements are specified in 6.8, following.

- e. For optional features, additions and changes associated with WATS Access Service, the one-half nonrecurring charge is assessed the "first" installation charge for the first line or trunk and each additional line or trunk is assessed the "each additional" installation charge for Interface Group 6, per Access Order. This charge applies for all Network Channel Interface (NCI) codes associated with a WATS access line. If two or more optional features and changes are ordered on the same Access Order, the optional feature or change requiring the lowest level of work activity will apply. A maximum one-half nonrecurring charge will apply per Access Order for service rearrangements. If a feature is not required on each line but rather for an entire hunt group, only one such charge will apply (i.e., it will not apply per line). This one-half nonrecurring charge is assessed the "first" installation charge for the first hunt group and each additional hunt group is assessed the "each additional" installation charge per Interface Group 6, per Access Order. Nonrecurring charges for service rearrangements are specified in 6.8, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.3. (Cont'd)

- f. Service rearrangement charges are applicable, as set forth in d., preceding, when Alternate Traffic Routing, as described in 6.3.1, preceding, is added, changed or removed from an existing trunk group. Service rearrangement charges are not applicable when the following Alternate Traffic Routing changes are requested:
- renaming a high usage group to be an intermediate high usage group and the delivery of the originating traffic (i.e., the overflowing traffic) is not changing,
 - renaming an intermediate high usage group to be a high usage group and the delivery of the originating traffic (i.e., the overflowing traffic) is not changing, or
 - renaming a trunk group (i.e., a direct final) to be an alternate final trunk group.
- g. A request to change FGD Service from a direct route or tandem route to a direct route equipped with TSI (where the Company Equal Access End Office subtends a customer-provided tandem) is a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges apply for the new service. Minimum period requirements for Switched Access Service apply as set forth in 5.2.5, preceding.
- h. Nonrecurring charges for additional (i.e., two or more) CICs are determined based on whether the FGB or FGD trunk(s) or trunk group(s) are new or existing, the Interface Group Category rate and the level of work activity (i.e., trunk, trunk group, end office and/or tandem).

When the trunk or trunk group is new, one CIC is included in the nonrecurring charges for the initial Access Order. Each additional CIC requested on the same Access Order is assessed one-half the "each additional" installation charge assessed by Interface Group Category. In addition, the charge is based on the lowest level of work, per Access Order, per LATA. The additional (i.e., two or more) CIC service rearrangement charge is in addition to Installation Charge(s) for the trunk(s).

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.3.h. (Cont'd)

When the FGB or FGD trunk group is existing service and the customer is requesting additional CICs on an existing tandem-routed trunk group, the customer is charged one-half the "first" installation charge at the tandem and one-half the "each additional" installation charge at each subtending end office for the "first additional" CIC on the Access Order, assessed by Interface Group Category. Each "additional" CIC after the "first additional" CIC on the same Access Order is charged one-half the "each additional" installation charge at the tandem and one-half the "each additional" installation charge per subtending end office, per LATA, based on the Interface Group Category.

When the FGB or FGD trunk group is existing service and the customer is requesting additional CICs on a direct-routed trunk group, the customer is charged one-half the "first" installation charge for the "first additional" CIC and one-half the "each additional" installation charge for each "additional" CIC after the "first additional" CIC on the same Access Order, per end office, per LATA, based on the Interface Group Category.

When the FGB or FGD trunk or trunk group is new or existing and the customer is requesting CICs for both a direct and tandem route, the Company will exclude the direct-routed end offices from the end office count when calculating the tandem-routed trunk group service rearrangement charges when the following conditions are met: 1) the CICs requested are the same on each order, 2) the Access Orders are received at the same time 3) the Access Orders are due on the same date and 4) the LATA is the same.

- i. Service rearrangement charges are applicable, as set forth in d., preceding when the customer has Signaling System Seven (SS7) Out of Band Signaling and chooses to change the existing point code on the existing trunk(s). If the point code in the STP is changed for the associated CCSAC link(s), a CCSAC Option Activation charge, as set forth in Section 15, following, also applies.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

4. Rearrangement of 800 DB Access Service from Tandem Routing to Direct Routing

When the customer requests the rearrangement of 800 DB Access Service from tandem routing to direct routing, no charge shall apply for the customer requested rearrangement as long as the following conditions are met:

- The same customer premises, service type and Interface Group category are maintained with the exception of a change in service type as set forth in 6.7.4, following.
- The end office must subtend the tandem which service is being rearranged from.
- The customer must disconnect one trunk at the tandem for each rerouted end office trunk installed. Trunk rearrangements for more than one-for-one must be determined on an equivalent basis substantiated by industry accepted engineering standards and mutually agreed upon by the Company and the customer.
- The customer may specify a change in traffic type and direction (i.e., one-way to two-way) at the time the order is received.
- The customer may specify a change in optional features (except Switched Transport multiplexing) at the time the order is received. If the optional feature has a separate nonrecurring charge, that nonrecurring charge will apply. Requests for a rearrangement from MF to SS7 Out of Band Signaling must be received on a separate order.
- The Company must receive an ASR to connect 800 DB Access Service at the end office within six (6) months of the end office becoming SSP capable. The customer must place the order to disconnect from the tandem at the same time the order is placed to connect at the end office. The disconnect date may be negotiated with the Company not to exceed 90 days from the connect date.
- Customer specified rearrangement requests will be cooperatively negotiated with the customer and are subject to the availability of Company switching equipment and other existing facilities.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

5. Rearrangement to SS7 Out of Band Signaling

Rearrangement of existing FGD MF signaling or upgrades in Lineside or Trunkside Switched Access Service to FGD trunk groups equipped with SS7 out of band signaling will be performed at Company tandems and end offices designated as having SS7 capabilities. SS7 Out of Band Signaling Rearrangement Charges will apply when the following conditions are met:

- The same customer premises, quantity of lines or trunks, routing, traffic type, Interface Group category and optional features are maintained. Exceptions to this condition are set forth in I., following.
- Rearrangement from a one-way or two-way transmission when the signaling is changing to SS7 Out of Band Signaling will be by trunk group(s) ordered and received at the same time.
- Multiple lines or trunk groups may be combined into a single FGD trunk group with SS7 Out of Band Signaling when all trunks within the group are traffic engineered as a unit and all the communications paths within the group are interchangeable.
- The disconnect date and connect date on the Access Orders must be the same date when rearranging to a FGD trunk group with SS7 Out of Band Signaling.
- Upgrades from Lineside or Trunkside service types to FGD Switched Access Service with SS7 Out of Band Signaling are available when the above conditions are met.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C.5. (Cont'd)

When Switched Access Service is rearranged to FGD with SS7 Out of Band Signaling, the customer will be charged a Service Order Rearrangement charge and Trunk Rearrangement charges. The Service Order Rearrangement charge is assessed per access order, per Interface Group. The SS7 Trunk Rearrangement charge is applied per trunk in each SS7 Out of Band Signaling trunk group. The first trunk in the SS7 Out of Band Signaling trunk group will be charged the "first trunk" charge and each additional trunk in the same group will be charged the "each additional" trunk charge. Service Order and Trunk Rearrangement charges are sensitive to whether the transmission (one-way or two-way) is changing. These charges are set forth in 6.8, following.

The description and application of rates and charges when rearranging FGD Service to SS7 Out of Band Signaling and Clear Channel Capability are set forth in I., following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

6. Rearrangement of FGB or FGD Trunks from a Company Access Tandem Route to a Direct Route. (N)

When the customer requests the rearrangement of existing FGB or FGD trunks from a Company access tandem route to an end office direct route, charges are determined as set forth following.

When the customer has the DTT rating option between the SWC of the customer's premises and the access tandem and is requesting DTT to an end office, a rearrangement charge, as set forth in 6.8.1.D.4., following, is assessed if the following conditions are met.

- The rearrangement charge is assessed in association with the Interface Group, 1, 2, 6 or 9, and is applied per trunk in each direct routed access trunk group. The first trunk in the direct routed access trunk group is charged the "first trunk" charge and each additional trunk is charged the "each additional" trunk charge.
- The same customer premises, service type and Interface Group category are maintained with the exception of a change in Interface Group category and service type as set forth in 6.7.5, following. If the quantity of trunks changing to direct routed access exceeds the number of trunks disconnecting from the Company access tandem, full nonrecurring installation charges will apply for the additional trunks.
- Customers may specify a change in traffic type and direction (i.e., one-way to two-way) at the time the order is received. (N)

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges

6. Rearrangement of FGB or FGD Trunks from a Company Access Tandem Route to a Direct Route. (Cont'd)

- Customers may specify a change in optional features (except Switched Transport multiplexing) at the time the order is received. If the optional feature has a separate nonrecurring charge, that nonrecurring charge will apply in addition to the rearrangement charge. Requests for a rearrangement from MF to SS7 out of band signaling must be received on a separate access order.
- All trunks will be rearranged into 24 trunks within a direct routed access trunk group.
- The order to disconnect the tandem route and to connect the end office DTT shall be placed at the same time. The disconnect date of the tandem route order may be negotiated with the Company not to exceed 30 days from the connect date of the end office DTT order with the exception of a change in service type as set forth in 6.7.5, following.
- Customer specified rearrangement requests will be cooperatively negotiated with the customer and are subject to the availability of Company switching equipment and other existing facilities.

(N)

(N)

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

C. Nonrecurring Charges (Cont'd)

7. Rollover

(N)

When a customer meets the rollover conditions , as set forth in (a), following, and is rearranging their facilities, as set forth in (b), following, a rollover charge shall apply to the lower speed facility as specified in 6.8, following. When the requested change does not meet the rollover conditions, then the appropriate nonrecurring charge applies as set forth in this section.

(a) Rollover Conditions

- The EF and/or DTT facilities are provided between the same customer locations as the original facilities, and
- all rollovers are performed at the same Company central office location, and
- all facilities involved in the rollover are provided by the Company.

(b) Rollover Service Rearrangements

- A lower speed Entrance Facility or DTT facility is to be placed on a higher speed facility, or
- moved from one higher speed facility to a different higher speed facility, or
- moved to a different channel on the same multiplexed facility.

If an order is required to rearrange the lines and/or trunks associated with a facility rollover, service rearrangement charges (e.g., Switched Transport per-line or per-trunk nonrecurring charges) may apply as set forth in C.3, preceding in addition to the facility rollover charges.

If an order is required to change the interface group category on the lines and/or trunks associated with a facility rollover, then the terms and conditions as set forth in 6.7.5, following, apply in addition to the facility rollover charge.

If an order is required to change the Switched Access Service type on the lines and/or trunks associated with a facility rollover, then the terms and conditions as set forth in 6.7.5, following, apply in addition to the facility rollover charge.

(N)

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)

D. Application of Rates

1. Tandem Switched Transport and Local Switching usage rates are applied per access minute.
2. Where originating and/or terminating recording capability does not exist for FGA provided to an entry switch, the number of access minutes will be assumed as set forth in 6.7.6, following.
3. The Company will provide written notification to all access customers of record within a particular LATA that an end office in that LATA is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the LATA where the conversion is scheduled to occur, at least six months in advance of the conversion date.
4. The customer will have the choice of converting existing services to equal access (i.e., originating and terminating Feature Group D) at no charge, pursuant to the conditions set forth in 6.7.4, following, or retaining the existing services.
5. When originating FGD is not available in an end office, and terminating FGD service to an access tandem in a LATA is available, such terminating FGD service may be used, at the option of the customer, to terminate FGD calls to that end office. FGD rates apply to all access minutes associated with such calls.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)

E. 900 Access Service Customer Identification Charge (CIC)

A 900 Access Service Customer Identification Charge is assessed for each 900 call delivered to the customer. This charge is in addition to the rates and charges for the rate categories described in 6.1.2, preceding, which are applicable to all Switched Access Services. The per-call rate is set forth in 6.8.2, following.

F. 900 Access Service Nonrecurring Charge

In addition to the rates and charges for the rate categories as described in 6.1.2, preceding, which are applicable to all Switched Access Services, the following charges apply to 900 Access Service:

1. There are two additional charges which apply to 1+900 Service to activate the 900 NXX code(s) for each end office. These charges are assessed on a first and subsequent NXX per access order, per screening location. The screening location, end office or tandem, is determined by where the six-digit translation of the 900 NXX portion of the dialed number is performed. These charges are set forth in 6.8, following.
2. There are two additional charges which apply to Expanded 0+900 Service to activate the Expanded 900 Option. These charges are assessed per access order, per screening location, end office or tandem with NXX activity or can be ordered without NXX activity. The Expanded 900 Option is not offered without 1+900 Access Service within a LATA and is available only with Feature Group D Service in suitably equipped Company end offices. These charges are set forth in 6.8, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)

G. 800 DB Access Service Rates and Charges

An 800 Carrier Identification Charge is assessed per call to the service provider the call is delivered to in accordance with SMS/800 information residing in the Company's SCP.

A POTS Translation Charge is assessed per call, in addition to the 800 Carrier Identification Charge, when the POTS number is delivered to the service provider instead of the 8XX number in accordance with SMS/800 information residing in the Company's SCP. The POTS Translation feature is described in 6.2.5, preceding.

A Call Handling and Destination Feature Charge is assessed on a per-query basis, in addition to the Carrier Identification Charge and the POTS Translation Charge, to the service provider the call is delivered to for each 8XX query to the Company's SCP that utilizes a Call Handling and Destination feature as described in 6.2.5, preceding. The query rate is assessed for all completed queries whether or not the actual 8XX call is delivered to the service provider. A query is considered to be completed when the routing information is delivered back to the SSP.

