

Issued: 9-29-16

Effective: 11-1-16

**TERMS, CONDITIONS, RATES AND CHARGES**

Applying to the provision of intrastate

**ADVANCED COMMUNICATIONS SERVICES**

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

**ARIZONA**  
(Company Code 5101)

as provided herein

**ADOPTION NOTICE**

Effective April 4, 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 Arizona Corporation Commission, State of Arizona, 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.

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Wholesale (Interexchange Carrier, Local Exchange Carrier and Commercial Mobile Radio Service Provider) term agreements for Advanced Communications Services will be extended by 12 months beyond the expiration date of the then existing term, or until May 31, 2013, whichever is later, unless the wholesale customer opts out of this extension.

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**PREFACE**  
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The products and services included in this Competitive Advanced Communications Services Tariff No. 5 are subject to the determinations and conditions set forth in the Settlement Agreement approved on August 21, 2012 by order of the Arizona Corporation Commission under Decision No. 73354.

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## **1. APPLICATION AND REFERENCE**

### **1.1 APPLICATION OF THIS DOCUMENT**

This Tariff contains terms and conditions, rates and charges applicable to Advanced Communications Services, also known as !NTERPRISE Networking Services provided by Qwest Corporation d/b/a CenturyLink QC, hereinafter referred to as the Company, to customers. 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 Tariff.

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### **1.4 DOCUMENT FORMAT**

#### **1.4.1 LOCATION OF MATERIAL**

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

Obsolete service offerings are identified in this document by adding 100 to the current section number, i.e., obsolete items from Section 5, Frame Relay Service, would be found in Section 105, Obsolete Frame Relay Service. This section is then filed behind Section 5.

#### **1.4.2 OUTLINE STRUCTURE**

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

<b>LEVEL</b>	<b>APPLICATION</b>	<b>EXAMPLE</b>
1	Section Heading	<b>5. FRAME RELAY SERVICE</b>
2	Sub Heading	<b>5.1 DESCRIPTION</b>
3	Sub Heading	<b>5.1.1 GENERAL</b>
4	Sub Heading/Text	A. Description
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

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#### **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**

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**1.5 EXPLANATION OF CHANGE SYMBOLS**

<b>SYMBOL</b>	<b>EXPLANATION</b>
(C)	To signify changed term or condition
(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, term or condition

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### **1.6 EXPLANATION OF ABBREVIATIONS**

ACS	- Advanced Communications Services
ANSI	- American National Standards Institute
ATM	- Asynchronous Transfer Mode
BC	- Business Class
bps	- Bits per second
BWP	- Bandwidth Profile
CCITT	- The International Telegraph and Telephone Consultative Committee
CIR	- Committed Information Rate
CNM	- Customer Network Management
COCC	- Central Office Connecting Channel
CoS	- Class of Service
DE	- Discard Eligibility
DSL	- Digital Subscriber Line
ENNI	- External Network-to-Network Interface
EVC	- Ethernet Virtual Connection
EwET	- Ethernet with Extended Transport
F.C.C.	- Federal Communications Commission
FDDI	- Fiber Distributed Data Interface
FRS	- Frame Relay Service
GD	- Guaranteed Data
IEEE	- Institute of Electrical and Electronic Engineers
kbps	- Kilobits per second
LAN	- Local Area Network
LATA	- Local Access and Transport Area
LSS	- LAN Switching Service

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### **1.6 EXPLANATION OF ABBREVIATIONS**

MAN	- Metropolitan Area Network
Mbps	- Megabits per second
MBS	- Maximum Burst Size
MEF	- Metro Ethernet Forum
MEN	- Metro Ethernet Network
MOE	- Metro Optical Ethernet
NI	- Network Interface
NNI	- Network-To-Network Interface
NNIT	- Network-To-Network Information Transfer
No.	- Number
OAL	- Optical Access Link
OSI	- Open Systems Interconnection
OVC	- Operator Virtual Connection
PCRS	- Peak Cell Rate Service
PVC	- Permanent Virtual Connection
QoS	- Quality of Service
SAOAL	- Stand-Alone Optical Access Link
SCRS	- Sustained Cell Rate Service
SIR	- Sustained Information Rate
SNMP	- Simple Network Management Protocol
RT	- Real Time
TDM	- Time Division Multiplexing
TU-R	- Termination Unit - Remote
UBRS	- Unspecified Bit Rate Service
UNI	- User-To-Network Interface
UNIT	- User-To-Network Information Transfer
VCC	- Virtual Channel Connection
VPC	- Virtual Path Connection

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## **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 Tariff 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 this Tariff. 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.

CENTURYLINK  
CENTURYLINK<sup>TM</sup>  
CENTURYLINK<sup>SM</sup>

Additional marks are identified in the text throughout this document in all caps and italics, unless trademarked as all lower case letters. Service names which are preceded by *QWEST*<sup>®</sup> or "*Qwest*," and services which include "*Qwest*" as part of the service marked or trademarked product name, may also be marketed and/or billed under the trade or brand name *CenturyLink*, or may be marketed and/or billed without any trade or brand name. A mark identified in the text of this document is in all caps and italics:

#### **MARK**

**!NTERPRISE<sup>SM</sup> Network Services**

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### 1.8 REFERENCE TO OTHER TARIFFS

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

### 1.9 REFERENCE TO TECHNICAL PUBLICATIONS

- A. All service installed after the original effective date of this document must conform to the transmission specification standards contained in this document or in the following technical references and associated addenda for each category of service.
- B. The following Qwest Corporation Technical publications are referenced in this Tariff and may be viewed at <http://www.qwest.com/techpub>.

TITLE	PUBLICATION NUMBER
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Metro Optical Ethernet (MOE), Issue H  
Issued: February, 2007

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**1.9 REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)**

- C. The following publications are referenced in this document and may be obtained from the American National Standards Institute, Inc. (ANSI), Customer Services, 11 W. 42nd Street, New York, NY 10036:

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
ISDN - Data Link Layer Signaling Specification for Application at the User-Network Interface Issued: 1989	T1.602-1989

ISDN - Digital Subscriber Signaling System No. 1 (DSS1) Signaling Specification for Frame Relay Bearer Service Issued: 1991	T1.617-1991
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ISDN - Core Aspects of Frame Protocol for use with Frame Relay Bearer Service Issued: 1991	T1.618-1991
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- D. The following technical publication is referenced in this document and may be obtained from NetSpeed, Inc., c/o Patricia Stewart, 12303 Technology Blvd., Austin, Texas 78727:

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
Carrierless AM/PM Rate Adaptive Digital Subscriber Line, Carrier Interface Specifications Issued: December, 1997	6000-006-01

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**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY**

#### **2.1.1 SCOPE**

- A. The Company provides Advanced Communications Services to meet customer communication needs between specified locations. Services are furnished 7 days per week, 24 hours per day for a minimum billing period of one month or as defined in 2.4.3, following.
- B. The Company shall be responsible only for the installation, operation and maintenance of the services which it provides under this document, as defined in 2.1.4 and 2.1.5, following.
- C. The Company does not warrant that its facilities and services meet standards other than those set forth in this document and the associated technical publications listed in this document under Reference to Technical Publications.
- D. The Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear trouble.

#### **2.1.2 LIMITATIONS**

- A. The installation and restoration of services shall be subject to the terms and conditions set forth in Section 12 of the Access Service Tariff, concerning the Telecommunications Service Priority (TSP) System.
- B. Subject to compliance with the conditions mentioned in A. preceding, where a shortage of facilities exists at any time, either for temporary or protracted periods, the services offered herein will be provided to customers on a first come, first served basis.
- C. The furnishing of service under this document will require certain physical arrangements of the facilities of the Company and is subject to the availability of such facilities.

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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

#### **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 and subject to the provisions of B. through G., following, the Company's liability, 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 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, as set forth in 2.4.4, following.
- B. The Company shall be indemnified, defended and held harmless by the customer against any claim, loss, or damage arising from use of services offered under this document involving:
  - 1. Claims for libel, slander, invasion of privacy and infringement of copyright arising from the material transmitted over the facilities or the customer's own communications;
  - 2. Claims for infringement of patents arising from combining with, or using in connection with, facilities furnished by the Company, facilities or equipment furnished by the customer;
  - 3. All other claims arising out of any act or omission of the customer in connection with the facilities provided by the Company.
- C. The Company shall not be liable for any act or omission of any customer providing a portion of a service, nor shall the Company for its own act or omission hold liable any customer providing a portion of a service.
- D. 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.

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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY**

#### **2.1.3 LIABILITY (Cont'd)**

- E. The Company is not liable for any defacement of or damage to the premises of a customer resulting from the furnishing of any facilities by the Company on the premises or by the installation or removal when defacement or damage is not the result of negligence of the agents or employees of the Company.
- 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 a Service Interruption as set forth in 2.4.4, following.

#### **2.1.4 INSTALLATION AND TERMINATION OF SERVICES**

The services provided under this document will include any Company facilities to that point where provision is made for termination of the Company's network facilities at a suitable location at a customer designated premises. Any customer requested work on the customer side of the network interface will be furnished on a time and material basis.

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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

#### **2.1.5 PROVISION OF SERVICES**

- A. The services in this document provided to the network interface shall be maintained by the Company. The customer may not rearrange, disconnect, remove or attempt to repair or permit others to rearrange, disconnect, remove or attempt to repair any facilities installed by the Company to the network interface, except upon the written consent of the Company.
- B. Facilities on the premises of a customer furnished by the Company to the network interface are the property of the Company, whose agents and employees shall have the right to enter said premises at any reasonable hour for the purpose of installing, inspecting or repairing the facilities, or, upon termination of the service, for the purpose of removing Company facilities.
- C. The access component of a customer's Advanced Communications Service first enters the ACS Network at a service point.
  - The Company designates the location of the service point for each customer according to the type of Advanced Communications Services involved.
  - Service points will generally be where ACS Network equipment for a given service is either located or planned to be located.
  - Different Advanced Communications Services may either have the same or different service points, according to local circumstances.
- D. When, as determined by the Company, it becomes necessary to establish a new service point which results in a change in the location of a service point for an Advanced Communications Service, the service will be rerated and redesigned to the new service point.

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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

#### **2.1.6 CHANGES AND SUBSTITUTIONS**

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, 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 performance characteristics will be within the range as set forth in this document. 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.

#### **2.1.7 REFUSAL AND DISCONTINUANCE OF SERVICE**

- A. The Company, by written notice to the customer, may immediately discontinue the furnishing of Advanced Communications Services or may refuse additional applications for service and/or refuse to complete any pending orders for service without incurring any liability, upon:
- Nonpayment of any sum due the Company, or
  - A violation of any condition governing the furnishing of service.
- B. In case of such a discontinuance, all applicable charges, including discontinuance charges, shall become due.
- C. In case of a refusal of a pending order for service, estimated costs incurred by the Company, as set forth in 3.1.2, shall apply and become due immediately.

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## **2. GENERAL REGULATIONS**

### **2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

#### **2.1.8 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 system change-out. Generally, such activities are not individual customer service specific; they affect many customer services. No specific advance notification period is applicable to such service activities. The Company will work cooperatively with the customer to determine the reasonable notification requirements.

#### **2.1.9 PROVISION AND OWNERSHIP OF NUMBER DESIGNATIONS**

The Company reserves the right to assign, designate or change number designations associated with Advanced Communications Services, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Company will notify the customer of the effective date and provide an explanation of the reason(s) for such change(s).

#### **2.1.10 SPECIAL TAXES, FEES AND CHARGES**

Insofar as practicable, any sales, use, privilege, excise, franchise or occupation tax, costs of furnishing service without charge or similar taxes or impositions now or hereafter levied by the Federal, State, or Local government or any political subdivision or taxing authority thereof may be billed by the Company to its customers on a pro rata basis in the areas wherein such taxes, impositions or other charges shall be levied against the Company.

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## **2. GENERAL REGULATIONS**

### **2.2 USE**

#### **2.2.1 INTERFERENCE OR IMPAIRMENT**

- A. The characteristics and methods of operation of any services, 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. 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 temporarily discontinue forthwith 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 2.4.4, following, is not applicable.

#### **2.2.2 UNLAWFUL USE**

Advanced Communications Services shall not be used for any unlawful purpose.

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## **2. GENERAL REGULATIONS**

### **2.3 OBLIGATIONS OF THE CUSTOMER**

#### **2.3.1 ORDERING, PAYMENT AND COMPLIANCE WITH REGULATIONS**

The customer shall be responsible for placing all orders for service, payment of all charges offered herein and compliance with Company regulations.

#### **2.3.2 DAMAGES**

The customer shall reimburse the Company for damages to Company facilities 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.

#### **2.3.3 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 a condition as reasonable wear will permit.

#### **2.3.4 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 network interface for 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 the premises at any reasonable hour for installing, testing, repairing or removing the facilities of the Company.

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## **2. GENERAL REGULATIONS**

### **2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

#### **2.3.5 HAZARDOUS AND EXPLOSIVE ENVIRONMENTS**

The customer shall be responsible for the provision, installation and maintenance of sealed conduit with explosive-proof fittings between facilities furnished by the Company in an explosive atmosphere and points outside the hazardous area where connection may be made with regular facilities of the Company. The customer may also be required to install and maintain Company facilities within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company. The applicable standards are found in National Electric Safety Code articles 500 - 503.

#### **2.3.6 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 adjustment.

#### **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.

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## **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, including, without limitation, Worker's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and 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; provided, 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 communications services.

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## **2. GENERAL REGULATIONS**

### **2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

#### **2.3.10 TRANSFER OF SERVICE**

- A. Where there is no interruption of use or relocation of services, the customer may assign or transfer the use of services provided under this document. 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 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.
- 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.

#### **2.3.11 CUSTOMER-PROVIDED EQUIPMENT AND CUSTOMER SERVICES**

Subject to the provisions of 2.1.6, preceding, and compliance with the standards set forth in this document under Reference to Technical Publications, the customer shall be solely responsible, at its own expense, for customer-provided equipment and services. The customer shall be solely responsible for the overall design of its services and for any redesigning or rearrangement of its equipment or services which may be required because of changes in Company services, operations or procedures, or changes in the minimum protection criteria or operating or maintenance characteristics of the customer's equipment or services. The Company will provide reasonable notification to the customer of any Company-initiated change that may require a change in customer-provided equipment and services.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.1 TYPES OF RATES AND CHARGES**

##### **A. Monthly Rates**

Monthly rates are recurring rates that apply each month or fraction thereof that Advanced Communications Services are provided. For billing purposes, each month is considered to have 30 days.

When the minimum billing period, as set forth in 2.4.3, has been met, charges for a fraction of a month will be the monthly rate, prorated for the actual number of days service is furnished.

##### **B. Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activities.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

#### **2.4.2 PAYMENT OF RATES, CHARGES AND DEPOSITS**

##### **A. Deposits**

1. The Company may, in order to safeguard its interests, require an applicant or existing customer to make a suitable deposit to be held by the Company as a guarantee of the payment of charges.
2. A deposit may be required under the following conditions:
  - a. Applicant has had no previous, Company-provided service; or
  - b. Applicant does not have verifiable credit with any Qwest Corporation Company anywhere within the region in the same or similar business; or
  - c. Applicant has had previous verifiable service with any Qwest Corporation Company anywhere within the region, but has an outstanding and unpaid bill for service or has not established satisfactory credit. Satisfactory credit is defined as twelve consecutive months of service without a suspension of service for nonpayment or with no more than one notification of intent to suspend service for nonpayment.
  - d. An initial deposit or an additional deposit will be required of an existing customer when high risk is indicated and existing security is insufficient. Such requirement will be imposed when payment history includes a suspension of service for nonpayment, or includes more than one notification of intention to suspend service for nonpayment during the previous twelve month period.
3. An applicant for service will be given credit for previous nonresidential service only if the applicant is the same business entity to which such service was previously accorded.
4. The Company reserves the right to provide for installment payment of the deposit if the circumstances warrant.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.2 PAYMENT OF RATES, CHARGES AND DEPOSITS**

##### **A. Deposits (Cont'd)**

5. An existing customer who is required to pay a deposit shall be notified in writing. The deposit shall be due and payable within ten days after the requirement is imposed. If said deposit or installment thereof, as appropriate, is not paid within the aforementioned time frame, the Company may suspend service of the customer without further notice. The following are exceptions to this provision:
  - a. In the event service is suspended for a customer for nonpayment, an initial or additional deposit shall be required prior to the restoration of service if existing security is insufficient.
  - b. In the event prior indebtedness or prior unsatisfactory credit has been determined subsequent to the initial establishment of service due to misrepresentation of the facts by the customer, a deposit shall be due and payable within five days upon verbal notification and written confirmation, or within ten days when notification can only be provided in writing. The ten day period shall be measured from the mailed date of the written notice. If said deposit is not paid within the aforementioned time frame, the Company may suspend service to the customer without further notice.
6. The amount of the deposit may not exceed the actual or the estimated charges for the service which will accrue for a two-month period. All applicants and existing customers shall be treated uniformly for the determination and application of deposits.
7. When it is determined that a deposit is required under the conditions specified above, the applicant or customer may, in lieu of or in addition to making the deposit, arrange for an acceptable third party to guarantee payment of his charges by executing on his behalf a Guarantee of Payment Agreement with the Company. An acceptable third party guarantor for service is a current nonresidential customer with at least two years' continuous service, whose payment history for the most recent twelve month period is satisfactory.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.2 PAYMENT OF RATES, CHARGES AND DEPOSITS**

##### **A. Deposits (Cont'd)**

8. The fact that a deposit has been made in no way relieves the customer from complying with the Company's regulations as to advance payments as set forth in B., following, or the prompt payment of bills on presentation.
9. The deposit will bear simple interest computed from the date of its receipt by the Company to the date the deposit is refunded or service is terminated, or annually, upon request of the customer. In the event that a deposit is retained during time periods having different rates of interest, the interest accrued on the deposit will be calculated using the interest rate applicable to each time period.
10. The rate of interest paid is as specified in Section 2 of the Competitive Exchange and Network Services Tariff.
11. When the service is terminated, the amount of the initial or additional deposit, with any interest due, will be credited to the customer's account and any credit balance which may remain will be refunded. After an existing customer has established satisfactory credit, the amount of the deposit, with any interest due, will be either credited to the account or, at the option of the customer, refunded. Satisfactory credit for a customer is defined as twelve consecutive months of service without a suspension for nonpayment and with no more than one notification of intent to suspend service for nonpayment.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.2 PAYMENT OF RATES, CHARGES AND DEPOSITS (Cont'd)**

##### **B. Advance Payments**

1. In accordance with the Company's practice of requiring that all regularly recurring rates for services, equipment, and facilities 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 and installation charges applicable, together with at least one month's charges for the services, equipment, and facilities 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, equipment, and facilities furnished, and for nonrecurring charges.
- C. The customer is responsible for payment of all charges for facilities and services furnished in accordance with the Company's regular billing and collection practices, as contained in this document.
- D. All charges for service, equipment, and facilities are payable monthly, in advance, except for charges associated with any usage elements and for the Federal Government.
- E. When new service is installed or added, or changes made to existing service, which involve a change in rates, the new rates will become effective on the day the service is installed, added or changed.
- F. The customer bill is due upon receipt. Customers may pay bills for Company services by U.S. Mail, with check or money order, or by wire transfer.
- G. In order to avoid collection procedures which could result in a temporary disconnection of service, payment must be received no later than the due and payable date shown on the customer's bill.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.2 PAYMENT OF RATES, CHARGES AND DEPOSITS (Cont'd)**

H. Payments received by the Company on or before the due and payable date on the customer's bill will prevent collection procedures, provided the following billing information is remitted with payment:

- Customer's name
- Customer's telephone/billing number
- Customer's account code
- Customer's account type
- Amount of payment

I. Late Payment Charge

A late payment charge, as set forth in Section 2 of the Competitive Exchange and Network Services Tariff, applies to all billed balances which are not paid by the billing date shown on the next bill, unless the balance is \$15.00 or less.