These rates and charges are in addition to the rates and charges for the rate categories described in 6.1.2, preceding, which are applicable to all Switched Access Service. The 800 Data Base Access Service rates are set forth in 6.8.2, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)

H. Multiple POTS Tandem Sectorization Nonrecurring Charge

The nonrecurring charges for MPTS are described as follows:

1. The MPTS ASR charge applies when a customer is ordering MPTS without associated trunk activity on the same order. This charge applies whether the order is to initially add sectors or make rearrangements to an existing sector(s). Trunk activity includes installing new trunks, adding additional trunks, rearranging existing trunks or removing trunks. This charge is in addition to the MPTS establishment charge (without associated trunk activity) and the MPTS rearrangement charge (without associated trunk activity).
2. The MPTS establishment charge (without associated trunk activity) applies when a customer orders MPTS service without associated trunk activity on the same order. The MPTS establishment charge (with associated trunk activity) applies when a customer orders MPTS service with associated trunk activity on the same order.
3. The MPTS rearrangement charge (without associated trunk activity) applies when a customer orders rearrangements to established MPTS service without associated trunk activity on the same order. The MPTS rearrangement charge (with associated trunk activity) applies when a customer orders rearrangements to established MPTS service with associated trunk activity on the same order. These charges are set forth in 6.8.1, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)

I. Clear Channel Capability (CCC)

When Clear Channel Capability (CCC) is ordered and installed coincident with the initial installation of FGD Service, a CCC nonrecurring charge applies per trunk group in addition to the initial installation charge(s) for FGD Service. Rates and charges for CCC are as set forth in 6.8, following.

When CCC is ordered on existing trunkside service, the service may be rearranged when the following conditions are met:

1. The customer changes from FGD Service with multifrequency signaling to FGD Service with SS7 Out of Band Signaling and Clear Channel Capability with no other change in optional features.
2. The customer changes from FGD Service with SS7 Out of Band Signaling to FGD Service with SS7 Out of Band Signaling and Clear Channel Capability with no other change in optional features.
3. The same customer premises, quantity of trunks, service type, direct routing and Interface Group Category 6 or 9 are maintained.
4. The traffic type on FGD Service is changed to the Clear Channel Capability originating and/or terminating traffic type as set forth in 6.1.1, preceding.
5. All service orders are received at the same time and the disconnect date and the connect date are the same when rearranging trunk groups from MF to SS7 Out of Band Signaling with Clear Channel Capability.
6. Multiple MF trunk groups may be combined into a single SS7 trunk group with Clear Channel Capability when all trunks within the group are traffic engineered as a unit and all the communication paths within the group are interchangeable.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

I. Clear Channel Capability (CCC) (Cont'd)

Rearrangement charges from FGD Service with multifrequency signaling to FGD Service with SS7 Out of Band Signaling and Clear Channel Capability will be assessed the nonrecurring charges as set forth in 6.8, following.

Rearrangement charges from FGD Service with SS7 Out of Band Signaling to FGD Service with SS7 Out of Band Signaling and Clear Channel Capability will be assessed the "first trunk" charge in association with interface Group Category 6 or 9 service. Each additional trunk will be assessed the "each additional trunk" charge in association with Interface Group Category 6 or 9 service. The nonrecurring charge for Clear Channel Capability, as set forth in 6.8, following, is assessed per trunk group in addition to the nonrecurring charges per trunk as set forth in 6.8, following.

The removal of the CCC arrangement from existing trunkside service will be treated as a discontinuance of the existing service and installation of new service. All associated nonrecurring installation charges will apply for the new service. A new minimum period will be established for the new service.

J. Entrance Facility

The Entrance Facility monthly rate is assessed based on the type of facility provided, Voice Grade, DS1 or DS3. When Lineside Switched Access Service is provided, the Voice Grade Entrance Facility rate is assessed for each Lineside service provided, unless the customer requests a DS1 or DS3 Entrance Facility. The Entrance Facility rate is assessed even when the customer's premises and the SWC are located in the same building. The Entrance Facility rate is in addition to the rates assessed for DTT and/or TST. Rates are set forth in 6.8, following.

K. Direct-Trunked Transport

1. Except as set forth in 2. and 3., following, for each DTT facility provided, Voice Grade, DS1 or DS3, a fixed monthly rate, per mile band, and a monthly rate per mile is assessed. The DTT rates are in addition to the Entrance Facility rate. Mileage measurement is described in 6.7.10, following. Rates and charges are set forth in 6.8, following.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

K. Direct-Trunked Transport (Cont'd)

2. When Lineside Switched Access Service is provided, the Voice Grade DTT rates are assessed for each Lineside service, unless the customer requests a DS1 or DS3 facility. DTT rates are assessed between the SWC of the customer's premises and the dial tone office. When traffic is terminated in an end office which is not the dial tone office, Tandem Transmission rates, as set forth in L., following, are assessed between the dial tone office and the end office where the traffic terminates. The Tandem Transmission rates are in addition to the DTT rates. Tandem Switching rates will not be assessed.
3. When the customer orders DTT to a remote switching system or module (RSS or RSM), DTT rates are assessed between the SWC and the host office and Tandem Transmission rates, as set forth in L., following, are assessed between the host and the RSS or RSM. Mileage measurement rules are set forth in 6.7.10, following. Tandem Switching rates will not be assessed.

L. Tandem-Switched Transport

The TST rate category is composed of Tandem Transmission, Tandem Switching, Access Tandem Trunk Port and Common Transport Multiplexing rates. Mileage measurement is described in 6.7.10, following. Rates and charges are set forth in 6.8, following.

1. Tandem Transmission

The Tandem Transmission rates are assessed on a per-MOU basis when tandem routing is provided for trunkside services. Tandem Transmission rates are also assessed to FGA Service when traffic is terminated in an end office that is not the dial tone office as set forth in 6.7.10, following. The Tandem Transmission rates are portrayed in mileage bands. There are two rates that apply for each band, a fixed rate per band and a rate per mile, per minute.

2. Tandem Switching

The Tandem Switching rate is assessed on a per-MOU basis to all Switched Access minutes when tandem switching functions are utilized. Tandem Switching is not assessed to FGA Service.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

L. Tandem-Switched Transport (Cont'd)

3. Access Tandem Trunk Port

The Access Tandem Trunk Port (ATTP) is a monthly rate assessed per Feature Group trunk in service terminating on the SWC side of the access tandem. If the customer combines DA with trunkside Switched Access Service, only one ATTP charge is assessed per trunk. ATTP is not assessed to FGA.

4. Common Transport Multiplexing

Common transport multiplexing is a per-MOU rate assessed to all Switched Access minutes utilizing common transport from the access tandem to all subtending end offices for trunkside services. Nonrecurring charges are not assessed for common transport multiplexing.

M. Multiplexing associated with EF and DTT facilities

The multiplexing monthly rate is assessed on a per-arrangement basis.

6.7.2 MINIMUM PERIODS

Minimum periods for Switched Access Service are described in 5.2.5, preceding.

6.7.3 MINIMUM MONTHLY CHARGE

- A. Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:
- B. The minimum monthly charge for usage rated elements is the sum of the charges set forth in 6.8, following, for the measured or assumed usage for the month.
- C. For monthly rated elements, the minimum monthly charge is the monthly rate as set forth in 6.8, following.
- D. When FGA service is provided where actual measurement capabilities do not exist, the customer will always be billed for the assumed average number of access minutes for all applicable usage rated elements.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.4 CHANGE OF SWITCHED ACCESS SERVICE TYPE

Changes from one type of Switched Access Service to another will be treated as a discontinuance of service and the installation of service with the establishment of a new minimum period as set forth in 5.2.5, preceding. When the following conditions are met, the nonrecurring charges will not apply:

- A. Service Type Upgrade from Feature Group A or Feature Group B to Feature Group D Service
 - 1. The same customer premises, quantity of trunks, routing, traffic type, direction (i.e., one-way, two-way) and optional features are maintained,
 - 2. The same interface group category is maintained,
 - 3. The order for the disconnect of the or FGA Service or FGB Service and the start of FGD Service are placed with the Company at the same time,
 - 4. The disconnect date for the FGA Service or FGB Service is no more than 90 days from the connect date of FGD Service.
 - 5. At the customer's option, the Company will allow a change to SS7 Out of Band Signaling and a change in direction from one-way to two-way at the same time as the service type upgrade. When this kind of request is received, the customer will be assessed a SS7 Rearrangement Charge when conditions in 6.7.1, preceding and the above conditions are met. A new minimum period as set forth in 5.2.5, preceding, will also be established.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.4 CHANGE OF SWITCHED ACCESS SERVICE TYPE (Cont'd)

B. Service Type Upgrade from Feature Group C Service to Feature Group D Service

1. When a FGC Service is upgraded to a FGD Service, the nonrecurring charge will not apply. Because FGC is no longer available in an end office once the end office is equipped with equal access capabilities, (i.e., FGD), such upgrades will be performed by the Company without the customer being required to place an order for the change unless the customer specifies a change in quantity of transmission paths.
2. When the effective dates for the disconnect and start of service are the same, the minimum period as set forth in 5.2.5, preceding, will not change. When the effective dates for the disconnect and start of service are different, a new minimum period will be established for the FGD Service. For all other changes other than a change in service type, a new minimum period will be established on FGD.
3. At the customer's option, the Company will allow a change to SS7 Out of Band Signaling and a change in direction from one-way to two-way to occur at the same time the FGC is upgraded to FGD. When this kind of request is received, the customer will be assessed a SS7 Rearrangement Charge when conditions in 6.7.1, preceding, are met. When upgrading FGC to FGD with SS7 Out of Band Signaling, the disconnect date and the connect date on the orders must be the same date and a new minimum period will apply on the FGD service.
4. If a customer has the optional feature, Multiple POTs Tandem Sectorization (MPTS) and a non-equal access end office is upgraded to an equal access end office within the tandem serving area, the MPTS nonrecurring charges do not apply.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.5 MOVES

A move involves a change in the physical location or reconfiguration of the following:

- The POT of the EF at the customer's premises is moving
- The customer's premises and associated EF is moving
- The DTT or TST facilities and associated Lineside and/or Trunkside Switched Access Services are reconfigured as set forth in A. and B., following.

The charges for a move or reconfiguration are dependent on whether the move or reconfiguration is within the same SWC as set forth in A., following, or to a different SWC as set forth in B., following. New minimum period requirements will be established for moved or reconfigured services. Any changes to the existing Switched Access facilities, lines, trunks and optional features as they exist at the current location, excluding a change in Circuit Facility Assignment (CFA), made in conjunction with a move or reconfiguration, will be treated as a discontinuance and a start of new service and all associated nonrecurring installation charges will apply. The addition of lines and trunks made in conjunction with a move or reconfiguration will be treated as a start of new service and all associated nonrecurring installation charges and new minimum period requirements will apply. The customer will also remain responsible for satisfying all outstanding minimum period charges for any disconnected service as the result of a move or reconfiguration.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.5 MOVES (Cont'd)

A. Application of Move Charges Within the Same Serving Wire Center (SWC)

1. EF Move to a New Location Within the Same Building, same SWC, for the Same Customer

The charge for moving an EF to a new location within the same building, same SWC, for the same customer, is one-half of the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed one-half of the "first" move charge and each additional line or trunk is assessed one-half of the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. In addition, one-half of the EF Nonrecurring Installation charge based on the capacity affected, per point of termination, per Access Order is assessed.

2. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EF of One Customer to an EF of Another Customer or to an EICT[1], all Within the Same Building, Same SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EF of one customer to (a) an EF of another customer where its customer premises is located within the same building, same SWC, or (b) to an EICT located within the same building, same SWC, is one-half of the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed one-half of the "first" move charge and each additional line or trunk is assessed one-half of the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF or EICT is responsible for providing the CFA and is assessed an EF or EICT Nonrecurring Installation charge when a new EF or EICT is ordered.

[1] Expanded Interconnection Channel Termination (EICT) as set forth in Section 21, following

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.5 MOVES

- A. Application of Move Charges Within the Same Serving Wire Center (SWC)
(Cont'd)

3. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from One EICT to Another EICT, all Within the Same Building, Same SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from one EICT to another EICT within the same building, same SWC, is one-half of the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed one-half of the "first" move charge and each additional line or trunk is assessed one-half of the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EICT is responsible for providing the CFA and is assessed an EICT Nonrecurring Installation charge when a new EICT is ordered.

4. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EICT to an EF, all Located Within the Same Building, same SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EICT to an EF where its customer premises is located within the same building, same SWC, is one-half of the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed one-half of the "first" move charge and each additional line or trunk is assessed one-half of the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF is responsible for providing the CFA and is assessed an EF Nonrecurring Installation charge when a new EF is ordered.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.5 MOVES

A. Moves Within The Same Serving Wire Center (Cont'd)

5. EF Move to a Different Building, Same SWC for the Same Customer

The charge for moving an EF to a different building, same SWC, for the same customer is the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. In addition, a full EF Nonrecurring Installation charge based on the capacity affected, per point of termination, per Access Order is assessed.

6. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EF of One Customer to an EF of Another Customer or to an EICT Located in a Different Building, Same SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EF of one customer to (a) an EF of another customer where its customer premises is located in a different building, same SWC, or (b) to an EICT located in a different building, same SWC is the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF or EICT is responsible for providing the CFA and is assessed an EF or EICT Nonrecurring Installation charge when a new EF or EICT is ordered.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.5 MOVES

A. Application of Move Charges Within the Same Serving Wire Center (SWC)
(Cont'd)

7. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EICT to an EF Located in a Different Building, Same SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EICT to an EF where its customer premises is located in a different building, same SWC, is the Move Within the Same Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF is responsible for providing the CFA and is assessed an EF Nonrecurring Installation charge when a new EF is ordered.

B. Application of Move Charges to a Different Serving Wire Center (SWC)

1. EF Move to a Different SWC for the Same Customer

The charge for moving an EF to a different SWC for the same customer is assessed the Move to a Different Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. In addition, a full EF Nonrecurring Installation charge based on the capacity affected, per point of termination, per Access Order is assessed.

2. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EF of One Customer to an EF of Another Customer or to an EICT in a Different SWC

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.5 MOVES

B.2. (Cont'd)

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EF of one customer to (a) an EF of another customer where its customer premises is served by a different SWC or (b) to an EICT located in a different SWC is the Move to A Different Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed of the "first" move charge and each additional line or trunk is assessed of the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF or EICT is responsible for providing the CFA and is assessed an EF or EICT Nonrecurring Installation charge when a new EF or EICT is ordered.

3. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from One EICT to Another EICT Located in a Different SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from one EICT to another EICT located in a different SWC is the Move to a Different Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EICT is responsible for providing the CFA and is assessed an EICT Nonrecurring Installation charge when a new EICT is ordered.

4. Reconfiguration of DTT Facility and Associated Lineside or Trunkside Switched Access Services from an EICT to an EF Located in a Different SWC

The charge for reconfiguring DTT facility and associated Lineside or Trunkside Switched Access Services from an EICT to an EF where its customer premises is served by a different SWC is the Move to a Different Serving Wire Center charge as set forth in 6.8.1, following. The first line or trunk is assessed the "first" move charge and each additional line or trunk is assessed the "each additional" move charge per Interface Group 1, 2, 6 or 9, per Access Order. The customer providing the EF is responsible for providing the CFA and is assessed an EF Nonrecurring Installation charge when a new EF is ordered.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.6 MEASURING ACCESS MINUTES

Customer traffic to end office switches will be measured (i.e., recorded or assumed) by the Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Company lost or damaged data files or experienced recording system outages, the Company shall estimate the volume of lost customer access minutes of use based on previously known values. For terminating calls over FGA, FGB, FGC to 800/800-type and FGD, and for originating calls over FGA used for resale, FGB, FGC (where measurement capability is available), and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGA not used for resale, and FGC (where measurement capability is not available), chargeable originating access minutes are derived from recorded minutes in the following manner.

(C)

Step 1:

Obtain recorded originating minutes and messages (measured as set forth in A. and C., following, for FGA not used for resale and FGC where measurement capability is not available, respectively) from the appropriate recording data.

Step 2:

Obtain the total messages and attempts by multiplying the originating measured messages by the "attempts per message ratio". "Attempts per message ratios" (A/M) are obtained separately for the major call categories such as DDD, operator, 8XX and 900, from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

Step 3:

Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incompletd attempts. The total NCTA is the time on a completed attempt from customer acknowledgment of receipt of call to called party answer (set up and ringing) plus the time on an incompletd attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.

Step 4:

Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

Following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

| | | | |
|--------|---|---|---------|
| Where: | Measured Minutes (M. Min.) | = | 7,000 |
| | Measured Messages (M. Mes.)..... | = | 1,000 |
| | Attempts Per Message Ratio (A/M) | = | 1.3330 |
| | NCTA Per Attempt..... | = | .4 |
| 1. | Total Attempts = 1,000 (M. Mes.) x 1.333..... | = | 1,333 |
| 2. | Total NCTA = .4 (NCTA per Attempt) x 1,333..... | = | 533.2 |
| 3. | Total Chargeable Originating Access Minutes = 7,000 (M. Min.) + 533.2 (NCTA) | = | 7,533.2 |

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group. FGB, FGC and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities.

The following assumed minutes are used in the computation of Switched Access Service charges.

The assumed average intrastate access minutes are as set forth following.

When a FGA service arranged for two way calling provided when neither the originating nor terminating access minutes are recorded, the assumed average intrastate access minutes are 7374 access minutes. 3471 access minutes are assumed to be originating and 3903 access minutes are assumed to be terminating. Where recording capability exists for either originating or terminating usage, but not both, on a line arranged for two way calling, the number of access minutes per line will be an assumed 7374 or the recorded usage, whichever is greater. If the usage in the measured direction exceeds 7374 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 7374 access minutes, the usage in the unmeasured direction will be assumed to be 7374 access minutes minus the measured usage (e.g., 7374 - 4000 measured = 3374 assumed in unmeasured direction).

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

When a service arranged for originating calling only is provided where originating access minutes are not recorded, the assumed average originating access minutes are 3471 access minutes and no terminating access minutes will apply.

When a service arranged for terminating calling only is provided where terminating access minutes are not recorded, the assumed average terminating access minutes are 3903 access minutes and no originating access minutes will apply.

A. Feature Group A Usage Measurement

1. For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's POT. (Where FGA is used for resale, this off-hook signal is generally provided by the customer's equipment. Where FGA is not used for resale, the off-hook signal is generally forwarded by the customer's equipment when the called party answers.)
2. The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.
3. For terminating calls over FGA, usage measurement begins when the terminating entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

B. Feature Group B Usage Measurement

1. For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's POT, indicating the customer's equipment has answered.
2. The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.
3. For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.
4. The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

C. Feature Group C Usage Measurement

1. For originating calls over FGC, if measurement capabilities are not available, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's POT, indicating the called party has answered. If measurement capabilities are available, usage measurement begins when the originating FGC entry switch receives the first wink supervisory signal forwarded from the customer's POT.
2. The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.
3. For terminating calls over FGC to services other than 800/800-type or 900, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to 800/800-type or 900 Services. Actual measured usage will be used where available rather than an imputed value.
4. For terminating calls over FGC to 800/800-type service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.
5. The measurement of terminating call usage over FGC to 800/800-type service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has disconnected, or from the customer's POT, whichever is recognized first by the entry switch.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.6 MEASURING ACCESS MINUTES (Cont'd)

D. Feature Group D Usage Measurement

1. Originating Usage Measurement

a. Multifrequency Signaling

- For originating calls over FGD, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's POT.
- The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.

b. SS7 Out of Band Signaling

- For originating calls over FGD, usage measurement on direct trunks begins when the FGD entry switch sends an Initial Address Message (IAM). The usage measurement for tandem trunks via an access tandem or customer-provided tandem switch begins when the FGD entry switch receives an Exit Message (EXM).
- The measurement of originating call usage over FGD with SS7 Out of Band Signaling ends when a Release Message is sent or received by the originating end user's end office, whichever occurs first.

2. Terminating Usage Measurement

- For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.
- The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.7 APPLICATION OF RATES FOR EXTENSION SERVICE

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different exchange or in the same or a different LATA.

6.7.8 MESSAGE UNIT CREDIT

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to charges in the Basic Local Exchange Tariff (five lines and under) or the Exchange and Network Services Catalog (six lines and over) including message unit and toll charges as applicable. The monthly bills rendered to customers for their Feature Group A Switched Access Service for which Carrier Common Line rates apply will include a credit to reflect any message unit charges collected from their end users as described preceding. The credit will apply for recorded originating usage or for assumed originating usage, as appropriate, for the service provided. When the credit is applied on assumed usage, such credit will not exceed the assumed levels of usage as set forth in 6.7.6, preceding. No Message Unit Credit will apply for any terminating access minutes. The Message Unit Credit for originating access minutes is as set forth in 6.8 following.

6.7.9 LOCAL INFORMATION DELIVERY SERVICES

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.8, following. In addition, non-access charges will also apply in accordance with the Information Provider's applicable service rates when the Company performs the billing function for that Information Provider.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.10 MILEAGE MEASUREMENT

The mileage to be used to determine the Switched Transport rate for direct routed traffic via DTT is calculated on the airline distance between the end office switch, or the SWC of a Mobile Telephone Switching Office (MTSO), where the call originates or terminates and the customer's SWC. For tandem routed traffic, DTT is calculated from the access tandem to the customer's SWC and TST is calculated on the airline distance between the end office switch, or the SWC of a MTSO, where the call originates or terminates and the access tandem. Exceptions for mileage measurement are as set forth following. The V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 for Wire Center Information (V & H coordinates).

Mileage is shown in 6.8, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V & H coordinates method, then find the band into which the computed mileage falls and apply the rate shown for that band. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

Exceptions to the mileage measurement rules are as follows:

- A. Mileage for Lineside Switched Access Service provided as DTT in the originating direction is calculated on an airline basis, using the V & H coordinates method, between the end office switch where the Lineside switching dial tone is provided and the customer's SWC for the Switched Access Service provided.

Mileage for Lineside Switched Access Service provided by DTT in the terminating direction is calculated on an airline basis, using V & H coordinates method, between the end office switch where the Lineside switching dial-tone is provided and the customer's SWC when traffic is terminated in the dial-tone office or an end office without measurement capability. When traffic is terminated in an end office with measurement capability and is not the dial-tone office, Tandem Transmission rates are applicable as set forth in 6.7.1, preceding, and mileage will be calculated between the dial-tone office and the end office where the traffic terminates for the application of Tandem Transmission rates. The Tandem Transmission rates are in addition to the DTT rates.

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6.7 RATE TERMS AND CONDITIONS

6.7.10 MILEAGE MEASUREMENT (Cont'd)

- B. When the customer orders Access Service via DTT to a host for access to a remote switching system or module (RSS or RSM), both DTT and Tandem Transmission rates apply as set forth in 6.7.1, preceding. Mileage for DTT is calculated on an airline basis between the SWC of the customer's premises or Company Hub, whichever is applicable, and the host office for the RSS or RSM. Mileage for Tandem Transmission is calculated between the host office and the RSS or RSM.

When the customer orders TST from an access tandem to a host or access to a RSS or RSM, mileage for Tandem Transmission is calculated between the access tandem and the host office and then a second mileage measurement is calculated between the host office and the RSS or RSM.

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6.7 RATE TERMS AND CONDITIONS

6.7.10 MILEAGE MEASUREMENT (Cont'd)

- C. When the Switched Transport for Switched Access Service is provided by the Company and the end user connection is provided by a CMRS provider, mileage for Access will be calculated on an airline basis, using the V & H coordinate method as set forth in this section based on tandem or direct routing. The SWC of the MTSO functions as the end office for mileage calculations.

- D. When jointly provisioned Switched Access Service is provided between the Company and another Exchange Telephone Company in conjunction with 800 DB Access Service and ANI cannot be identified, the Company and the other Exchange Telephone Company will mutually agree upon an end office designation to determine an existing end office that reflects the closest mileage measurement to the average Switched Transport miles. This end office designation can then be used for purposes of determining the appropriate mileage by using the V&H coordinate method. When the ANI can be determined, the originating end office will be used to determine the Switched Transport mileage.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS

6.7.10 MILEAGE MEASUREMENT (Cont'd)

- E. When DTT Switched Transport facilities of different capacities or bandwidths are connected by a multiplexer at a Company Hub, mileage is determined using the V & H coordinates method. Mileage for DTT is measured separately from the SWC to the Company Hub where multiplexing occurs and then measured from the Company Hub to the end office.
- F. When DTT is provided from the SWC to an access tandem in conjunction with TST to subtending end offices, the mileage is determined using the V & H coordinates method. Mileage for DTT is measured between the SWC and the access tandem and mileage for TST is measured from the access tandem to the end offices.
- G. Mileage Measurement for Switched Transport connected to Expanded Interconnection (EI) Service is determined as follows:
- If the EI Service and the access tandem are in the same wire center building, the zero mileage band is used for the transport between the EI Service and the access tandem. Mileage measurement for TST from the access tandem to subtending end offices not located in the same wire center building as the access tandem is calculated using the V&H coordinate method. If the subtending end office is in the same wire center building, a zero mileage band applies.
 - Mileage measurement for DTT is calculated using the V&H coordinate method between the EI Service wire center building and the access tandem when the EI Service and access tandem are in different wire center buildings.
 - Mileage measurement for DTT between the EI Service and the end office when the DTT connects to EI Service in the same wire center building as the end office is a zero mileage band. When the end office is not located in the same wire center building, mileage measurement is calculated using the V&H coordinate method.

6.7.11 SHARED USE

The regulations governing the provision of Shared Use facilities are set forth in 2.7, preceding.

6. SWITCHED ACCESS SERVICE

6.7 RATE TERMS AND CONDITIONS (Cont'd)

6.7.12 TERMINATING FX/ONAL

When FX/ONAL service is used in the terminating direction to access NXXs outside of the local calling area in which the first point of switching is located, but within the LATA, access rates in this document will not apply. This is Message Toll Service and the rates for Message Toll Service will apply.

6.7.13 PERCENT DIRECT ROUTED (PDR) FACTOR

When the customer orders Trunkside Switched Access Service, and the Company is unable to determine routing based on the call detail, the Company apportions usage between TST and DTT based on a state PDR factor. The PDR factor determines the percentage of traffic to be billed TST rates. DTT monthly rates will not be apportioned by the PDR factor.

The Company calculates the PDR factor in the following manner:

Step 1: The Company obtains the total billed usage for all Switched Access Services on a state-wide basis.

Step 2: The Company obtains the total billed usage for all Switched Access Services utilizing TST on a state-wide basis.

Step 3: The percentage of TST traffic is obtained by dividing the total TST billed usage obtained in Step 2 by the total billed usage in Step 1.

Step 4: The percentage in Step 3 is subtracted from 100 to determine the percentage of DTT traffic (PDR factor).

Step 5: The percentage in Step 3 is multiplied by the total number of access minutes that the Company was unable to determine routing for in that specific state.

This PDR factor will serve as the basis for billing until a revised PDR factor is calculated annually based on the previous year's usage.

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6.7 RATE TERMS AND CONDITIONS (Cont'd)

6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT

A. Entrance Facility

1. Electrical Interface,

| | NONRECURRING CHARGE | MONTHLY RATE | (T) |
|---|--------------------------------|-------------------------|------------|
| a. Voice Grade, per point of termination | \$99.00 | \$ 51.35 | (T) |
| b. DS1, per DS1 | 313.25 | 92.18 | (T) |
| c. DS3, per DS3 | 313.25 | 1,083.53 | (T) |

| | | MONTHLY RATE | (T) |
|-------------------------|--|-------------------------|------------|
| 2. Optical Interface[1] | | | |
| • DS3, per DS3 | | \$619.68 | (T) |

[1] For Shared Use only as set forth in 2.7, preceding.