J. Installment Billing

With approval of the Company, arrangements may be made for the payment of nonrecurring charges in monthly installments spread over a reasonable period, generally not to exceed one year. All unpaid amounts become due upon termination of service.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

#### **2.4.3 MINIMUM PERIODS**

- A. When service is provided on a month-to-month basis, the minimum period for which rates and charges are applicable is one month.

When a service is discontinued prior to the expiration of the one month minimum period, a one month charge will apply at the rates in effect at the time service is discontinued.

- B. When a service is provided under a fixed-period service pricing plan, as set forth in 2.4.5, the minimum period is twelve months for Metro Optical Ethernet (MOE).
- C. When a service provided under a fixed-period service pricing plan is discontinued prior to the completion of the minimum period, a discontinuance charge will apply, as set forth in 3.4.

(C)

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

#### **2.4.4 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS**

##### **A. General**

A service is interrupted when it becomes unusable to the customer because of a failure of facilities used to furnish service under this document. An interruption period starts when an inoperative service is found by the Company or reported to the Company and ends when the service is operative.

##### **B. When a Credit Allowance Applies**

1. In case of an interruption to an Advanced Communications Service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:
  - a. For each service interruption of one hour or subsequent fraction thereof that the interruption continues, the customer shall be credited at the rate of 1/30 (1 day) of the monthly charges for the interrupted service or the affected portion thereof.
  - b. MOE Exception: When Protect Routing is purchased by the customer then the following applies:
    - The service guarantee will be for a 99.99 circuit availability over a 30 day period which equates to 4 minutes 20 seconds of downtime.
    - No credit shall be allowed for an interruption of less than 4 minutes 20 seconds, multiple outages of each less than 4 minutes 20 seconds will not be added together.
    - A credit of 1/30 of the monthly recurring charge (MRC) will be paid out for any outage occurrence that exceeds 4 minutes 20 seconds. Credit shall be limited to one credit for each 24 hour period in which an outage(s) occur. Credit will be comprised of all affected MRC elements.
    - The Maximum amount of credit provided in a given month will not exceed the total MRC for the affected service.
2. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate for the service interrupted in any one monthly billing period. For the purpose of determining the allowance, every month is considered to have 30 days.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.4 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS**

##### **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 3.6. 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.

##### **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 appropriate 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 in any one monthly billing period exceed the monthly rate for the service surrendered.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

#### **2.4.5 VARIABLE TERM PRICING PLANS**

Advanced Communications Services may be ordered on a month-to-month basis or for fixed periods of one, two, three, four, five, six or seven years, unless otherwise specified.

The initial order for Metro Optical Ethernet (MOE) must be for one of the fixed service periods; however, at the completion of the initial fixed period, the customer may elect the month-to-month option or any of the fixed service periods.

##### **A. Fixed-Period Service Pricing Plans**

Fixed-period service pricing plans allow the customer to order service with the assurance that during the period of the service pricing plan monthly rates for the purchased service will not exceed the levels in effect at the time the service is ordered, except as may be ordered by the Arizona Corporation Commission.

The customer must specify the length of the fixed-period service at the time the service is ordered.

At the end of the fixed-service period, the customer may establish a new fixed-period service pricing plan, convert to month-to-month service or may terminate service. The monthly rates will be those rates in effect at the time the new service period begins. Should the customer not make a choice by the end of a fixed-service pricing plan, service rates will automatically revert to those in effect for the month-to-month option. If service is continued under any of the pricing plans, including non-stabilized month-to-month, nonrecurring charges will not apply.

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.5 VARIABLE TERM PRICING PLANS**

##### **A. Fixed-Period Service Pricing Plans (Cont'd)**

If a decrease in a monthly rate occurs during a customer's fixed-service period, the reduced rates will automatically be applied to the remaining term of the service pricing plan in effect at that time.

Customer-initiated changes to Advanced Communications Services provided under month-to-month service plans or fixed-period service plans may affect the monthly rates and minimum service periods for the services or for related service elements, as set forth in B., following, and in 3.2, Service Rearrangements.

Should the customer choose to discontinue fixed-period service prior to the completion of the fixed-period service pricing plan, discontinuance charges will apply, as set forth in 3.4.

##### **B. Changes to Pricing Plans**

1. Services provided under the month-to-month plan may be changed to fixed-period plans at any time without the customer incurring any nonrecurring or discontinuance charges. The monthly rates will be those in effect at the time the new fixed-period service begins. New minimum service periods, as set forth in 2.4.3, apply to changes in pricing plans.
2. If a customer chooses to change an existing service offered under a fixed-period service pricing plan to a month-to-month plan, the change will be treated as a discontinuance of the existing service and an establishment of new service, and appropriate discontinuance charges, as set forth in 3.4, a new minimum period and the new monthly rates for the service will apply.

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(D)

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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

#### **2.4.6 PREPAYMENT DISCOUNT**

Recurring rates for services provided under a fixed-period service pricing plan may, at the customer's option, be prepaid in whole or in part. The prepaid amount shall be subject to a prepayment discount, which will be calculated by the Company, using an annuity factor which is based on the after-tax basis of the Company's incremental cost of capital rate at the time of the prepayment and the term for which the prepayment is being made.

#### **2.4.7 SPREAD OF NONRECURRING CHARGES**

Nonrecurring charges for services provided under a fixed period service pricing plan may, at the customer's option, be spread over the term of the service pricing plan and paid monthly as part of the customer's monthly billing. The additional charge will be calculated by the Company, using a composite annuity factor which is based on the Company's cost of money, income tax and depreciation factors. If the customer discontinues or converts service provided under a spread of nonrecurring charges, the nonrecurring charges become due immediately.

### **2.5 CONNECTIONS**

#### **2.5.1 GENERAL**

Equipment and systems, i.e., terminal equipment and communications systems, may be connected with Advanced Communications Services furnished by the Company where such connection is made in accordance with the provisions of this document and the provisions set forth in the technical publications listed in this document under Reference to Technical Publications.

Customer terminal equipment and systems must conform to industry standards set forth in technical publications listed in this document under Reference to Technical Publications.

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## 2. GENERAL REGULATIONS

### 2.6 DEFINITIONS

Certain terms used herein are defined as follows:

#### ACS Network

The commonly-shared, geographically-distributed arrangement of interoperating advanced communications components. Together, these components provide advanced communications services and/or functionalities of a specified type to multiple customers.

#### Bit

The smallest unit of information in the binary system of notation.

#### Carrier Sense Multiple Access with Collision Detection (CSMA/CD)

A method of controlling access to a shared transmission path, particularly in local area networks.

#### Class of Service (CoS)

Class of Service (CoS) is an optional feature that supports multiple class options to provide a predictable performance based solution by prioritizing customer traffic for traffic management of specific business applications.

#### Committed Information Rate (CIR)

The number of bits transmitted per second, under normal conditions, over a Permanent Virtual Connection (PVC).

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS**

Certain terms used herein are defined as follows:

#### Communication System

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

#### Customer

Any individual, partnership, association, joint-stock company, trust, corporation, governmental entity or any other entity which subscribes to the services offered herein.

#### Discard Eligibility (DE)

A bit in the Frame Relay header that enables the network to manage congestion.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Ethernet

A local area network design employing CSMA/CD as its access control mechanism.

#### Ethernet Virtual Circuit (EVC)

The term "Ethernet Virtual Circuit" (EVC) denotes an association of two or more Network Interfaces (NI). The EVC connects two or more subscriber sites (NIs) enabling private and secure transfer of Ethernet frames between them. An internal identifier is transparently assigned by the Company to customer traffic and prevents data transfer between subscriber sites not part of the same customer EVC. The EVC also provides customer traffic segmentation over the shared Metro Optical Ethernet (MOE) Network.

#### Facilities

Data switches, wires, cables, circuits, conduit, poles or space thereon, service entrances, network interfaces and all other company-provided equipment.

#### First Come, First Served

A procedure followed when the first order or transmission received will be the first processed.

#### Flag Sequence

The sequence of bits employed to delimit the beginning and ending of a frame.

#### Frame

A sequence of contiguous bits delimited by beginning and ending flag sequences.

#### Hot Back-Up

When a customer has purchased Interface Redundancy, hot back-up is the electronic redundancy of a Data Link interface which becomes active if a Data Link interface fails.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Local Area Network (LAN)

A network permitting the interconnection and intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

#### Logical Channel

A communications channel through the network that allows transmission of sequenced data packets through the network. No circuit capacity is preassigned to a logical channel; capacity is made available as data is transmitted.

#### Network Interface (NI)

The point of interconnection between Company communications facilities and terminal equipment, protective apparatus or other customer-provided facilities. The network interface serving the customer's premises is also referred to as the demarcation point.

#### Network-to-Network Interface (NNI)

A frame relay industry-standard interface between two frame relay networks used to connect private or public frame relay networks.