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6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT (Cont'd)

B. Direct-Trunked Transport Monthly Rates

| MILEAGE BANDS | MONTHLY RATE | | (T) |
|----------------------|---------------------|-----------------|------------|
| | FIXED | PER MILE | |
| 1. Voice Grade | | | |
| 0 | — | — | (T) |
| Over 0 to 8 | \$ 20.86 | \$ 0.27 | |
| Over 8 to 25 | 21.28 | 0.15 | |
| Over 25 to 50 | 20.37 | 0.13 | |
| Over 50 | 24.46 | 0.29 | (T) |
| 2. DS1 | | | |
| 0 | — | — | (T) |
| Over 0 to 8 | 45.27 | 6.85 | |
| Over 8 to 25 | 57.70 | 7.23 | |
| Over 25 to 50 | 62.71 | 7.61 | |
| Over 50 | 69.05 | 7.96 | (T) |
| 3. DS3 | | | |
| 0 | — | — | (T) |
| Over 0 to 8 | 429.89 | 71.01 | |
| Over 8 to 25 | 412.09 | 45.79 | |
| Over 25 to 50 | 413.55 | 46.72 | |
| Over 50 | 520.36 | 58.94 | (T) |

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6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT (CONT'D)

C. Tandem-Switched Transport Usage Rates

| MILEAGE BANDS | RATE PER ACCESS MINUTE | |
|-----------------------------------|------------------------|------------|
| | FIXED | PER MILE |
| 1. Tandem Transmission | | |
| • Originating– Non-8YY * | | |
| 0 | – | – |
| Over 0 to 8 | \$0.000431 | \$0.000022 |
| Over 8 to 25 | 0.000480 | 0.000023 |
| Over 25 to 50 | 0.000490 | 0.000023 |
| Over 50 | 0.000551 | 0.000024 |
| • Terminating – Tandem 3rd Party | | |
| 0 | – | – |
| Over 0 to 8 | 0.000240 | 0.000030 |
| Over 8 to 25 | 0.000240 | 0.000030 |
| Over 25 to 50 | 0.000240 | 0.000030 |
| Over 50 | 0.000240 | 0.000030 |
| • Terminating – Tandem End Office | | |
| 0 | – | – |
| Over 0 to 8 | 0.000000 | 0.000000 |
| Over 8 to 25 | 0.000000 | 0.000000 |
| Over 25 to 50 | 0.000000 | 0.000000 |
| Over 50 | 0.000000 | 0.000000 |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for 8YY and Non-8YY originating transport services were established. The Non-8YY originating element is displayed above. The originating 8YY rate element for transport services is displayed as 8YY Joint Tandem Switched Transport in Section 6.8.1.C.1., following.

(T)
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(T)

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6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT

C. Tandem-Switched Transport Usage Rates (Cont'd)

| | RATE PER ACCESS MINUTE | |
|--|-----------------------------------|-----|
| • Tandem Switching Charge | | |
| - Originating– Non-8YY * | \$0.002469 | (T) |
| - Terminating – Tandem 3rd Party | 0.002252 | |
| - Terminating – Tandem End Office | 0.000000 | |
| • Common Transport Multiplexing | | |
| - Originating– Non-8YY * | 0.000242 | (T) |
| - Terminating – Tandem 3rd Party | 0.000036 | |
| - Terminating – Tandem End Office | 0.000000 | |
| • 8YY Joint Tandem Switched Transport | | (N) |
| - Originating – 8YY * | 0.001000 | (N) |
| | | |
| | MONTHLY RATE | |
| • Access Tandem Trunk Port Charge, per port | \$6.00 | |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for 8YY and Non-8YY originating transport services were established. The 8YY originating rate element for transport services is displayed as 8YY Joint Tandem Switched Transport.

(N)
|
(N)

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT (Cont'd)

D. Nonrecurring Charges

1. Line or Trunk Installation

a. Interface Groups 1 and 2

- First Line or Trunk
- Each Additional Line or Trunk

b. Interface Group 6

- First Line or Trunk
- Each Additional Line or Trunk

c. Interface Group 9

- First Line or Trunk
- Each Additional Line or Trunk

**NONRECURRING
CHARGE**

\$446.82
77.40

412.28
42.64

409.32
40.34

(M)

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT

D. Nonrecurring Charges (Cont'd)

2. Moves Within the Same Serving Wire Center

| | NONRECURRING CHARGE | (T) |
|--|--------------------------------|------------|
| • Switched Access Service Per Line or Trunk associated with Interface Groups 1 and 2 | | |
| - First Line or Trunk | \$318.17 | (T) |
| - Each Additional Line or Trunk | 32.42 | (T) |
| • Switched Access Service Per Line or Trunk associated with Interface Group 6 | | |
| - First Line or Trunk | 297.41 | (T) |
| - Each Additional Line or Trunk | 10.43 | (T) |
| • Switched Access Service Per Line or Trunk associated with Interface Group 9 | | |
| - First Line or Trunk | 296.17 | (T) |
| - Each Additional Line or Trunk | 9.10 | (T) |

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6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT

D. Nonrecurring Charges (Cont'd)

3. Moves to a Different Serving Wire Center

| | NONRECURRING CHARGE | (T) |
|--|--------------------------------|------------|
| • Switched Access Service Per Line or Trunk associated with Interface Groups 1 and 2 | | |
| - First Line or Trunk | \$369.87 | (T) |
| - Each Additional Line or Trunk | 49.14 | (T) |
| • Switched Access Service Per Line or Trunk associated with Interface Group 6 | | |
| - First Line or Trunk | 335.00 | (T) |
| - Each Additional Line or Trunk | 12.16 | (T) |
| • Switched Access Service Per Line or Trunk associated with Interface Group 9 | | |
| - First Line or Trunk | 332.65 | (T) |
| - Each Additional Line or Trunk | 9.68 | (T) |

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6.8.1 SWITCHED TRANSPORT

D. Nonrecurring Charges (Cont'd)

4. Service Rearrangement

a. SS7 Out of Band Signaling

(1) Service Order Rearrangement Charge

**NONRECURRING
CHARGE (T)**

• One-way transmission to SS7 FGD two-way \$ 97.72 (T)

• Two-way transmission to SS7 FGD two-way 97.72 (T)

(2) Trunk Rearrangement Charge

• One-way transmission to SS7 FGD two-way

- Per first trunk in a SS7 trunk group

- Interface Groups 1 and 2 180.34 (T)

- Interface Group 6 176.44 | (T)

- Interface Group 9 176.44 (T)

- Per each additional trunk in a SS7 trunk group

- Interface Groups 1 and 2 15.18 (T)

- Interface Group 6 11.28 | (T)

- Interface Group 9 11.28 (T)

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6.8.1 SWITCHED TRANSPORT

D.4.a.(2) (Cont'd)

| | NONRECURRING CHARGE | (T) |
|--|--------------------------------|------------|
| • Two-way transmission to SS7 FGD two-way | | |
| - Per first trunk in a SS7 trunk group | | |
| - Interface Groups 1 and 2 | \$152.81 | (T) |
| - Interface Group 6 | 148.91 | |
| - Interface Group 9 | 148.91 | (T) |
| - Per each additional trunk in a SS7 trunk group | | |
| - Interface Groups 1 and 2 | 12.39 | (T) |
| - Interface Group 6 | 8.50 | |
| - Interface Group 9 | 8.50 | (T) |
| b. FGD Service with SS7 Out of Band Signaling to FGD Service with SS7 Out of Band Signaling and Clear Channel Capability | | |
| | NONRECURRING CHARGE | (T) |
| • Per first trunk | | |
| - Interface Group 6 | \$206.14 | (T) |
| - Interface Group 9 | 204.66 | (T) |
| • Per each additional trunk | | |
| - Interface Group 6 | 22.44 | (T) |
| - Interface Group 9 | 21.23 | (T) |

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D. Nonrecurring Charges

4. Service Rearrangement (Cont'd)

| | NONRECURRING CHARGE | (T) |
|--|--------------------------------|------------|
| c. FGB or FGD | | |
| Tandem to Direct Routed Access | | |
| • Per first trunk in a Direct Routed Trunk Group | | |
| - Interface Groups 1 and 2 | \$156.39 | (T) |
| - Interface Group 6 | 144.30 | |
| - Interface Group 9 | 143.26 | (T) |
| • Per each additional trunk in a Direct Routed Trunk Group | | |
| - Interface Groups 1 and 2 | 27.09 | (T) |
| - Interface Group 6 | 15.71 | |
| - Interface Group 9 | 14.86 | (T) |
| d. Rollover Charges | | |
| • Voice Grade, per termination | | |
| | 57.76 | (T) |
| • DS1 to DS3, Per DS1 or DS3 Termination | | |
| | 122.50 | (T) |

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6.8 RATES AND CHARGES

6.8.1 SWITCHED TRANSPORT (Cont'd)

E. Optional Features

1. Multiple POTs Tandem Sectorization (MPTS)

| | NONRECURRING CHARGE | (T) |
|---|--------------------------------|------------|
| • MPTS ASR (without associated trunk activity), per ASR | \$48.71 | (T) |
| • MPTS Establishment (without associated trunk activity) | | |
| - Per FGC sector | 323.25 | (T) |
| - Per FGD sector | 188.86 | (T) |
| • MPTS Establishment (with associated trunk activity) | | |
| - Per FGC sector | 323.25 | (T) |
| - Per FGD sector | 188.86 | (T) |
| • MPTS Rearrangement (without associated trunk activity) | | |
| - Per FGC sector | 47.25 | (T) |
| - Per FGD sector | 32.55 | (T) |
| • MPTS Rearrangement (with associated trunk activity) | | |
| - Per FGC sector | 47.25 | (T) |
| - Per FGD sector | 32.55 | (T) |

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6.8.1 SWITCHED TRANSPORT
E. Optional Features (Cont'd)

| | | | | |
|----|---|--------------------------------|-------------------------|------------|
| | | | | (D) |
| 2. | Customer specification of the receive transmission level at the first point of switching within a range acceptable to the Company, per Line or Trunk[1] | | | (T) |
| 3. | Customer specification of Switched Transport Termination four-wire termination in lieu of two-wire termination, per Line or Trunk[2] | | | (T) |
| | | NONRECURRING CHARGE | MONTHLY RATE | (T) |
| 4. | Multiplexing[3] | | | |
| | • Entrance Facility, per arrangement: | | | |
| | - DS1 to Voice Grade | \$ 75.00 | \$199.98 | (T) (T) |
| | - DS3 to DS1 | 200.00 | 252.37 | (T) (T) |
| | • DTT Facility, per arrangement: | | | |
| | - DS1 to Voice Grade | 75.00 | 199.98 | (T) (T) |
| | - DS3 to DS1 | 200.00 | 252.37 | (T) (T) |

[1] Available with Interface Groups 2, 6 and 9. The range of transmission levels which may be specified is described in Technical Reference PUB GR-334-CORE.

[2] Available with Feature Group B.

[3] Nonrecurring charges apply when the MUX is not installed at the same time as an Entrance Facility or a DTT facility.

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6.8 RATES AND CHARGES (Cont'd)

6.8.2 LOCAL SWITCHING

A. Local End Office Switching

| | RATE PER ACCESS MINUTE |
|--|-----------------------------------|
| • LS1 - Feature Groups A & B | |
| - Originating- 8YY | \$0.000987 (R) |
| - Originating- Non-8YY | \$0.016918 |
| - Terminating | 0.000000 |
| • LS2 - Feature Groups C & D | |
| - Originating- 8YY | \$0.000987 (R) |
| - Originating- Non-8YY | 0.016918 |
| - Terminating | 0.000000 |
| • End Office Shared Port | |
| - Originating- 8YY | 0.0002495 (R) |
| - Originating- Non-8YY | 0.000499 |
| - Terminating | 0.000000 |
| | MONTHLY RATE |
| • End Office Dedicated Trunk Port, ^[1] per trunk | \$3.00 |

[1] The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The Originating portion of the charge is \$3.00.

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6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A. Local End Office Switching (Cont'd)

| | RATE |
|--|--------------------------------|
| • 800 DB Access Service (a.k.a. 8YY DB Service) | |
| - 8YY CIC, per call | \$0.00185 (R) |
| - Vertical Features | |
| • POTS Translation Charge, per call | 0.000000 |
| • Call Handling and Destination Feature Charge, per query | 0.000000 |
| • 900 Access Service Customer Identification Charge, per call | 0.000994 |
| | NONRECURRING CHARGE |
| • 900 Access Service | |
| - Per first NXX, per End Office/Tandem | \$103.56 |
| - Per each subsequent NXX, per End Office/Tandem | 25.11 |
| - Expanded 900 Option per End Office/ Tandem with NXX Activity (available with FGD) | 988.83 |
| - Expanded 900 Option per End Office/ Tandem without NXX Activity (available with FGD) | 1,035.25 |

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A. Local End Office Switching (Cont'd)

1. Common Switching Optional Features

- (D)
- Call Denial on Line or Hunt Group (available with FGA), per Line (T)
- Service Code Denial on Line or Hunt Group (available with FGA), per Line (T)
- Hunt Group Arrangement (available with FGA), per Line (T)
- Uniform Call Distribution Arrangement (available with FGA), per Line (T)
- Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement (available with FGA), per Line (T)
- Automatic Number Identification (available with FGB, FGC and FGD), per Trunk Group[1] (T)
- Up to 7 Digit Outpulsing of Access Digits to Customer (available with FGB), per Trunk Group (T)
- Cut-Through (available with FGD), per End Office or Access Tandem (T)
- Delay Dial Start-Pulsing Signaling (available with FGC), per Trunk Group (T)

[1] MF Signaling or SS7 Out of Band Signaling.