#### Open Systems Interconnection (OSI)

A seven-layer, generic network architecture model, used to standardize network protocol. Its purpose is to facilitate interoperability, enabling any OSI compliant computer or device to communicate with any other OSI compliant computer or device for an exchange of information.

#### Overhead

Cell Relay overhead is the five byte header of a 53 byte cell.

#### Polling

Status inquiry message sent on a data communications facility to give the receiving end of the inquiry an opportunity to transmit and/or receive information.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Premises

A building, or a portion of a building in a multi-tenant building, or buildings on continuous property (except railroad rights-of-way, etc.) not separated by a public highway. This term is not limited to one building, but applies as well to a complex, or campus-type configuration of buildings.

#### Private Frame Relay Network

Typically a single-owner, single-user network, which may be interconnected with a public frame relay service network.

#### Protocol

A set of conditions for conducting interactions between two or more terminals, hosts or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

#### Public Frame Relay Network

Typically a multi-user, shared network, used by a frame relay service provider to provide frame relay service to its customers.

#### Service Point

The geographic location designated by the company at which the access component of a customer's Advanced Communications Service is considered to first enter the ACS Network.

#### Statistical Multiplexing

A multiplexing technique in which timeslots are dynamically allocated on the basis of need rather than being predefined. The data is typically transmitted on a first come, first served basis.

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## 2. GENERAL REGULATIONS

### 2.6 DEFINITIONS (Cont'd)

#### Sustained Information Rate (SIR)

Denotes the average bit rate or speed at which user information can be transferred into and out of the ACS Network. It represents the maximum information transfer speed that can be sustained.

#### Transparent

In communications systems, that property which allows transmission of signals without changing their electrical characteristics or coding beyond the specified limits of the system design.

(D)

(D)

#### User-to-Network Interface

A frame relay industry-standard interface between an end user customer and a frame relay network.

#### Virtual Circuit

A logical transmission channel established to a network address. The logical channel exists for a period of time until either end of the channel terminates the transmission.

### 2.7 INDIVIDUAL CASE BASIS

The Company may offer individualized arrangements on a case-by-case basis where necessary to meet prices, terms, or conditions of service offered to its customers by competitors.

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**102. OBSOLETE GENERAL REGULATIONS**

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## **102. OBSOLETE GENERAL REGULATIONS**

### **102.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **102.4.3 MINIMUM PERIODS**

When a service is provided under a standard fixed-period service agreement, as set forth in 102.4.5, the minimum period for Frame Relay Service (FRS) is three months.

#### **102.4.5 VARIABLE TERM PRICING PLANS**

##### **A. Fixed-Period Service Agreements**

Under a standard fixed-period service agreement, the customer may order service for the available term desired at the month-to-month rates for the service.

##### **B. Changes to Rate Plans**

Services provided under a standard fixed-period service agreement may be upgraded to a discounted fixed-period service agreement at any time without the customer incurring any nonrecurring or discontinuance charges.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

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Effective: January 1, 2017

### **3. ORDER AND SERVICE MODIFICATIONS AND MISCELLANEOUS CHARGES**

#### **3.1 ORDER MODIFICATION**

The customer may request a modification of an 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 the normal business hours of 8 a.m. to 5 p.m.

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

The types of order modifications available are delineated in the following paragraphs. These order modifications apply to services that require network provisioning design.

##### **3.1.1 SERVICE DATE CHANGE**

Service dates for the installation of new services or rearrangements of existing services may be changed as follows:

If a customer's new 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 prior to installation. (C)  
(C)  
(D)

If a customer desires that service be provided on an earlier date than that which has been established for the order, the customer may request that service be provided on an expedited basis. If the Company agrees to provide the service on an expedited basis, an Expedite Charge will apply as set forth in the Competitive Private Line Transport Services Tariff. The customer will be notified of the Expedite Charge prior to the order being issued.

There may be occasions where due to limitations facilities are not available. In such cases where it is necessary to construct facilities then Special Construction will apply, as set forth as set forth in 3.6, following.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.1 ORDER MODIFICATION (Cont'd)**

**3.1.2 CANCELLATION OF ORDER FOR SERVICE**

- A. A customer may cancel an 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 10 days. If a customer or a customer's end user is unable to accept service **for any service except Metro Optical Ethernet (MOE)** within 30 calendar days after the original service date[1], the following will occur:

- The Access Order will be canceled and charges 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.

**If a customer or a customer's end user is unable to accept service for Metro Optical Ethernet (MOE) within 5 business days of the latest agreed upon service date[1] (i.e., firm order confirmation date), the customer has the choice of the following options:**

- **The Order will be canceled and charges set forth in D. and E., following will apply if the service has not been fully provisioned; or**
- **The 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.**

- B. Service Date Intervals are associated with the provisioning of an order. Certain Critical Dates, as set forth in E., following, are used by the Company to monitor the service order provisioning progress. 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 determines 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 an order start on the Application Date defined in C., following. When a customer cancels an order prior to the Application Date, no charges shall apply. When a customer cancels an order or part of an 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 order or part of an order, on or after the original Service Date, the Cancellation Charge will apply as set forth in D., and E., following.

[1] Exception: Billing for MOE Service with a Bandwidth Profile of 100 Mbps or less will commence immediately where the port is available for service and the due date is reached.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.1 ORDER MODIFICATION**

**3.1.2 CANCELLATION OF ORDER FOR SERVICE (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 to the Company for order placement. The APP Date is the date the Company enters the order into the Company's order distribution system(s). 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.
- 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 order, or part of an order, before the Service Date, the Company will calculate the cancellation charge by multiplying all the nonrecurring charges associated with the order, or that part of the order being canceled, by the percentage shown in E., following, based on the last monitored Critical Date which has occurred on the order. When a customer cancels an order or part of an order on or after the original Service Date, 100% of the nonrecurring charges plus minimum period charges apply.

Nonrecurring charges associated with an order are used to calculate and bill the cancellation charge to the customer even when nonrecurring charges are waived.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.1 ORDER MODIFICATION**

**3.1.2 CANCELLATION OF ORDER FOR SERVICE (Cont'd)**

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

ALL STATES					
	APP %	DLRD %	PTD %	DD %	
• Frame Relay Service 56 kbps, 64 kbps and two-wire access[2]	13	44	77	[1]	(T)
• Frame Relay Service all other speeds[2]	10	48	81	[1]	(T)
• ATM Service[2]	10	48	81	[1]	(T)
• LAN Switching Service (LSS)[3]	10	48	81	[1]	(T)
• Metro Optical Ethernet (MOE)	10	48	81	[1]	

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

[2] ATM and Frame Relay Service is Grandfathered as of October 28, 2018. (N)

[3] LSS is Grandfathered as of April 17, 2008. (T)

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.1 ORDER MODIFICATION**

**3.1.2 CANCELLATION OF ORDER FOR SERVICE (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 an order without incurring cancellation charges.
- H. A request for cancellation after completion of an installation will be treated as a discontinuance of service.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.2 SERVICE REARRANGEMENTS**

Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the network interface. Changes in the physical location of the network interface are treated as moves and are described and charged for as set forth in 3.3, following.

**A. Additions to Service**

1. When service elements are added to an existing Advanced Communications Service, the added elements must meet the minimum period requirements associated with the service to which they are added. (C)

(D)  
(D)

2. An addendum to the existing fixed-period service pricing plan is required when service elements are added to an existing fixed-period service. (C)  
(C)

Service elements added to an existing fixed-period service plan will terminate on expiration date of the fixed-period plan.

3. Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s). (C)

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(D)

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.2 SERVICE REARRANGEMENTS (Cont'd)**

**B. Change in Speed or Capacity and Conversion to Other Services**

1. An existing Advanced Communications Service that is provided under a fixed-period service pricing plan may be changed in speed or capacity, or may be converted to another service, without incurring a discontinuance charge, provided all the following conditions are met:

- Both the existing and the new services are provided solely by the Company;
- The order to discontinue the existing service and the order to establish the new service are received by the Company at the same time;
- The total value of the new service pricing plan, excluding any special construction charges and any other nonrecurring charges, is equal to or greater than 115% of the total value of the existing plan for the remaining months of that plan;
- The new service installation must take place within 30 calendar days of the disconnection of the existing service, unless an installation delay is caused by the Company; and
- The customer agrees to pay any previously billed recurring rates and any outstanding nonrecurring charges. These rates and charges shall not be a part of the new service plan.

If one or more of the required conditions for change of service is not met, the change will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges, as set forth in 3.4, will apply.

2. The monthly rates for the new service will be those rates in effect at the time of the service change. All related nonrecurring charges apply for the new service and are the charges in effect at the time of the service change. This includes changes in speed.

(C)

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3. All changes to service are subject to facility availability, as set forth in 2.1.2.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.2 SERVICE REARRANGEMENTS (Cont'd)**

**C. Non-billable Administrative Changes**

Some administrative changes to existing service will be made without charge(s) to the customer. Non-billable 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 premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification.
- Change in jurisdiction for MOE.

(T)

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.3 MOVES**

A move involves a customer-initiated change in the physical location of one of the following:

- The network interface at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

**A. Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring charge for the service termination affected. There will be no change in the minimum period requirements.

**B. Moves to a Different Building**

1. Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the moved services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service. Moves to a different building may be eligible for portability, as described in 2., following.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.3 MOVES**

**B. Moves to a Different Building (Cont'd)**

**2. Portability**

Portability allows services with fixed-period pricing plans to be moved to different building without incurring discontinuance charges or establishing a new minimum service periods. Moves made under portability provisions are subject to facility availability, as set forth in 2.1.2. Under portability, a customer may choose to move either a portion of or the entire existing service without incurring discontinuance charges, provided the following conditions are met:

- Both the existing and the new services are provided solely by the Company;
- The customer's request for both the disconnect order for the existing service and the new connect order for the new service are received at the same time and must specifically request portability;
- The customer's request for the disconnect order for the existing service must reference the new connect order; and
- The new connection must take place within 30 calendar days of the disconnection of the existing service, unless an installation delay is caused by the Company.

Should changes to either the disconnect order or the new connect order for portability exclude one or more of the conditions above, applicable discontinuance charges will be assessed.

For service provided under a fixed-period service pricing plan, the remaining term of the pricing plan for the service that is being discontinued shall be the term of the new service, provided the remainder of the existing pricing plan is at least the minimum period of the existing pricing plan, as set forth in 2.4.3. If the remaining term is less than the associated minimum period, the minimum term for the new service shall be the associated minimum period.

The monthly rates for the new service will be those rates in effect at the time the new service is installed. All nonrecurring charges apply for the new service.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.4 DISCONTINUANCE OF SERVICE**

**A. Month-to-Month Service**

When month-to-month service, or any portion thereof, is discontinued prior to the completion of the minimum period (one month), rates and charges for one month will apply at the rate levels in effect at the time service is discontinued.

**B. Minimum Billing Level**

When a service, or portion thereof, provided under a fixed-period service pricing plan, is discontinued, a Minimum Billing Level will be established for use in calculating discontinuance charges. The Minimum Billing Level is 100% of the monthly rates of all rate elements being discontinued, except for the following services:

(D)

(D)

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.4 DISCONTINUANCE OF SERVICE (Cont'd)**

**C. Fixed-Period Service Pricing Plan**

1. Should the customer choose to discontinue service provided under a fixed-period service pricing plan prior to the completion of the minimum service period, a discontinuance charge will apply.

(D)

(D)

- a. The discontinuance charge for Metro Optical Ethernet (MOE) is the customer's Minimum Billing Level for the remaining months of the minimum service period, plus 40% of the Minimum Billing Level, times the remaining months of the fixed-period service pricing plan (after the minimum service period)[1].
2. Should the customer choose to discontinue fixed-period service after the minimum service period but before the completion of a fixed-period service pricing plan, a nonrecurring discontinuance charge will apply.

(D)

(D)

- a. The discontinuance charge for Metro Optical Ethernet (MOE) is equal to 40% of the customer's Minimum Billing Level, times the remaining months of the fixed-period service pricing plan[1].

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[1] Qwest Corporation Networking Services pricing plans which were in service prior to the effective date of this page will retain 15% termination liability for the duration of the existing fixed-period.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.4 DISCONTINUANCE OF SERVICE (Cont'd)**

**D. Prepaid Services**

Should a customer choose to discontinue fixed-period service which is provided under a prepayment arrangement, as set forth in 2.4.6, the Company will:

1. Recalculate the prepayment discount to determine the appropriate discounted payment for the period of time that the customer actually received the service which is being discontinued;
2. Deduct the amount calculated in step 1 from the total prepayment made by the customer;
3. Multiply the total monthly discounted prepayment rate of the original term of the fixed-period service pricing plan by the number of months remaining in the fixed-period service pricing plan, as set forth in C.;
4. Apply the discontinuance charge percentages set forth in C. to the result of step 3; then
5. Deduct the result of step 4 from the portion of the prepaid funds that remains after step 2 and refund the balance to the customer.

(D)

(D)

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.5 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER  
OCCURRENCE**

**A. When 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:

- The service is of the same type as was provided prior to the fire, flood or other occurrence.
- The service is for the same customer.
- The service is at the same location on the same premises.
- 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).

**B. When Charges Apply**

Associated nonrecurring charges and monthly rates apply when service is established at a different location on the same premises, or at a different premises, pending reestablishment of service at the original location.

**3.6 SPECIAL CONSTRUCTION**

**A. General**

1. The terms, conditions, rates and charges for Special Construction are determined in accordance with Company Practices.
2. 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 design or construction of the necessary facilities does not involve unusual costs.
3. Construction Charges will apply as specified in Section 4 of the Competitive Exchange and Network Services Tariff.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.6 SPECIAL CONSTRUCTION (Cont'd)**

**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 designs and/or 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 designs and/or 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 and/or design 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 designs and/or constructs a greater quantity of facilities than that which they would otherwise construct in order to fulfill the customer's initial requirements for services.
  - e. The facilities to provide services are not available and, at the request of the customer, the Company expedites design and/or construction of facilities at greater expense than would otherwise be incurred.
  - f. At the request of a customer, the Company accommodates a change in a service date for the installation of a new service or the rearrangement of an existing service and incurs a greater expense than would otherwise be incurred for the design, construction or rearrangement of the service.
  - g. The facilities to provide services are not available and, at the request of the customer, the Company designs and constructs temporary facilities to provide services for the period during which the permanent facilities are under construction.

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**3. ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**3.6 SPECIAL CONSTRUCTION (Cont'd)**

**C. Special Construction Agreements**

Customers requiring Special Construction enter into Special Construction agreements with the Company.

**3.7 MAINTENANCE OF FACILITIES**

Maintenance of Company facilities is initiated and furnished by the Company and is generally performed during the hours of 7 a.m. to 7 p.m., seven days a week. At a time agreeable to both the customer and the Company, Company facilities shall be available for maintenance purposes.

All ordinary expense of maintaining Company-provided facilities and service is borne by the Company. No credit allowance will be made for the period during which service is interrupted for such purpose. Additional engineering and labor are provided by the Company, as set forth in the Competitive Private Line Transport Services Tariff, Section 4.

**3.8 TROUBLE ISOLATION**

When a customer reports service trouble to the Company, and a service visit is made, if the trouble is not found in Company equipment or facilities, the customer shall be responsible for payment of a Trouble Isolation Charge. If the trouble is later found to be due to a failure of Company equipment, services or systems, the related service visit(s) will result in no charge to the customer. Credit allowance will not apply for an interruption of a service due to the failure of equipment, services or systems that are not provided by the Company.

**3.9 ACCEPTANCE TESTING**

At the customer's request, the Company will, at service installation, cooperatively test the compliance of Advanced Communications Services with the appropriate service parameters set forth in technical publications listed in this document, at no charge to the customer. Additional testing is provided by the Company, as set forth in the Competitive Private Line Transport Services Tariff, Section 4.

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**103. OBSOLETE ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

<b>SUBJECT</b>	<b>PAGE</b>
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**103. OBSOLETE ORDER AND SERVICE MODIFICATIONS  
AND MISCELLANEOUS CHARGES**

**103.2 DISCONTINUANCE OF SERVICE**

**A. Standard Fixed-Period Pricing Plan**

Should the customer choose to discontinue service provided under a standard fixed-period service agreement prior to the completion of the minimum service period set forth in 2.4.3, a discontinuance charge will apply. The discontinuance charge is 100% of the customer's Minimum Billing Level for the remaining months of the minimum service period, plus 10% of the customer's Minimum Billing Level for the remaining term of the fixed-period service agreement.

Should the customer choose to discontinue standard fixed-period service after the minimum service period but before the completion of a standard fixed-period service agreement, a nonrecurring discontinuance charge equal to 10% of the customer's Minimum Billing Level for the remaining portion of the fixed-period service agreement will apply. For example, a customer has a service which it chooses to discontinue after 33 months of a 5-year (60 month) standard fixed-period service agreement. The discontinuance charge will be 0.10 multiplied by 27 months, multiplied by the Minimum Billing Level for that service.

If by discontinuing a portion of its service provided under a standard fixed-period agreement, the customer's total monthly billing level falls below the customer's Minimum Billing Level, a nonrecurring discontinuance charge, as set forth preceding, will apply only to the portion of the service being discontinued.

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 4**  
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Release 1

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**4. RESERVED FOR FUTURE USE**

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 5**  
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**5. RESERVED FOR FUTURE USE**

(T)

[1] This page cancels Section 5 of the Tariff and moves it to Section 105.

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(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.1 DESCRIPTION

(T-M)

#### 105.1.1 GENERAL

(T-M)

Effective October 28, 2018, CenturyLink's Frame Relay Access Service will no longer be available to new customers nor will new orders from existing customers be accepted (except to the extent permitted by term discount plan/contract).

(N)

Existing customers of this service will be grandfathered as follows:

- As of October 28, 2018, month-to-month customers will no longer be able to purchase this service.
- Existing term discount plans/contracts for this service will not be renewed.
- Customers with a term discount plan/contract that expires prior to March 1, 2019 may retain their Frame Relay Service covered by that term discount plan/contract on a month-to-month basis until March 1, 2019.
- Customers with a term discount plan/contract that expires after March 1, 2019 may retain their Frame Relay Service covered by that term discount plan/contract until the expiration of the term discount plan/contract. If a customer is currently under a term discount plan/contract and wishes to move to another service, cancellation charges will not apply.

(N)

Employing digital technology, Frame Relay Service (FRS) provides high speed access and throughput to and among Local Area Networks (LANs), as well as computers. Utilizing statistical multiplexing, FRS enables users to allocate circuit bandwidth to applications as needed, up to the maximum bandwidth purchased, rather than assigning fixed channels to specific applications. FRS supports transmission speeds up to 44.736 Mbps.

(M)

FRS requires the use of customer terminal equipment that functions as a multiplexer/bridge/router. This terminal equipment must be purchased separately from the FRS and must conform to CCITT and ANSI standards set forth in technical publications listed in this document under Reference to Technical Publications. The terminal equipment accumulates customer data and puts it into a frame relay format suitable for transmission over the ACS Network.

Frame Relay Service conforms to CCITT and ANSI standards set forth in technical publications listed in this document under Reference to Technical Publications.