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6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A.1. (Cont'd)

- Immediate Dial Pulse Address Signaling (available with FGC), per Trunk Group (D)
- Dial Pulse Address Signaling (available with FGC), per Trunk Group (T)
- Service Class Routing (available with FGC and FGD), per Trunk Group (T)
- Multiple Customer Premises Alternate Routing (available with FGB, FGC and FGD), per Trunk Group (T)
- End Office Alternate Routing When Ordered in Trunks (available with FGB, FGC and FGD),
 - Per Trunk
 - Per Trunk Group (T)
- End Office Alternate Routing to a customer-provided tandem premises, FGD only
 - Per trunk
 - Per trunk group (T)
- Trunk Access Limitation Arrangement (available with FGC and FGD), per End Office (T)
- Band Advance for use with WATS Access Service (available with FGC and FGD), per Hunt or Trunk Group (T)
- Hunt Group for use with WATS Access Service (available with FGC and FGD), per Hunt Group (T)

NOTICE
THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.
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6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A.1. (Cont'd)

| | | |
|--|----------------------------|-----|
| | | (D) |
| • Uniform Call Distribution for use with WATS Access Service (available with FGC and FGD, per Hunt Group) | | (T) |
| • Nonhunting Number for use with Hunt Group or Uniform Call Distribution for use with WATS Access Service (available with FGC and FGD), per Line | | (T) |
| | RATE | |
| • Feature Group A InterLATA Toll Denial, per Line | - | |
| • SWITCHNET 56 Service (available with FGD from suitably equipped end offices) | - | |
| | NONRECURRING CHARGE | |
| • Clear Channel Capability (available with FGD), per trunk group[1] | \$12.50 | (T) |

[1] The flat rated Clear Channel Capability charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A. Local End Office Switching (Cont'd)

2. Transport Termination Options

a. Lineside Terminations (For FGA)

- (D)
- Two Way Operation
 - Dial Pulse with Loop Start (T)
 - Dial Pulse with Ground Start
 - DTMF with Loop Start
 - DTMF with Ground Start (T)
- Terminating Operation
 - Dial Pulse with Loop Start (T)
 - Dial Pulse with Ground Start
 - DTMF with Loop Start
 - DTMF with Ground Start (T)
- Originating Operation
 - Loop Start (T)
 - Ground Start (T)

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

A.2. (Cont'd)

b. Trunkside Terminations (For FGB, FGC and FGD)

- Standard Trunk for Originating,
(available with FGB, FGC and FGD) (D)
- Terminating (available with FGB, FGC and FGD) (T)
- Two-Way (available with FGB, FGC and FGD)[1] (T)
- Operator Trunk, Coin, Non-Coin or Combined
Coin and Non-Coin (available with FGC and FGD) (T)
- Operator Trunk, Full Feature Arrangement
(available with FGD) (T)

B. Line Terminations

1. WATS Access Line Termination Options

a. Lineside Terminations:

- Originating Only Loop Start,
Lineside Connection, with
DTMF Address Signaling,
per WATS Access Line (T)
- Originating Only Loop Start,
Lineside Connection, with
Dial Pulse Address Signaling,
per WATS Access Line (T)

[1] Two-Way Trunkside Termination is not available on FGD Service routed via a customer-provided tandem premises.

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES

6.8.2 LOCAL SWITCHING

B.1.a. (Cont'd)

- Originating Only Ground Start,
Lineside Connection, with
DTMF Address Signaling,
per WATS Access Line (D)
 - Originating Only Ground Start,
Lineside Connection, with
DTMF Address Signaling,
per WATS Access Line (T)
 - Originating Only Ground Start,
Lineside Connection, with
Dial Pulse Address Signaling,
per WATS Access Line (T)
 - Terminating Only Loop Start,
Lineside Connection,
per WATS Access Line (T)
 - Terminating Only Ground Start,
Lineside Connection,
per WATS Access Line (T)
- b. Trunkside Terminations:
- Terminating Only
Trunkside Connection
for Forwarding of Dialed
Number Identification
to End User, per
WATS Access Line (T)

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6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES (Cont'd)

6.8.3 MESSAGE UNIT CREDIT

| | RATE |
|---|---------------|
| <ul style="list-style-type: none">• Message Unit Credit, per originating access minute[1] | (\$ 0.000181) |

[1] () Equals a negative amount.

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7. RESERVED FOR FUTURE USE

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8. BILLING AND COLLECTIONS SERVICES

| SUBJECT | PAGE |
|---------------------------------------|-------------|
| Billing and Collections Services..... | 1 |

8. BILLING AND COLLECTIONS SERVICES

The Company may, at the request of the customer, provide Billing and Collections Services. All such requests will be reviewed to determine the feasibility of implementing the request and whether the Company wishes to provide the requested service or modification. In such cases, where the Company has agreed to fulfill the customer's request, the applicable charges, rates, terms and conditions will be determined on an individual case basis (ICB).

Specific terms and conditions will be determined by the Company on an individual case basis with each customer and included in the contract and/or contract addenda.

[1] This page cancels the following pages: Pages 2 through 3, Release 1
Pages 4 through 20, Release 2
Page 21, Release 3

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9. RESERVED FOR FUTURE USE

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10. RESERVED FOR FUTURE USE

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11. SPECIALIZED SERVICE OR ARRANGEMENTS

| SUBJECT | PAGE |
|------------------------|-------------|
| General..... | 1 |
| Rates And Charges..... | 2 |

11. SPECIALIZED SERVICE OR ARRANGEMENTS

11.1 GENERAL

Specialized Service or Arrangements may be provided by the Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this document.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Company services, facilities, and its engineering and maintenance practices.
- The offering is subject to the availability of the necessary Company personnel and capital resources.
- The requested service or arrangements will be provided whenever, in the judgment of the Company, there is a valid reason for providing the service requested and it is not detrimental to any other services offered by the Company.
- The offering will be furnished subject to the provisions of the regulations in Section 2. and the regulations, rates, and charges specified herein.
- The offering will be furnished at charges based on cost of furnishing such service and arrangements. Monthly rates and one-time charges such as service and equipment charges, and construction charges will apply based on the circumstances in each case. The Company reserves the right to require an initial contract period longer than one month at the same location.
- The charge to move or change service or arrangements will be done on an individual case basis.

11. SPECIALIZED SERVICE OR ARRANGEMENTS

11.2 RATES AND CHARGES

11.2.1 SPECIALIZED SERVICE OR ARRANGEMENTS

Rates and charges for specialized service or arrangements provided on an individual case basis are filed following:

A. PL Channel

| | USAC | SERVICE & EQUIPMENT CHARGE | MONTHLY RATE |
|--|-------------|---|-------------------------|
| <ul style="list-style-type: none"> Service terminal duplex, type 2002 channel. ENG. F1748 | #DHFT | 107.25 | 28.79 |

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111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS

| SUBJECT | PAGE |
|----------------|-------------|
| General..... | 1 |

111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS

111.1 GENERAL

Obsolete Services are certain items of service and equipment previously offered elsewhere. Due to obsolescence, these items are no longer suitable to meet current needs of the general public. They will not be furnished as new items of service to any customer or applicant except where they are required to fully utilize the installed common equipment capacities of existing systems.

At the discretion of the Company, the items of service and equipment listed herein which were furnished prior to the date such items became obsolete, hereunder may be continued in service only if they remain on the same premises and the Company is able to maintain such items without unreasonable expense and is able to obtain repair parts from existing or recovered stock.

Obsolete customized services or equipment will be furnished at charges based on cost of furnishing such equipment arrangements. Monthly rates and one-time charges such as Service and Equipment Charges and construction charges will apply based on the circumstances in each case. The Company reserves the right to require an initial contract period longer than one month at the same location.

A. Regulations

The charge to move or change obsolete customized services of equipment is the same as the charge to install it.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

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| Charges | 3 |
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| Maintenance of Service..... | 4 |
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**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

| SUBJECT | PAGE |
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| Rates and Charges..... | 9 |
| Testing Services | 16 |
| Nonscheduled Tests | 19 |
| Scheduled Tests | 16 |

12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES

In this section, normal business hours are from Monday through Friday, 8:00 a.m. to 5:00 p.m. Hours before 8:00 a.m. and after 5:00 p.m., Monday through Friday, and all day Saturday, are considered overtime. Sundays and Holidays are premium time.

12.1 ADDITIONAL ENGINEERING

Additional Engineering will be provided by the Company at the request of the customer only when:

- A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR).
- Additional engineering time is incurred by the Company to engineer a customer's request for a customized technical specifications package.

The Company will notify the customer that additional engineering charges, as set forth in A. following, will apply before any additional engineering is undertaken.

A. Charges for Additional Engineering

The charges for Additional Engineering are as follows:

| | NONRECURRING CHARGE | (T) |
|--|--------------------------------|------------|
| Additional Engineering Periods | | |
| • Basic Time, per engineer, each 1/2 hour or fraction thereof | \$30.00 | (T) |
| • Overtime, per engineer, each 1/2 hour or fraction thereof | 40.00 | (T) |

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.2 ADDITIONAL LABOR

Additional labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in A. and B., following. The Company will notify the customer that additional labor charges as set forth in C., following, will apply before any additional labor is undertaken. The charges apply per Company technician performing billable work at the customer's request. When more than one technician is involved in working on a customer's request, the amount of time accrued by all technicians will be totaled to determine the number of 1/2 hour increments to be billed.

A. Overtime Installation

Overtime installation is that Company installation effort requested by the customer outside of normal business hours.

B. Other Labor

Other Labor is that additional labor not included in A., preceding, and labor incurred to accommodate a specific customer request that involves only labor, which is not covered by any other section of this Catalog. Other Labor also includes fine tuning circuits (per occurrence) to return them to the originally designated level even though the circuit has not degraded below the designated immediate action level. In addition, Other Labor includes Testing Services as described in 12.3.4, following.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
 AND MISCELLANEOUS SERVICES**

12.2 ADDITIONAL LABOR (Cont'd)

C. Charges for Additional Labor

The charges for additional labor are as follows:

| ADDITIONAL LABOR - INSTALLATION PERIODS | NONRECURRING CHARGE | (T) |
|---|--------------------------------|------------|
| • Overtime, per technician, each 1/2 hour or fraction thereof[1] | \$ 9.00 | (T) |
| • Premium time, per technician, each 1/2 hour or fraction thereof[1] | 17.00 | (T) |
| ADDITIONAL LABOR - OTHER PERIODS | | |
| • Basic time, per technician, each 1/2 hour or fraction thereof | 28.00 | (T) |
| • Overtime, per technician, each 1/2 hour or fraction thereof[1] | 36.00 | (T) |
| • Premium time, per technician, each 1/2 hour or fraction thereof[1] | 45.00 | (T) |

[1] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four (4) hours.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
 AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.1 MAINTENANCE OF SERVICE

When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Company personnel are dispatched to the customer's premises to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time. The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel to the customer's premises, and the trouble is in equipment or communications systems provided by other than the Company. No credit allowance will be applicable for the interruption involved if the Maintenance of Service charge applies.

When a Maintenance of Service visit is made, Maintenance of Service Charges will apply and are billed to the customer where the problem exists.

| MAINTENANCE OF SERVICE PERIODS | NONRECURRING CHARGE | (T) |
|---|--------------------------------|------------|
| • Basic Time, per technician, each 1/2 hour or fraction thereof | \$27.00 | (T) |
| • Overtime, per technician, each 1/2 hour or fraction thereof[1] | 36.00 | (T) |
| • Premium Time, per technician, each 1/2 hour or fraction thereof[1] | 45.00 | (T) |

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

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES (Cont'd)

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM

A. Description

Telecommunications Service Priority (TSP) is a regulatory, administrative, and operational system developed by the Federal Government to ensure priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The Federal Communications Commission (FCC) defines NSEP telecommunications services as those services which are used to maintain a state of readiness or to respond to and manage any event or crisis, which causes or could cause harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States.

Under the rules of the TSP System, telephone companies are authorized and required to provision and/or restore services with TSP assignments before services without such assignments.

Priority installation and/or restoration of NSEP telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook", (National Communications System (NCS) Handbook 3-1-2) dated December 1, 1989.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

B. Definitions

Confirmation

Denotes the process required of a prime service vendor to report the completion of TSP service orders to the TSP Program Office.

Invocation

Denotes the notification from an invocation official, conveyed by a service user to a service vendor, that a TSP service is so vital that it must be expeditiously provisioned.

Preemption

Denotes the authorization of the Company by the FCC's TSP System rules to preempt other existing services to restore TSP services when, in the Company's best judgment, preemption is necessary. If no suitable spare or non-TSP services are available, the service vendor may preempt an existing TSP service to restore a TSP service of higher restoration priority assignment.

Prime Service Vendor

Denotes the status of the Company when contracting directly with a service user to provide the user all or a portion of a TSP service.

Reconciliation

Denotes the comparison of TSP service information and the resolution of identified discrepancies.

Service User (TSP)

Denotes any individual or organization (including a service vendor) supported by a telecommunication service for which a TSP assignment has been requested or assigned.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM

B. Definitions (Cont'd)

Subcontractor

Denotes the Company as a TSP service vendor with whom a prime service vendor contracts to provide a portion of a service to a TSP service user.

System Development

Denotes the Company's modification of computer software, the development of processes and procedures and the staff training necessary for the provisioning of the TSP System.