(M)

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.1 DESCRIPTION (Cont'd)

#### 105.1.2 SERVICE ELEMENTS

(T-M)

##### A. Network Interface

(M)

The point at which a customer's data transmissions first enter the network supporting Frame Relay Service is the network interface. It is the point of interconnection between Company communications facilities and customer terminal equipment.

##### B. Access Link

For 4-Wire 56 kbps through 1.544 Mbps Frame Relay Service, FRS Access Links provide access to the ACS Network, connecting customer facilities at the network interface with a corresponding Frame Relay Port. FRS Access Links provide access to the ACS Frame Relay Network, connecting customer facilities at the network interface, or connecting other frame relay networks' facilities at the network interface with an Information Transfer service element. The 56 or 64 kbps Access Link utilizes the 56 or 64 kbps Information Transfer service element, and the 1.544 Mbps Access Link utilizes 56 kbps through 1.544 Mbps Information Transfer service elements.

Frame Relay unidirectional polling is required on the Access Link when used in conjunction with User-To-Network Information Transfer. Frame Relay bidirectional polling is required on the Access Link when used in conjunction with the Network-To-Network Information Transfer.

Company-provided, private line transport facilities must be used to access 44.736 Mbps FRS.

##### C. Stand-Alone Access Link

A Stand-Alone Access Link connects customer facilities to frame relay service - networks provided by service providers other than the Company. It does not connect to an ACS Frame Relay Network. A Stand-Alone Access Link requires uni-direction polling. Private Line transport mileage may be required in conjunction with a Stand-Alone Access Link in order to connect the customer's serving wire center, or node, with the serving wire center, or node, of another frame relay service provider.

(M)

(M) Material moved from Section 5.

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## **105. OBSOLETE FRAME RELAY SERVICE**

### **105.1 DESCRIPTION**

#### **105.1.2 SERVICE ELEMENTS (Cont'd)**

##### **D. Port**

In the ACS Network, ports are the physical entry points for Access Links and the originating and terminating points for Permanent Virtual Connections. Ports include the electronic equipment used in connecting these service elements to the ACS Network. On each port, a customer may allocate bandwidth to applications at customer-designated transmission speeds up to 56 or 64, 112 or 128, 224 or 256, 336 or 384, 448 or 512, 672 or 768 kbps, 1.544 Mbps, or 44.736 Mbps.

##### **E. Service Point**

ACS Network Ports are located at ACS Service Points - geographic locations designated by the Company where the ACS Network is to be accessed.

##### **F. User-To-Network Information Transfer (UNIT)**

The User-To-Network Information Transfer (UNIT) service element transfers information between the User-To-Network Interface (UNI) and the ACS Frame Relay Service Network.

User-To-Network Information Transfer provides the physical entry point into the ACS Network for Access Links. The UNIT includes the associated port, unidirectional Permanent Virtual Connections (PVCs) and ACS Frame Relay switching equipment. UNIT PVCs are provisioned at customer-selected Committed Information Rates (CIRs), and at port speeds, dependent upon the customer's data networking requirements. UNIT provides unidirectional polling between the customer's facilities and the ACS FRS Network.

(M) Material moved from Section 5.

(M)

(M)

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## **105. OBSOLETE FRAME RELAY SERVICE**

### **105.1 DESCRIPTION**

#### **105.1.2 SERVICE ELEMENTS (Cont'd)**

##### **G. Network-To-Network Information Transfer (NNIT)**

Available on a 4-Wire basis only, the Network-To-Network Information Transfer (NNIT) service element transfers information between the ACS Frame Relay Service Network and another frame relay service network.

Network-To-Network Information Transfer provides the physical entry point into the ACS Network for Access Links. The NNIT includes the associated port, unidirectional Permanent Virtual Connections (PVCs) and ACS Frame Relay switching equipment. If the other frame relay service network's switch or facility is not in a location served by a Company serving wire center where an ACS FRS switch is located, private line transport charges will apply, at rates set forth in Section 6 of the Competitive Private Line Transport Services Tariff. NNIT PVCs are provisioned at customer-selected Committed Information Rates (CIRs), and at port speeds, dependent upon the customer's data networking requirements. Detailed CIR information is set forth in technical publications listed in this document under Reference to Technical Publications.

NNIT provides bi-directional polling between the ACS FRS Network and another frame relay service network.

(M)

(M)

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.1 DESCRIPTION

#### 105.1.2 SERVICE ELEMENTS (Cont'd)

##### H. Permanent Virtual Connection (PVC)

(M)

A PVC is a unidirectional, logical channel from one Frame Relay Port to another Frame Relay Port within the ACS Network. PVCs are provisioned, at customer-selected port speeds, with customer-selected Committed Information Rates (CIRs), depending on the customer's data network requirements.

Although higher numbers of PVCs may be provided, depending on an individual customer's traffic characteristics, the following are the recommended maximum numbers of PVCs for designated FRS port speeds:

4-WIRE FRS PORT SPEEDS	RECOMMENDED NUMBER OF PVCs
56 or 64 kbps	30
112 or 128 kbps	40
224 or 256 kbps	80
336 or 384 kbps	120
448 or 512 kbps	125
672 or 768 kbps	125
1.544 Mbps	125
44.736 Mbps	[1]

##### I. Central Office Connecting Channel (COCC)

When a customer accesses FRS via a private line transport facility which requires multiplexing to be compatible with FRS transmission speeds or requires port to port connectivity, the COCC provides the ongoing interconnection from the multiplexer or other facility port to an FRS port.

An FRS Level One COCC provides connectivity at speeds up to 1.544 Mbps.

An FRS Level Two COCC provides connectivity at speeds up to 44.736 Mbps.

[1] The maximum number of PVCs which may be associated with 44.736 Mbps FRS is 500.

(M)

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.1 DESCRIPTION (Cont'd)

#### 105.1.3 OPTIONAL FEATURES AND FUNCTIONS

(T-M)

##### A. Customer Network Management

(M)

The Customer Network Management (CNM) feature provides the customer with read-only access to information related to service faults, usage and Frame Relay Service configurations. Utilizing Simple Network Management Protocol (SNMP), customer-provided network management workstations access CNM and receive solicited and unsolicited service information. CNM includes a PVC which is dedicated to the feature. This CNM-dedicated PVC does not affect the total number of PVCs available to the customer per port. The furnishing of Customer Network Management requires certain technical capabilities of the Frame Relay switch and is therefore available only where switches are so equipped.

(M)

(M) Material moved from Section 5.



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## **105. OBSOLETE FRAME RELAY SERVICE**

### **105.3 RATE TERMS AND CONDITIONS (Cont'd)**

- C. A 4-Wire FRS Access Link is available as a component of FRS or as a stand-alone offering. When a Stand-Alone Access Link is ordered, transport mileage may apply, at rates set forth in Section 6 of the Competitive Private Line Transport Services Tariff. (M)

- D. A customer may access 4-Wire 56 kbps through 1.544 Mbps Frame Relay Service via an FRS Access Link or via Company-provided, digital, private line facilities. When a customer's serving wire center is not an FRS Service Point, the customer may utilize a combination of an FRS Access Link and Company-provided, digital, private line transport facilities to reach the nearest FRS Service Point. If a customer utilizes private line facilities, or private line transport with an FRS Access Link, to access FRS, the associated terms, conditions, rates and charges for such private line facilities shall apply in addition to the rates and charges associated with the Frame Relay service elements.

Company-provided, private line transport facilities must be used to access 44.736 Mbps FRS.

A customer utilizing private line facilities to access FRS would not incur a nonrecurring charge or monthly rate for a Frame Relay Access Link, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installation and provisioning of FRS, as set forth in 5.4.

- E. When a customer orders a Frame Relay PVC or Customer Network Management (CNM) after Frame Relay Service (FRS) is established, or a customer orders a change to an established FRS PVC assignment or Committed Information Rate, a nonrecurring, subsequent order charge applies in addition to the nonrecurring charge for the element or feature ordered or changed. However, when FRS PVCs or CNM are ordered or changed on the same customer service configuration at the same time, only one subsequent order charge applies. (M)

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.4 RATE ELEMENTS

(T-M)

#### 105.4.1 GENERAL

(T-M)

##### A. Access Link

(M)

A nonrecurring charge and monthly rate, both based on the speed of the Access Link, e.g., 56/64 kbps or 1.544 Mbps, apply per Access Link for each physical connection to the ACS FRS Network.

##### B. Stand-Alone Access Link

A nonrecurring charge and a monthly rate, based on the speed of the Stand-Alone Access Link, apply per Stand-Alone Access Link for the physical connection between a customer's facilities and a frame relay service network provided by a service provider other than the Company. In addition to this rate element, transport mileage may apply, at rates set forth in Section 6 of the Competitive Private Line Transport Services Tariff.

##### C. Information Transfer (UNIT or NNIT)

A monthly rate, based on the speed of the port and the number of PVCs assigned to the port, applies per port for each FRS Access Link or digital private line connection to the network supporting FRS. A "First PVC" nonrecurring charge applies for the first unidirectional PVC ordered on an FRS Port. An "Each Additional PVC" nonrecurring charge applies for each additional unidirectional PVC ordered on the same FRS Port as the first PVC. For subsequent installations (order request after initial installations), a subsequent nonrecurring order charge applies, in addition to the "Each Additional PVC" nonrecurring charge, when PVCs are added, PVC assignments are changed, or CIR is changed on an existing PVC. In addition, private line transport charges may apply for NNIT, as set forth in 5.1.2.G.

##### D. Central Office Connecting Channel (COCC)

(M)

A nonrecurring charge and a monthly rate apply per COCC.

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.4 RATE ELEMENTS (Cont'd)

#### 105.4.2 OPTIONAL FEATURES AND FUNCTIONS

(T-M)

##### A. Customer Network Management (CNM)

(M)

A nonrecurring charge and monthly rate apply per customer-provided network management workstation which accesses CNM.