Verification

Denotes the procedure for determining the authority of an invocation official and the accuracy and validity of a TSP installation or restoration priority assignment with the TSP Program Office.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

C. Regulations

1. The TSP System's applicability is limited to telecommunication services which the Company can discreetly identify for priority provisioning and/or restoration.
2. The customer subscribing to TSP System Service must also be the customer subscribing to the service with which TSP is associated.
3. Under certain conditions, it may be necessary to preempt one or more customer services with a lower or no restoration priority in order to install or restore higher priority NSEP telecommunications service(s). If such preemption is necessary, and if circumstances permit, the Company will make reasonable effort to notify the preempted customer of the action to be taken. Credit allowance for such service preemption shall be made, in accordance with the provisions specified elsewhere.
4. In obtaining TSP System service, the customer acknowledges and consents to the company providing customer service record information to the Federal Government in order for the Government to maintain and administer its overall TSP System. This customer service record information will include TSP Authorization Code, Company Circuit/Service ID, customer telephone number and service location.
5. Credit allowance for service interruption for Priority Restoration Maintenance and Administration shall be the same as for the service with which it is associated as specified elsewhere.
6. When performing a service under TSP, the Company may not be in a position to notify the customer in advance of circumstances which require additional labor and for which additional labor charges apply. The TSP subscriber recognizes that quoting charges and obtaining permission to proceed would cause unnecessary delays that would be contrary to the objectives of the TSP System. In subscribing to the TSP system the customer recognizes this condition and grants the Company the right to quote charges after work has been completed.
7. Other regulations, rates and charges for services such as expedited service, special construction, due date change, Maintenance of Service etc. may apply as specified elsewhere when provided in conjunction with the TSP System.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

D. Rates And Charges

The following rates and charges are per point of termination or per access line and apply when the Company is either a Prime Service Vendor or a Subcontractor to a Prime Service Vendor of the TSP System. These rates and charges are in addition to all other rates and charges that may be applicable for services which operate in conjunction with the TSP System.

| | NONRECURRING CHARGE | MONTHLY RATE | (T) |
|---|--------------------------------|-------------------------|------------|
| Priority Installation (PI)[1] | | | |
| • PI Invocation | | | |
| Includes System Development, Verification and Confirmation | | | |
| - Prime Service Vendor | \$128.00 | - | (T) |
| - Subcontractor | 128.00 | - | (T) |

[1] When a service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
 AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM

D. Rates And Charges (Cont'd)

| | NONRECURRING CHARGE | MONTHLY RATE | (T) |
|---|--------------------------------|-------------------------|------------|
| Priority Restoration (PR)[1] | | | |
| • PR Level Implementation | | | |
| Includes System Development, Verification and Confirmation | | | |
| - Prime Service Vendor | \$128.00 | - | (T) |
| - Subcontractor | 128.00 | - | (T) |
| • PR Level Change Only | | | |
| Includes Verification and Confirmation | | | |
| - Prime Service Vendor | 5.00 | - | (T) |
| - Subcontractor | 5.00 | - | (T) |
| • PR Maintenance and Administration | | | |
| Includes Reconciliation | | | |
| - Prime Service Vendor | - | \$1.75 | (T) |
| - Subcontractor | - | 1.75 | (T) |

[1] When a service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES (Cont'd)

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION

A. Description

Interexchange Carrier (IC) Subscription is a procedure whereby an end user or payphone service provider (PSP) may select and designate to the Company an IC to access without dialing an access code. This procedure applies for both interLATA and intraLATA calls. This IC is referred to as the end user's or PSP's primary IC (PIC). An end user or PSP may select one primary IC for both interLATA and intraLATA service, or they may choose to have two primary ICs, one for interLATA service and a different IC for intraLATA service.

The IC Subscription procedure applies to Telephone Exchange Service lines and/or trunks, Switched Access Lineside connections, Centrex-type lines and Public Access Line (PAL) Service.

- For IC Subscription pay telephones, the PSP will select and designate to the Company an IC to access, without dialing an access code, for intraLATA calls.

Should a caller wish to use the services of an IC other than the primary IC, it is necessary for the caller to dial the IC's access code(s) to reach that IC's service(s).

The terms, conditions, rates and charges for interLATA IC Subscription are found in F.C.C. No. 11, Section 13.

(T)

The terms and conditions for intraLATA IC Subscription are following.

B. Terms and Conditions

1. Charge Application for IC Subscription

- a. End users or PSPs placing orders for new service will be asked to select a primary IC at the time they place an order with the Company for Exchange Service, Switched Access Lineside connection, Centrex-type service or PAL Service. There will be no charge for this selection.
- b. Subsequent to the installation of Telephone Exchange Service, Switched Access Lineside connection, Centrex-type service or PAL Service, for any change in selection, including a change from one access code to another access code for the same IC, a nonrecurring charge applies.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION

B.1. (Cont'd)

- c. When end users or PSPs simultaneously choose or change an intraLATA and interLATA primary IC, a PIC change charge from F.C.C. No. 11, Section 13, will apply in addition to the applicable charge as set forth in D., following. (T)
- d. The nonrecurring charge for a primary IC change is billed to the end user who is the subscriber to the Telephone Exchange Service, Switched Access Lineside connection, Centrex-type service or to the PSP of PAL Service. However, an IC may, at its option, pay the charge for any end user and/or PSP at any time, or as prescribed by the Company, when the IC has specified that the PIC change request is being made as the result of an end user/PSP disputed PIC change reported to the alleged authorized carrier. The nonrecurring charge for a PIC change is set forth in D., following.
- e. The applicable primary IC change charge as set forth in D., following, will be determined based on whether the change is requested through manual or electronic means.
 - (1) A manual change is defined as a change submitted to a customer service representative from an end user request or by a wholesale provider request.
 - (2) An electronic change is defined as a change submitted by an IC to the Company through the Regional Subscription System (RSS) or processed from an electronic source such as a Company-sponsored website, regardless of whether some manual processing is required.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION

B. Terms and Conditions(Cont'd)

2. Dispute Application for IC Subscription

If there is a conflict between an end user, a PSP or their respective agent, on one hand, and the IC on the other hand, over the designation of the primary IC, the Company will honor the designation selected by the end user, a PSP or their respective agent, regardless of any contractual obligations the end user, PSP or agent may have with one or more ICs.

If there is a conflict between an end user and/or a PSP, on one hand, and their agent on the other hand, over the designation of the primary IC, the Company will honor the designation selected by the end user and/or PSP regardless of any contractual obligations the end user and/or PSP may have with one or more ICs or agents.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION

B. Terms and Conditions (Cont'd)

3. Subscriber Alleged PIC Disputes

When a subscriber alleges that a PIC change was made without their authorization, the Company shall return the subscriber to their previous PIC at no charge to the subscriber. All PIC change charges assessed by the Company to the subscriber as the result of the alleged unauthorized PIC change shall be credited to the subscriber's service.

Even if no order is received from the alleged unauthorized carrier to switch the customer back to their alleged authorized carrier, the Company will assess two nonrecurring PIC change charges to the alleged unauthorized carrier, one for the initial switch of the subscriber to the alleged unauthorized carrier; the second for the switch from the alleged unauthorized carrier to the alleged authorized carrier as set forth in D., following.

If the alleged unauthorized carrier change was due to a Company error, the subscriber will be returned to the alleged authorized carrier free of charge to both the subscriber and the alleged unauthorized carrier.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION

B. Terms and Conditions (Cont'd)

4. Cancellation of Interexchange Participation for IC Subscription

If an IC elects to discontinue all of its Feature Group D service in an end office prior to the conversion date or after the introduction of Feature Group D in the converting end office, the IC is obligated to do the following:

- Notify the Company of the cancellation of their Feature Group D service, and;
- Contact all end users or PSPs that are presubscribed to the canceling IC as their primary IC. Inform these end users or PSPs of the cancellation and request that the end users or PSPs contact the Company to select a new primary IC.

The Company will bill the canceling IC the service order charge described in C., following, for each end user or PSP that this IC has currently predesignated to them.

Such charge will not apply to the canceling IC where the canceling IC transfers or assigns its Feature Group D services and the associated 101XXXX code to another IC in such a manner that the Company does not change the end users' or PSPs' records or the end users' or PSPs' PIC designation, or if another IC elects to pay the service order charge on behalf of the canceling IC.

C. IC Initiated Conversions for IC Subscription

When an IC requests that their end user or PSP be changed from one access code to another access code on a mass conversion basis, (e.g., an IC using two or more PIC designations or an IC assuming ownership of another IC's end users, etc.,) charges will be as set forth in D., following.

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**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
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12.3 MISCELLANEOUS SERVICES

12.3.3 INTEREXCHANGE CARRIER SUBSCRIPTION (Cont'd)

D. Rates and Charges

| | NONRECURRING CHARGE | (T) |
|--|------------------------|-----|
| 1. The charges for a Manual PIC change are as follows: | | |
| • Per Telephone Exchange Service line or trunk | \$5.50 | (T) |
| • Per Switched Access Lineside connection | 5.50 | |
| • Per Centrex-type line | 5.50 | |
| • Per PAL | 5.50 | (T) |
| 2. The charges for an Electronic PIC change are as follows: | | |
| • Per Telephone Exchange Service line or trunk | 1.25 | (T) |
| • Per Switched Access Lineside connection | 1.25 | |
| • Per Centrex-type line | 1.25 | |
| • Per PAL | 1.25 | (T) |
| 3. The charges for a simultaneous Manual PIC change are as follows[1]: | | |
| • Per Telephone Exchange Service line or trunk | 2.75 | (T) |
| • Per Switched Access Lineside connection | 2.75 | |
| • Per Centrex-type line | 2.75 | |
| • Per PAL | 2.75 | (T) |
| 4. The charges for a simultaneous Electronic PIC change are as follows[1]: | | |
| • Per Telephone Exchange Service line or trunk | 0.62 | (T) |
| • Per Switched Access Lineside connection | 0.62 | |
| • Per Centrex-type line | 0.62 | |
| • Per PAL | 0.62 | (T) |
| 5. The charges for an IC Initiated Conversion are as follows: | | |
| • Per Telephone Exchange Service line or trunk | 0.75 | |
| • Per Switched Access Lineside connection | 0.75 | |
| • Per Centrex-type line | 0.75 | |
| • Per PAL | 0.75 | |

[1] Simultaneous Manual and Electronic PIC Charges will apply in addition to the charges described in 12.3.3.B.1.c., preceding.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES (Cont'd)

12.3.4 TESTING SERVICES

Testing Services offered under this section of the Catalog are optional and subject to rates and charges as set forth in B., following, except for Additional Cooperative Acceptance Testing and Nonscheduled Testing, which are subject to the charges, as set forth for Additional Labor - Other, in 12.2.C.2., preceding. Other testing services provided by the Company in association with Access Services are furnished at no additional charge. These other testing services are described in 6.1.4, preceding.

Testing Services are normally provided by Company personnel at Company locations. However, provisions are made in A., following, for a customer to request Company personnel to perform testing services at the customer's premises.

The offering of Testing Services under this section is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in A. and B., following:

A. Switched Access Service

Testing Services for Switched Access Service are comprised of (a) tests which are performed during the installation of a Switched Access Service, and (b) tests which are performed after acceptance of such access services by a customer, i.e., in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

Scheduled tests are those tests performed by the Company on a regular basis, e.g., monthly, which result in the measurement of Switched Access Service. Scheduled tests may be done on an automatic basis (no Company or customer technicians involved), on a cooperative basis (Company technician(s) involved at Company office(s) and customer technician(s) involved at customer's premises), or a manual basis (Company technician(s) involved at Company office(s) and at customer's premises).

Nonscheduled tests are performed by the Company "on demand", which result in the measurement of Switched Access Services. Nonscheduled tests may involve Company technicians at Company offices and at the customer's premises.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

A. Switched Access Service (Cont'd)

1. Additional Cooperative Acceptance Testing (ACAT)

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

2. Automatic Scheduled Testing (AST)

Automatic Scheduled Testing (AST) of Switched Access Services (Feature Groups B, C and D), where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent, will consist of monthly loss and C-message noise tests and annual balance test. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide a monthly AST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

A. Switched Access Service (Cont'd)

3. Cooperative Scheduled Testing (CST)

Cooperative Scheduled Testing (CST) of Switched Access Services (Feature Groups B, C and D not routed through an access tandem), where the Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance measurements, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, a CST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

4. Manual Scheduled Testing (MST)

Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups B and D not routed through an access tandem), where the Company provides a technician at its office(s) and at the customer's premises, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, an MST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

A. Switched Access Service (Cont'd)

5. Nonscheduled Testing (NST)

Nonscheduled Testing (NST) of Switched Access Services is where:

- The customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent ("automatic testing"), or
- The Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests ("cooperative testing"), or
- The Company provides a technician at its office(s), and/or at the customer's premises with suitable test equipment to perform the required tests ("manual testing").

Nonscheduled Tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.

6. Obligations of the Customer

- a. The customer shall provide the Remote Office Test Line priming data to the Company, as appropriate, to support AST as set forth in 12.3.4, A.2., preceding, or NST as set forth in 12.3.4, A.5., preceding.
- b. The customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES (Cont'd)

B. Rates and Charges

1. Switched Access

a. Additional Cooperative Acceptance Testing (ACAT)

The charges for Additional Cooperative Acceptance Testing are specified in 12.2.C.2., preceding, for Additional Labor - Other Periods

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 AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1. (Cont'd)

b. Automatic Scheduled Testing (AST)

The three tests as set forth following represent the minimum offering i.e., an order for testing must, at a minimum, consist of twelve (12) 1004 Hz Loss Tests per transmission path, twelve (12) C-Message Noise Tests per transmission path and one (1) Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

| | MONTHLY RATE | (T) |
|---|-------------------------|------------|
| (1) To First Point of Switching | | |
| • Basic Tests[1] | | |
| - 1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path | \$0.02 | (T) |
| - C-Message Noise Tests performed within a one year period, per test ordered, per transmission path | 0.02 | (T) |
| - Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path | 0.04 | (T) |

[1] Subject to a one year minimum contract period, and annually thereafter.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.b.(1) (Cont'd)

| | MONTHLY RATE | (T) |
|---|-------------------------|------------|
| • Additional Tests | | |
| - Gain-Slope Tests performed within a one year period, per test ordered, per transmission path | \$0.02 | (T) |
| - C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path | 0.02 | (T) |

EXAMPLE:

A customer schedules thirteen (13) 1004 Hz Loss Tests, thirteen (13) C-Message Noise Tests and two (2) Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{aligned}
 &13 \times \$0.02 = \$0.26 \\
 &+ 13 \times 0.02 = 0.26 \\
 &+ 2 \times 0.04 = \underline{0.08} \\
 &\qquad\qquad\qquad \$0.60 \text{ per month, per trunk}
 \end{aligned}$$

c. Cooperative Scheduled Testing (CST)

The three (3) tests as set forth following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four (4) 1004 Hz Loss Tests per transmission path, four (4) C-Message Noise Tests per transmission path and one (1) Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.c. (Cont'd)

| | MONTHLY RATE | (T) |
|--|-------------------------|------------|
| (1) To First Point of Switching | | |
| • Basic Tests[1] | | |
| - 1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path | \$0.07 | (T) |
| - C-Message Noise Tests performed within a one year period, per test ordered, per transmission path | 0.07 | (T) |
| - Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path | 0.24 | (T) |
| • Additional Tests | | |
| - Gain-Slope Tests performed within a one year period, per test ordered, per transmission path | 0.07 | (T) |
| - C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path | 0.07 | (T) |

[1] Subject to a one year minimum contract period, and annually thereafter.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.c. (Cont'd)

EXAMPLE:

A customer schedules six (6) 1004 Hz Loss Tests, 6 C-Message Noise Tests and four (4) Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{array}{r}
6 \times \$0.07 = \$0.42 \\
+ 6 \times 0.07 = 0.42 \\
+ 4 \times 0.24 = \underline{0.96} \\
\$1.80 \text{ per month, per trunk}
\end{array}$$

d. Manual Scheduled Testing (MST)

The three (3) tests as set forth following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four (4) 1004 Hz Loss Tests per transmission path, four (4) C-Message Noise Tests per transmission path and one (1) Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
 AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.d. (Cont'd)

| | MONTHLY RATE | (T) |
|---|-------------------------|------------|
| (1) To First Point of Switching | | |
| • Basic Tests[1] | | |
| - 1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path | \$0.14 | (T) |
| - C-Message Noise Tests performed within a one year period, per test ordered, per transmission path | 0.14 | (T) |
| - Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path | 0.49 | (T) |
| • Additional Tests | | |
| - Gain-Slope Tests performed within a one year period, per test ordered, per transmission path | 0.12 | (T) |
| - C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path | 0.12 | (T) |

EXAMPLE:

See B.1.c., preceding

[1] Subject to a one year minimum contract period, and annually thereafter.

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**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1. (Cont'd)

e. Nonscheduled Testing (NST)

(1) To First Point of Switching

Automatic Testing:

| | NONRECURRING CHARGE | (T) |
|---|--------------------------------|------------|
| • 1004 Hz Loss, per test performed | \$0.35 | (T) |
| • C-Message Noise, per test performed | 0.35 | |
| • Return Loss (Balance), per test performed | 0.57 | |
| • Gain-Slope, per test performed | 0.35 | |
| • C-Notched Noise, per test performed | 0.35 | (T) |

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.e. (Cont'd)

(2) Cooperative Testing:

The charges for Cooperative Testing are specified in 12.2.C.2., preceding, for Additional Labor - Other Periods.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.4 TESTING SERVICES

B.1.e. (Cont'd)

(3) Manual Testing:

The charges for Manual Testing are specified in 12.2.C.2., preceding, for Additional Labor - Other Periods.

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**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES (Cont'd)

12.3.5 PROVISION OF ACCESS SERVICE BILLING INFORMATION

- A. The customer will receive monthly bills and Customer Service Records (CSRs) in a standard paper format at no charge. At the option of the customer, monthly bills and CSRs may be provided electronically, in lieu of the standard paper format at no charge. (C)
|
(C)
- B. At the option of the customer additional copies of the customer's monthly bill and/or CSR may be provided in standard paper or electronic format for an additional charge. (T)

(D)
|
(D)
- C. Upon acceptance by the Company of an order for electronic transmission, the Company will determine the period of time to implement the transmission of such material on an individual order basis. (T)

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.5 PROVISION OF ACCESS SERVICE BILLING INFORMATION (Cont'd)

- D. The rates and charges for the provision of additional copies of Access Service Billing Information after the initial copy has been provided are as follows: (C)
(C)

RATE

- Electronic Transmission of Billing Detail and/or Information to a Customer's Premises. ICB (T)
(T)
(D)
- Additional Copies of the Customer's Monthly Bill and/or CSR
 - Paper
 - Per request[1] \$19.53 (R)
 - Per page 0.01

(D)

(D)

[1] Applies for each bill and each CSR requested.

(D)

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES (Cont'd)

12.3.8 TANDEM SERVICE PROVIDER BILL DATA ARRANGEMENTS

The Company will provide a bill data arrangement for TSP's requesting the Company to bill FGD terminating usage and nonrecurring charges to the TSP's IC customer.

A. General Terms and Conditions

1. When the customer requests the Company to establish a bill data arrangement for FGD terminating usage and/or nonrecurring charges, the Company will provide the TSP's customer with an Access Service bill and customer service record using standards determined by the Company. The IC customer will be billed for all recurring usage rate elements (e.g., LS and CCL) associated with the terminating usage from the TSP's bill data exchange.
2. The Company, in order to safeguard its interests, will require the TSP and the TSP's customer to comply with the provisions of this document.

B. Terminating Usage Exchange from the TSP to the Company

1. Terminating FGD data from the TSP to the Company shall be exchanged by billing data files or electronic data transfer using standards determined by the Company to be compatible with the Company's bill processing system(s). The bill data received by the Company must be formatted using the Exchange Message Interface (EMI) format as delineated in Technical Reference PUB SR-320. (C)
2. The TSP is responsible for ensuring accurate and complete terminating call detail records by IC carrier identification code are provided to the Company on a daily basis. The TSP will send the bill data sequentially numbered to the Company-designated processing center. The bill data will be processed by the Company in sequential order. The Company will notify the customer when the bill data is not received in sequential order and/or if the bill data can not be processed.

**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR
AND MISCELLANEOUS SERVICES**

12.3 MISCELLANEOUS SERVICES

12.3.8 TANDEM SERVICE PROVIDER BILL DATA ARRANGEMENTS

B. Terminating Usage Exchange from the TSP to the Company (Cont'd)

3. The Company will work cooperatively with the customer to ensure accurate and timely bill data is received within seven calendar days of the call record date. The Company reserves the right to bill the Company-recorded terminating usage directly to the TSP when the TSP is unable to provide accurate and timely billing data to the Company. The Company will bill the Company-recorded terminating usage directly to the TSP for those call record dates not received and/or processed, by end office, on a monthly bill processing basis.

C. Bill Data Arrangement Dispute and Audit Procedures

1. In the event of a terminating FGD usage billing dispute, the TSP's customer must submit a documented claim to the TSP. In the event the TSP needs the Company to assist in the resolution of the billing dispute, the TSP must submit to the Company a documented claim by end office per IC billing account number. The Company will work cooperatively with the TSP to resolve the claim in accordance with 2.4.1, preceding.
2. The TSP must retain call detail records submitted to the Company for fifteen months (15) after submission of the bill data to the Company. The Company reserves the right to audit the bill data information upon written notification to the TSP. If the Company requests to audit the TSP's bill data records, the Company will mutually negotiate the audit procedures and responsible party(ies) for payment of audit expenses with the customer.

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13. RESERVED FOR FUTURE USE

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14. RESERVED FOR FUTURE USE

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.1 GENERAL DESCRIPTION

Common Channel Signaling Access Capability (CCSAC) allows a customer to connect with the Company's SS7 network. CCSAC is used in conjunction with other SS7 based features and services. CCSAC provides the means for transmitting SS7 out of band signaling information via Switched Access CCS Links between the customer's Signaling Point of Interface (SPOI) and the Company's Signal Transfer Point (STP) or Facility Signaling Point of Interconnection (FSPOI). The STP provides translations and routing functions for SS7 signaling messages received from the Company's network signaling points and the SS7 networks of other entities. There are two types of signaling messages. ISDN User Part (ISUP) messages are used for call set-up (establishing and closing transmission paths for voice and data calls over the public switched network). Transaction Capabilities Application Part (TCAP) messages are used to carry information between signaling points for call related database services. CCSAC acts as a platform for the following applications.

The customer's SPOI and the Company's STP or FSPOI wire center must be located within the same LATA.

A. Call Set-Up

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service. Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated FGD trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's switched access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

B. Foreign Database Queries

This service provides the customer the ability to query foreign databases (databases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and the foreign database. CCSAC Service as set forth in this section is required to provide this capability.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.2 SERVICE DESCRIPTION

15.2.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (CCSAC)

CCSAC transmission specifications, diversity requirements and testing parameters are set forth in Technical Reference GR-905-CORE, GR-954-CORE and 77342. Diversity will be provided as mutually agreed upon by the Company and the customer based upon availability from the customer's STP, SP or SSP location to the Company's STP. If applicable, Special Construction terms, conditions and charges will apply. CCSAC interconnection is available only in suitably equipped Company STP locations.

CCSAC network interface specifications between the Company's STP location and the customer's STP location supporting Integrated Services Digital Network (ISDN) signaling are described in Technical Reference GR-905-CORE.

A. CCS Link

CCSAC is provided by a CCS Link. The CCS Link provides digital bidirectional transmission and operates at a DS0-A level (i.e., 56 kbps of CCS7 signaling data and 8 kbps of control/supervisory data). Each DS0-A channel (link) occupies a single DS0 (i.e., 64 kbps) channel of a 24 channel DS1 digital transmission system. The DS0-A channel (link) is multiplexed into a DS1 format for hand off at the customer's SPOI. One STP Port is required for each 56 kbps signaling link utilized for CCSAC at the Company STP. The customer's SPOI and the Company's STP, or FSPOI, wire center must be located within the same LATA. Customer connections at an FSPOI will only provide signaling access for the LATA served by the FSPOI. Customer connections for multiple LATAs, where available, must be made at the Company STP. The STP Port is the POT to the signal switching capability of the STP and is dedicated to the customer. The CCS Link is transported via an Entrance Facility and a Direct Link Transport (DLT) facility as described in 1. and 2., following, and is utilized exclusively for connecting the customer's CCS network and the Company's CCSN for the transmission of network control signaling data only.

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.2 SERVICE DESCRIPTION

15.2.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (CCSAC)

A. CCS Link(Cont'd)

1. Entrance Facility

The Entrance Facility provides the connection from the customer's SPOI to the serving wire center (SWC) of the customer's SPOI on a dedicated DS1 facility ordered as set forth in this section and is utilized exclusively for the transmission of network control signaling data only. The customer may utilize an existing DS1 Entrance Facility previously ordered from this section for additional CCS Links or order a new DS1 Entrance Facility from this section. The customer may also choose to utilize a portion (i.e., DS1) of an existing DS3 facility under the regulations of Shared Use. The DS3 facility can only be ordered from Section 6, preceding, or Section 7, of the Interstate Access Service Tariff, F.C.C. No. 11. Multiplexing arrangements and the associated regulations are set forth in 6.1.2, preceding. When the customer chooses to use a portion of an existing DS3 facility, the customer must allocate, at a minimum, one dedicated DS1 for the provision of the signaling links. Rate applications for Shared Use are set forth in 2.7, preceding.

(T)

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.2 SERVICE DESCRIPTION

15.2.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (CCSAC)

A. CCS Link (Cont'd)

2. Direct Link Transport (DLT)

The DLT provides for the transmission facilities between the SWC of the customer's SPOI and the Company's STP or FSPOI. The customer has the option of ordering a DS1 DLT facility from this section, utilized exclusively for the transmission of network control signaling data only, or a single DS0-A channel (i.e., 64 kbps) of a 24 channel DS1 facility. The customer may utilize an existing DS1 DLT facility previously ordered from this section for additional CCS Links or order a new DS1 DLT or a DS0 DLT facility.

Company hubbing arrangements can be utilized for CCSAC. If the customer has an existing DS3 facility between the SWC of the customer's premises and a Company Hub, ordered and provisioned as set forth in Section 6, preceding, or Section 7, of the Interstate Access Service Tariff, F.C.C. No. 11, the customer may utilize a portion (i.e., DS1) of the existing DS3 facility for the CCS Link(s) under the provisions of the Shared Use regulations as set forth in 2.7, preceding. In addition, the customer must order the DS1 or DS0 DLT from the Company Hub to the Company STP or FSPOI.

(T)

When the customer orders a DS1 DLT facility from the SWC of the customer's SPOI or a Company Hub to a Company STP or FSPOI, the customer must also order a DS1 to DS0 Multiplexer at the Company STP or FSPOI for termination into the STP Port. When the customer orders a DS0 DLT channel, the customer must also order a DS1 to DS0 Multiplexer at the SWC of the customer's SPOI. Multiplexing rates are set forth in 15.8, following.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.3 RATE CATEGORIES

15.3.1 CCSAC RATE CATEGORIES

CCS Link rates and charges are set forth in 15.8, following. Carrier Common Line, as set forth in Section 3, preceding, and Switched Access rates, as set forth in Section 6, preceding, are not applicable.

A. Nonrecurring Charges

Each CCS Link is assessed a nonrecurring charge per link provided on a first and each additional basis, per order.

Any change in CCSAC Service, except a change in jurisdiction, will be treated as a discontinuance of the existing service and an installation of a new service. Minimum period requirements are as set forth in 5.2.5, preceding.

B. Monthly Rates

The Entrance Facility monthly rate is assessed on a per DS1 facility provided when the Entrance Facility is ordered from this section for CCSAC. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in 2.7, preceding.

For each DLT facility provided, DS0 or DS1, a fixed monthly rate, per mile band, and a monthly rate per mile is assessed. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in 2.7, preceding. Mileage measurement is calculated on a airline mile basis, using the V & H coordinates method, between the SWC of the customer's SPOI and the Company's STP or FSPOI. When DLT facilities of different capacities are connected by a multiplexer at a Company Hub, mileage is measured separately from the SWC of the customer's premises to the Company Hub, where multiplexing occurs, and then measured from the Company Hub to the Company STP or FSPOI.

An STP Port is provided for each CCS Link and each STP Port is assessed a monthly rate.

EF and DTT multiplexing equipment is assessed a monthly rate per arrangement provided. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in 2.7, preceding.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.3 RATE CATEGORIES

15.3.1 CCSAC RATE CATEGORIES (Cont'd)

C. Message Charges

Message charges, as set forth in 15.8, following, are assessed based on the type of message protocol, ISUP or TCAP. ISUP messages are associated with call set-up, while TCAP messages are used to query call related databases. ISUP message charges are assessed per call set-up request and TCAP message charges are assessed per data request.

Message charges do not apply for TCAP messages switched by the regional STPs to the Company provided 800 Data Base, LIDB or LNP Data Base. Query charges are assessed in lieu of message charges. Query charges for 800 Data Base are assessed as set forth in 6.8, preceding. When TCAP messages are destined for a foreign database, including a non-company provided LNP Data Base, message charges are assessed in lieu of query charges.

Message charges are assessed in the following manner.

1. Signal Formulation

An ISUP Signal Formulation charge is assessed, per call set-up request, for formulating signaling messages in association with call set-up.

2. Signal Transport

An ISUP Signal Transport charge is assessed, per call set-up request, for signaling messages transported to or from the Company STP in association with call set-up.