##### B. Subsequent Customer Network Management Order

A nonrecurring charge applies per order to add Customer Network Management or to add access of a customer-provided network management workstation to an existing Frame Relay Service. This charge applies in addition to the nonrecurring charge associated with the Customer Network Management feature.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

(T-M)

**105.5.1 GENERAL**

(T-M)

A. Access Link

(M)

1. 4-Wire Service

a. 56 or 64 kbps, per Access Link

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• Month-to-Month	\$900.00	\$450.00
• 1-Year	900.00	450.00
• 2-Year	900.00	450.00
• 3-Year	900.00	450.00
• 4-Year	900.00	450.00
• 5-Year	900.00	450.00
• 6-Year	900.00	450.00
• 7-Year	900.00	450.00

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
• Month-to-Month	\$237.00	\$79.00
• 1-Year	231.00	77.00
• 2-Year	225.00	75.00
• 3-Year	213.00	71.00
• 4-Year	213.00	71.00
• 5-Year	213.00	71.00
• 6-Year	213.00	71.00
• 7-Year	213.00	71.00

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

A.1. (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
b. 1.544 Mbps, per Access Link			
• Month-to-Month	\$1,200.00	\$600.00	
• 1-Year	1,200.00	600.00	
• 2-Year	1,200.00	600.00	
• 3-Year	1,200.00	600.00	
• 4-Year	1,200.00	600.00	
• 5-Year	1,200.00	600.00	
• 6-Year	1,200.00	600.00	
• 7-Year	1,200.00	600.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-to-Month	\$450.00	\$150.00	
• 1-Year	427.50	142.50	
• 2-Year	421.89	140.63	
• 3-Year	416.25	138.75	
• 4-Year	410.64	136.88	
• 5-Year	405.00	135.00	
• 6-Year	405.00	135.00	
• 7-Year	405.00	135.00	(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL (Cont'd)**

B. Stand-Alone Access Link

(M)

1. 4-Wire Service

**NONRECURRING CHARGE  
 MAXIMUM CURRENT**

a. 56 or 64 kbps, per Access Link

• Month-to-Month	\$900.00	\$450.00
• 1-Year	900.00	450.00
• 2-Year	900.00	450.00
• 3-Year	900.00	450.00
• 4-Year	900.00	450.00
• 5-Year	900.00	450.00
• 6-Year	900.00	450.00
• 7-Year	900.00	450.00

**MAXIMUM CURRENT  
 MONTHLY MONTHLY  
 RATE RATE**

• Month-to-Month	\$237.00	\$79.00
• 1-Year	231.00	77.00
• 2-Year	225.00	75.00
• 3-Year	213.00	71.00
• 4-Year	213.00	71.00
• 5-Year	213.00	71.00
• 6-Year	213.00	71.00
• 7-Year	213.00	71.00

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

B.1. (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
b. 1.544 Mbps, per Access Link			
• Month-to-Month	\$1,200.00	\$600.00	
• 1-Year	1,200.00	600.00	
• 2-Year	1,200.00	600.00	
• 3-Year	1,200.00	600.00	
• 4-Year	1,200.00	600.00	
• 5-Year	1,200.00	600.00	
• 6-Year	1,200.00	600.00	
• 7-Year	1,200.00	600.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-to-Month	\$450.00	\$150.00	
• 1-Year	427.50	142.50	
• 2-Year	421.89	140.63	
• 3-Year	416.25	138.75	
• 4-Year	410.64	136.88	
• 5-Year	405.00	135.00	
• 6-Year	405.00	135.00	
• 7-Year	405.00	135.00	(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL (Cont'd)**

C. User-to-Network Information Transfer (UNIT)

(M)

1. 4-Wire Service

a. 56 or 64 kbps - UNIT

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	40.00	20.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	<b>MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE</b>	<b>1-YEAR RATE</b>
• Per port with:		
1 PVC	\$166.68	\$158.34
2 PVCs	340.89	323.85
3 PVCs	446.76	424.41
4 PVCs	532.17	505.56
5 PVCs	607.29	576.93
6 through 14 PVCs[2]	18.78	17.85
15 through 24 PVCs[3]	9.39	8.91
Each additional PVC over 24[4]	4.68	4.44

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.a. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$ 55.56	\$ 52.78
2 PVCs	113.63	107.95
3 PVCs	148.92	141.47
4 PVCs	177.39	168.52
5 PVCs	202.43	192.31
6 through 14 PVCs[1]	6.26	5.95
15 through 24 PVCs[2]	3.13	2.97
Each additional PVC over 24[3]	1.56	1.48

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>2-YEAR</b>	<b>3-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
a. 56 or 64 kbps - UNIT			
• Per port with:			
1 PVC	\$156.27	\$154.17	
2 PVCs	319.59	315.33	
3 PVCs	418.83	413.25	
4 PVCs	498.90	492.27	
5 PVCs	569.34	561.75	
6 through 14 PVCs[1]	17.61	17.37	
15 through 24 PVCs[2]	8.79	8.70	
Each additional PVC over 24[3]	4.38	4.32	
	<b>CURRENT MONTHLY RATES</b>		
	<b>2-YEAR</b>	<b>3-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
• Per port with:			
1 PVC	\$ 52.09	\$ 51.39	
2 PVCs	106.53	105.11	
3 PVCs	139.61	137.75	
4 PVCs	166.30	164.09	
5 PVCs	189.78	187.25	
6 through 14 PVCs[1]	5.87	5.79	
15 through 24 PVCs[2]	2.93	2.90	
Each additional PVC over 24[3]	1.46	1.44	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

(M)

a. 56 or 64 kbps - UNIT

• Per port with:

1 PVC	\$152.10	\$150.00
2 PVCs	311.07	306.81
3 PVCs	407.67	402.09
4 PVCs	485.61	478.95
5 PVCs	554.16	546.57
6 through 14 PVCs[1]	17.13	16.89
15 through 24 PVCs[2]	8.58	8.49
Each additional PVC over 24[3]	4.26	4.20

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

a. 56 or 64 kbps - UNIT

• Per port with:

1 PVC	\$ 50.70	\$ 50.00
2 PVCs	103.69	102.27
3 PVCs	135.89	134.03
4 PVCs	161.87	159.65
5 PVCs	184.72	182.19
6 through 14 PVCs[1]	5.71	5.63
15 through 24 PVCs[2]	2.86	2.83
Each additional PVC over 24[3]	1.42	1.40

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

(M)

a. 56 or 64 kbps - UNIT

• Per port with:

1 PVC	\$150.00	\$150.00
2 PVCs	306.81	306.81
3 PVCs	402.09	402.09
4 PVCs	478.95	478.95
5 PVCs	546.57	546.57
6 through 14 PVCs[1]	16.89	16.89
15 through 24 PVCs[2]	8.49	8.49
Each additional PVC over 24[3]	4.20	4.20

**CURRENT MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$ 50.00	\$ 50.00
2 PVCs	102.27	102.27
3 PVCs	134.03	134.03
4 PVCs	159.65	159.65
5 PVCs	182.19	182.19
6 through 14 PVCs[1]	5.63	5.63
15 through 24 PVCs[2]	2.83	2.83
Each additional PVC over 24[3]	1.40	1.40

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### C.1. (Cont'd)

#### b. 112 or 128 kbps - UNIT

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$450.00	\$427.50
2 PVCs	464.40	441.15
3 PVCs	478.30	454.80
4 PVCs	493.20	468.60
5 PVCs	507.60	482.25
6 through 14 PVCs[2]	10.50	10.05
15 through 24 PVCs[3]	8.40	7.95
Each additional PVC over 24[4]	4.80	4.50

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.b. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$150.00	\$142.50
2 PVCs	154.80	147.05
3 PVCs	159.60	151.60
4 PVCs	164.40	156.20
5 PVCs	169.20	160.75
6 through 14 PVCs[1]	3.50	3.35
15 through 24 PVCs[2]	2.80	2.65
Each additional PVC over 24[3]	1.60	1.50

(M)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	2-YEAR	3-YEAR	
	RATE	RATE	
b. 112 or 128 kbps - UNIT			
• Per port with:			
1 PVC	\$421.95	\$416.25	
2 PVCs	435.45	429.60	
3 PVCs	448.95	442.95	
4 PVCs	462.45	456.15	
5 PVCs	475.95	469.50	
6 through 14 PVCs[1]	9.90	9.75	
15 through 24 PVCs[2]	7.95	7.80	
Each additional PVC			
over 24[3]	4.50	4.50	
CURRENT MONTHLY RATES			
	2-YEAR	3-YEAR	
	RATE	RATE	
• Per port with:			
1 PVC	\$140.65	\$138.75	
2 PVCs	145.15	143.20	
3 PVCs	149.65	147.65	
4 PVCs	154.15	152.05	
5 PVCs	158.65	156.50	
6 through 14 PVCs[1]	3.30	3.25	
15 through 24 PVCs[2]	2.65	2.60	
Each additional PVC			
over 24[3]	1.50	1.50	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>	
b. 112 or 128 kbps - UNIT			
• Per port with:			
1 PVC	\$410.70	\$405.00	
2 PVCs	423.75	417.90	
3 PVCs	436.95	430.95	
4 PVCs	450.00	443.85	
5 PVCs	463.20	456.90	
6 through 14 PVCs[1]	9.60	9.45	
15 through 24 PVCs[2]	7.65	7.50	
Each additional PVC over 24[3]	4.35	4.35	
	<b>CURRENT MONTHLY RATES</b>		
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>	
• Per port with:			
1 PVC	\$136.90	\$135.00	
2 PVCs	141.25	139.30	
3 PVCs	145.65	143.65	
4 PVCs	150.00	147.95	
5 PVCs	154.40	152.30	
6 through 14 PVCs[1]	3.20	3.15	
15 through 24 PVCs[2]	2.55	2.50	
Each additional PVC over 24[3]	1.45	1.45	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
b. 112 or 128 kbps - UNIT			
• Per port with:			
1 PVC	\$405.00	\$405.00	
2 PVCs	417.90	417.90	
3 PVCs	430.95	430.95	
4 PVCs	443.85	443.85	
5 PVCs	456.90	456.90	
6 through 14 PVCs[1]	9.45	9.45	
15 through 24 PVCs[2]	7.50	7.50	
Each additional PVC over 24[3]	4.35	4.35	
	<b>CURRENT MONTHLY RATES</b>		
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
• Per port with:			
1 PVC	\$135.00	\$135.00	
2 PVCs	139.30	139.30	
3 PVCs	143.65	143.65	
4 PVCs	147.95	147.95	
5 PVCs	152.30	152.30	
6 through 14 PVCs[1]	3.15	3.15	
15 through 24 PVCs[2]	2.50	2.50	
Each additional PVC over 24[3]	1.45	1.45	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