A TCAP Signal Transport charge is assessed per data request transported to or from a Company STP and destined for a foreign database.

3. Signal Switching

An ISUP Signal Switching charge is assessed per call set-up request that is switched at the Company STP.

A TCAP Signal Switching charge is assessed for each data request that is switched by the Company STP and destined for a foreign network or database.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.4 REPORT REQUIREMENTS

15.4.1 CCSAC NETWORK MANAGEMENT

The customer shall provide semiannually a CCSAC Network Management Report. The CCSAC Network Management Report requirements are described in Technical Reference 77342. The Company will use the report information in its own effort to further project CCSN facility requirements.

15.5 ORDERING, SERVICE PROVISIONING AND PERFORMANCE REQUIREMENTS

15.5.1 CCSAC ORDERING REQUIREMENTS

When a customer orders CCSAC, the customer must specify the customer STP premises, the number of CCS Links and the service (application) requiring CCSAC connectivity. One STP Port is provided for each link ordered. In addition, the customer must specify, at a minimum, information for the Entrance Facility and the DLT as described following.

The customer must have capacity available on an existing DS1 Entrance Facility (ordered and provisioned from this section) or a DS3 facility (ordered and provisioned from Section 6, preceding or Section 7, of the Interstate Access Service Tariff, F.C.C. No. 11.) between the customer's SPOI and the SWC of the customer's SPOI with a compatible interface or request a DS1 Entrance Facility. If the Entrance Facility is existing, the customer shall provide the Circuit Facility Assignment (CFA) of the existing facilities that will be utilized.

(T)

In addition the customer must specify the type of DLT facility, DS1 or DS0, to be utilized or provided between the SWC of the customer's SPOI and the Company's STP or FSPOI.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.5 ORDERING, SERVICE PROVISIONING AND PERFORMANCE REQUIREMENTS

15.5.1 CCSAC ORDERING REQUIREMENTS (Cont'd)

The Company will allow Company provided hubbing arrangements in association with CCSAC. If the customer has an existing DS3 facility (ordered and provisioned from Section 6, preceding, or Section 7, of the Interstate Access Service Tariff, F.C.C. No. 11.) to a Company Hub, the customer may use a portion of the DS3 facility (i.e., DS1) for the CCS Link(s) from the SWC of the customer's SPOI to the Company Hub and then order the DS1 or DS0 DLT from the Company Hub to the Company's STP or FSPOI. If the customer requests a DS1 DLT, multiplexing equipment must be ordered at the Company's STP or FSPOI. CCSAC orders are subject to the provisions (e.g., access order intervals, modification charges, cancellation charges and minimum periods) specified in Section 5, preceding.

(T)

When a customer orders CCSAC in association with other services (e.g., FGD with SS7 Out of Band Signaling for call set-up), separate orders shall be issued.

15.5.2 CCSAC SERVICE PROVISIONING

CCSAC transmission specifications, diversity requirements, testing parameters and design requirements for STP Links (i.e., CCS Signaling Links) are set forth in Technical References GR-905-CORE, GR-954-CORE and 77342. CCSAC network interface specifications between the Company STP location and the customer's STP location supporting Integrated Services Digital Network (ISDN) signaling are described in Technical Reference GR-905-CORE.

CCSAC is provided from either the customer's Signaling Point (SP) which requires a minimum of two STP Links and two STP Ports or from the customer's STP which requires a minimum of four STP Links and four STP Ports. A group of signaling links that connect the same two signaling points is described as a link set. There are a maximum of 16 signaling links located within one link set. The quantity of CCS Links required is based upon diversity requirements. Diversity is provided as mutually agreed upon by the Company and the customer based upon the availability of facilities from the customer's SPOI location to the Company's STP or FSPOI. Customer connections at an FSPOI will only provide two diverse routes to the Company STP. If applicable, Special Construction regulations and charges apply. CCSAC interconnection is available only in suitably equipped Company STP locations.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.5 ORDERING, SERVICE PROVISIONING AND PERFORMANCE REQUIREMENTS (Cont'd)

15.5.3 CCSAC PERFORMANCE REQUIREMENTS

The Company supports the performance standards for CCSN as defined in Technical References GR-905-CORE and 77342. The overall end-to-end CCSN network objective from any SP to any other SP is less than ten minutes unavailable access per year based on design and diversity requirements and the performance objective for any single SP, including a Service Control Point (SCP), is less than three minutes unavailable access per year. The combined link set from the SCP to the Signal Transfer Point (STP) has a performance objective of less than two minutes unavailable access per year.

The Company will administer its CCSN network to ensure acceptable service provision levels. The Company maintains the right to apply protective controls to its CCSN as a result of occurrences such as failure or overload of CCSN facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of CCSAC Service by the customer, the customer will be entitled to a credit allowance for Switched Access Service interruptions as set forth in 2.4.5, preceding.

When the customer or the Company, pursuant to an order for service, arranges to establish a route to a signaling point, such route will be used by all messages delivered to the Company's signaling network.

15.6 TESTING REQUIREMENTS

15.6.1 CCSAC ACCEPTANCE TESTING REQUIREMENTS

At no additional charge, the Company will cooperatively test with the customer, at the time of installation, network compatibility and other operational tests for CCSAC as described in Technical Reference 77342 and GR-905-CORE.

When Clear Channel Capability on FGD Service is ordered as described in 6.3.1, preceding, the Company will cooperatively test with the customer, at the time of installation, CCSAC network compatibility and other operational tests for ISDN interworking as described in Technical Reference GR-905-CORE, at no additional charge.

Successful completion and acceptance of all testing requirements must occur in order to receive CCSAC Service.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.6 TESTING REQUIREMENTS (Cont'd)

15.6.2 CCSAC ADDITIONAL COOPERATIVE ACCEPTANCE TESTING REQUIREMENTS

Additional Cooperative Acceptance Testing will be performed on a cooperative basis with the customer. Additional Cooperative Acceptance tests for CCSAC are described in Technical References 77342 and GR-905-CORE.

Rates and charges for Additional Cooperative Acceptance Testing are described in Section 12, preceding.

15.7 CCSAC SERVICE APPLICATIONS

15.7.1 CALL SET-UP

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service.

Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated FGD trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's Switched Access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

15.7.2 FOREIGN DATABASE QUERIES

This service provides the customer the ability to query foreign databases (databases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and foreign databases (those not owned by the Company). CCSAC Service as set forth in this section is required to provide this capability.

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.8 RATES AND CHARGES

A. Common Channel Signaling Access Capability

| | MONTHLY RATE | | |
|--------------------------|---------------------|-----------------|-----|
| | FIXED | PER MILE | |
| 1. Entrance Facility | | | (T) |
| • Per DS1 | | \$ 125.00 | (T) |
| • Per DS3[1] | | 1,350.00 | (T) |
| 2. Direct Link Transport | | | |
| | MONTHLY RATE | | |
| | FIXED | PER MILE | |
| MILEAGE BANDS | | | (T) |
| a. DS0 Facility | | | |
| 0 | - | - | (T) |
| Over 0 to 8 | \$ 26.00 | \$ 0.17 | |
| Over 8 to 25 | 26.00 | 0.17 | |
| Over 25 to 50 | 26.00 | 0.17 | |
| Over 50 | 26.00 | 0.22 | (T) |
| b. DS1 Facility | | | |
| 0 | - | - | (T) |
| Over 0 to 8 | 86.50 | 13.55 | |
| Over 8 to 25 | 111.21 | 14.38 | |
| Over 25 to 50 | 116.35 | 14.51 | |
| Over 50 | 130.00 | 15.05 | (T) |
| c. DS3 Facility[1] | | | |
| 0 | - | - | (T) |
| Over 0 to 8 | 724.84 | 78.90 | |
| Over 8 to 25 | 724.84 | 78.90 | |
| Over 25 to 50 | 724.84 | 80.73 | |
| Over 50 | 815.44 | 91.74 | (T) |

[1] For Shared Use only as set forth in 2.7, preceding.

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.8 RATES AND CHARGES

A. Common Channel Signaling Access Capability (Cont'd)

| | NONRECURRING CHARGE | MONTHLY RATE | (T) |
|-----------------------|--------------------------------|-------------------------|-----|
| 3. CCS Link | | | |
| • First CCS Link | \$567.00 | - | (T) |
| • Each additional | 180.00 | - | (T) |
| 4. STP PORT, per port | - | \$465.00 | (T) |
| 5. Multiplexing | | | |
| • DS1 to Voice | - | 218.40 | (T) |
| • DS3 to DS1[1] | - | 255.00 | (T) |

B. Message Charge

| | INTRASTATE RATE | OTHER RATE | |
|-------------------------------------|----------------------------|-----------------------|--|
| 1. Signal Formulation | | | |
| • ISUP, Per call set-up request | | | |
| - Originating | \$0.000829 | - | |
| - Terminating | 0.000000 | - | |
| 2. Signal Transport | | | |
| • ISUP, Per call set-up request | | | |
| - Originating | 0.000559 | - | |
| - Terminating | 0.000000 | - | |
| • TCAP, Per data request | 0.000418 | - | |
| 3. Signal Switching | | | |
| • Per ISUP, Per call set-up request | | | |
| - Originating | 0.001162 | - | |
| - Terminating | 0.000000 | - | |
| • Per TCAP, Per data request | 0.000460 | - | |

[1] For Shared Use only as set forth in 2.7, preceding.

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21. EXPANDED INTERCONNECTION (EI) SERVICE

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21. EXPANDED INTERCONNECTION (EI) SERVICE

21.1 GENERAL

Expanded Interconnection (EI) Service provides for wire center interconnection of Company-provided Switched Access DS1 or DS3 capacity services to interconnector-provided or designated transmission equipment as described in the Company's Interstate Access Service Tariff F.C.C. No. 11.

(T)

EI may be accomplished through a virtual interconnection arrangement. The Company is solely responsible for the determination of whether a virtual interconnection arrangement is available from its wire center. Each wire center where Virtual EI Service is available is identified in the National Exchange Carrier Association Inc., Tariff F.C.C. No. 4.

EI Service is provided pursuant to terms, conditions, rates and charges contained in this Catalog and in accordance with Qwest Corporation Technical Reference 77386.

21. EXPANDED INTERCONNECTION (EI) SERVICE

21.1 GENERAL (Cont'd)

EI Service will be provided utilizing a Switched Access Service Expanded Interconnection Channel Termination (EICT) DS1 or EICT DS3. EICT DS1 or EICT DS3 may be ordered for connection with Switched Access DS1 or DS3 capacity services as set forth in Section 6, preceding. Multiplexing arrangements for Switched Access EICT may be ordered from Section 6, preceding, by the EICT customer. The Company will provide interconnection at a 1.544 Mbps or a 44.736 Mbps transmission rate.

When an EICT DS1 or EICT DS3 connects to Switched Access Service, the Switched Transport Entrance Facility is not required. In addition, when a multiplexing arrangement is requested as described in 6.1.2, preceding, the multiplexing arrangement must be ordered by and billed to the EICT customer.

The regulations described herein are in addition to the terms and conditions elsewhere in this document.

Virtual EICT DS1 or EICT DS3 can only be ordered by and billed to the customer of record of the fiber optic cable at the Company-designated point of interconnection serving the wire center.

The Company will work cooperatively with the interconnector in matters of joint testing and maintenance as set forth in Section 12, preceding.

21. EXPANDED INTERCONNECTION (EI) SERVICE

21.2 SERVICE DESCRIPTION

21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATION

A. Virtual EICT DS1

A Virtual EICT DS1 is a high capacity channel for the transmission of 1.544 Mbps isochronous serial data having a line code of bipolar with alternate mark inversion or Bipolar with Eight Zero Substitution (B8ZS). The 1.544 Mbps signal consists of 1.536 Mbps of customer information and .008 Mbps signal for other use, (e.g., framing and synchronization).

Switched Access Service Virtual EICT DS1 is provided between Company-owned, interconnector-designated terminating equipment and a Company Switched Access DS1 capacity service ordered from Section 6, preceding. Multiplexing arrangements for Switched Access EICT may be ordered from Section 6, preceding, by the EICT customer.

B. Virtual EICT DS3

A Virtual EICT DS3 is a high capacity channel for the transmission of 44.736 Mbps isochronous serial data having a line code of Bipolar with Three Zero Substitution (B3ZS).

Switched Access Service Physical EICT DS3 is provided between an interconnector's leased physical space and a Company Switched Access DS3 capacity service ordered from Section 6, preceding. Multiplexing arrangements for Switched Access EICT may be ordered from Section 6, preceding, by the EICT customer.

21. EXPANDED INTERCONNECTION (EI) SERVICE

21.3 RATE TERMS AND CONDITIONS

This section contains specific regulations governing the rates and charges that apply for EI Service. Company services purchased by the interconnector for interconnection with EI Service are subject to appropriate nonrecurring charges, monthly rates and other applicable rates and charges as set forth in Section 6, preceding.

21.3.1 TYPES OF RATES AND CHARGES

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that an EI Service is provided. For billing purposes, each month is considered to have thirty (30) days.

The Virtual EI Channel Termination (EICT) rate element provides for the communications path between the interconnector-designated equipment and Company Switched Transport DS1 or DS3 capacity service within the same wire center. Included as part of the EICT is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the Switched Access Service is to be connected and the type of signaling capability, if any.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for EI Service include: installation of EICT DS1 or DS3 Channel Terminations.

Nonrecurring charges applicable to each EICT DS1 or EICT DS3 channel termination installed are set forth in 21.4, following.

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21. EXPANDED INTERCONNECTION (EI) SERVICE

21.4 RATES AND CHARGES

21.4.1 SWITCHED ACCESS SERVICE VIRTUAL EI

| | NONRECURRING CHARGE | MONTHLY RATE | (T) |
|--|--------------------------------|-------------------------|------------|
| Virtual EI Channel Termination, per termination | | | |
| • DS1 Switched Transport | \$366.88 | \$14.93 | (T) |
| • DS3 Switched Transport | 392.02 | 42.97 | (T) |

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