- c. 224 or 256 kbps - UNIT

(M)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	<b>MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE</b>	<b>1-YEAR RATE</b>
• Per port with:		
1 PVC	\$585.00	\$555.75
2 PVCs	606.00	575.70
3 PVCs	627.00	595.65
4 PVCs	648.00	615.60
5 PVCs	669.00	635.55
6 through 14 PVCs[2]	12.00	11.40
15 through 24 PVCs[3]	9.00	8.55
Each additional PVC over 24[4]	4.95	4.65

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.c. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$195.00	\$185.25
2 PVCs	202.00	191.90
3 PVCs	209.00	198.55
4 PVCs	216.00	205.20
5 PVCs	223.00	211.85
6 through 14 PVCs[1]	4.00	3.80
15 through 24 PVCs[2]	3.00	2.85
Each additional PVC over 24[3]	1.65	1.55

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>	
c. 224 or 256 kbps - UNIT			
• Per port with:			
1 PVC	\$548.40	\$541.20	
2 PVCs	568.20	560.55	
3 PVCs	587.85	580.05	
4 PVCs	607.50	599.40	
5 PVCs	627.15	618.90	
6 through 14 PVCs[1]	11.25	11.10	
15 through 24 PVCs[2]	8.40	8.40	
Each additional PVC over 24[3]	4.65	4.65	
	<b>CURRENT MONTHLY RATES</b>		
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>	
• Per port with:			
1 PVC	\$182.80	\$180.40	
2 PVCs	189.40	186.85	
3 PVCs	195.95	193.35	
4 PVCs	202.50	199.80	
5 PVCs	209.05	206.30	
6 through 14 PVCs[1]	3.75	3.70	
15 through 24 PVCs[2]	2.80	2.80	
Each additional PVC over 24[3]	1.55	1.55	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>	
c. 224 or 256 kbps - UNIT			
• Per port with:			
1 PVC	\$533.85	\$526.50	
2 PVCs	553.05	545.40	
3 PVCs	572.10	564.30	
4 PVCs	591.30	583.20	
5 PVCs	610.50	602.10	
6 through 14 PVCs[1]	10.95	10.80	
15 through 24 PVCs[2]	8.25	8.10	
Each additional PVC over 24[3]	4.50	4.50	
	<b>CURRENT MONTHLY RATES</b>		
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>	
• Per port with:			
1 PVC	\$177.95	\$175.50	
2 PVCs	184.35	181.80	
3 PVCs	190.70	188.10	
4 PVCs	197.10	194.40	
5 PVCs	203.50	200.70	
6 through 14 PVCs[1]	3.65	3.60	
15 through 24 PVCs[2]	2.75	2.70	
Each additional PVC over 24[3]	1.50	1.50	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
c. 224 or 256 kbps - UNIT			
• Per port with:			
1 PVC	\$526.50	\$526.50	
2 PVCs	545.40	545.40	
3 PVCs	564.30	564.30	
4 PVCs	583.20	583.20	
5 PVCs	602.10	602.10	
6 through 14 PVCs[1]	10.80	10.80	
15 through 24 PVCs[2]	8.10	8.10	
Each additional PVC over 24[3]	4.50	4.50	
	<b>CURRENT MONTHLY RATES</b>		
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
• Per port with:			
1 PVC	\$175.50	\$175.50	
2 PVCs	181.80	181.80	
3 PVCs	188.10	188.10	
4 PVCs	194.40	194.40	
5 PVCs	200.70	200.70	
6 through 14 PVCs[1]	3.60	3.60	
15 through 24 PVCs[2]	2.70	2.70	
Each additional PVC over 24[3]	1.50	1.50	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### C.1. (Cont'd)

- d. 336 or 384 kbps - UNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$690.00	\$655.50
2 PVCs	718.50	682.65
3 PVCs	747.00	709.65
4 PVCs	775.50	736.80
5 PVCs	804.00	763.80
6 through 14 PVCs[2]	19.50	19.50
15 through 24 PVCs[3]	9.75	9.75
Each additional PVC over 24[4]	4.65	4.35

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.d. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$230.00	\$218.50
2 PVCs	239.50	227.55
3 PVCs	249.00	236.55
4 PVCs	258.50	245.60
5 PVCs	268.00	254.60
6 through 14 PVCs[1]	6.50	6.20
15 through 24 PVCs[2]	3.25	3.10
Each additional PVC over 24[3]	1.55	1.45

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		(M)
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>	
d. 336 or 384 kbps - UNIT			
• Per port with:			
1 PVC	\$646.95	\$638.25	
2 PVCs	673.65	664.65	
3 PVCs	700.35	691.05	
4 PVCs	727.05	717.30	
5 PVCs	753.75	743.70	
6 through 14 PVCs[1]	18.30	18.00	
15 through 24 PVCs[2]	9.15	9.00	
Each additional PVC over 24[3]	4.35	4.35	
	<b>CURRENT MONTHLY RATES</b>		(M)
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>	
• Per port with:			
1 PVC	\$215.65	\$212.75	
2 PVCs	224.55	221.55	
3 PVCs	233.45	230.35	
4 PVCs	242.35	239.10	
5 PVCs	251.25	247.90	
6 through 14 PVCs[1]	6.10	6.00	
15 through 24 PVCs[2]	3.05	3.00	
Each additional PVC over 24[3]	1.45	1.45	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>4-YEAR</b>	<b>5-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
d. 336 or 384 kbps - UNIT			
• Per port with:			
1 PVC	\$629.70	\$621.00	
2 PVCs	655.65	646.65	
3 PVCs	681.60	672.30	
4 PVCs	707.70	697.95	
5 PVCs	733.65	723.60	
6 through 14 PVCs[1]	17.85	17.55	
15 through 24 PVCs[2]	8.85	8.85	
Each additional PVC over 24[3]	4.20	4.20	
	<b>CURRENT MONTHLY RATES</b>		
	<b>4-YEAR</b>	<b>5-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
• Per port with:			
1 PVC	\$209.90	\$207.00	
2 PVCs	218.55	215.55	
3 PVCs	227.20	224.10	
4 PVCs	235.90	232.65	
5 PVCs	244.55	241.20	
6 through 14 PVCs[1]	5.95	5.85	
15 through 24 PVCs[2]	2.95	2.95	
Each additional PVC over 24[3]	1.40	1.40	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
d. 336 or 384 kbps - UNIT			
• Per port with:			
1 PVC	\$621.00	\$621.00	
2 PVCs	646.65	646.65	
3 PVCs	672.30	672.30	
4 PVCs	697.95	697.95	
5 PVCs	723.60	723.60	
6 through 14 PVCs[1]	17.55	17.55	
15 through 24 PVCs[2]	8.85	8.85	
Each additional PVC			
Over 24[3]	4.20	4.20	
	<b>CURRENT MONTHLY RATES</b>		
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
• Per port with:			
1 PVC	\$207.00	\$207.00	
2 PVCs	215.55	215.55	
3 PVCs	224.10	224.10	
4 PVCs	232.65	232.65	
5 PVCs	241.20	241.20	
6 through 14 PVCs[1]	5.85	5.85	
15 through 24 PVCs[2]	2.95	2.95	
Each additional PVC			
Over 24[3]	1.40	1.40	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### C.1. (Cont'd)

- e. 448 or 512 kbps - UNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$795.00	\$755.25
2 PVCs	831.00	789.45
3 PVCs	867.00	823.65
4 PVCs	903.00	857.85
5 PVCs	939.00	892.05
6 through 14 PVCs[2]	21.00	19.95
15 through 24 PVCs[3]	10.50	10.05
Each additional PVC over 24[4]	5.40	5.10

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.e. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$265.00	\$251.75
2 PVCs	277.00	263.15
3 PVCs	289.00	274.55
4 PVCs	301.00	285.95
5 PVCs	313.00	297.35
6 through 14 PVCs[1]	7.00	6.65
15 through 24 PVCs[2]	3.50	3.35
Each additional PVC over 24[3]	1.80	1.70

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>2-YEAR</b>	<b>3-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
e. 448 or 512 kbps - UNIT			
• Per port with:			
1 PVC	\$745.35	\$735.45	
2 PVCs	779.10	768.75	
3 PVCs	812.85	802.05	
4 PVCs	846.60	835.35	
5 PVCs	880.35	868.65	
6 through 14 PVCs[1]	19.65	19.50	
15 through 24 PVCs[2]	9.90	9.75	
Each additional PVC over 24[3]	5.10	4.95	
	<b>CURRENT MONTHLY RATES</b>		
	<b>2-YEAR</b>	<b>3-YEAR</b>	
	<b>RATE</b>	<b>RATE</b>	
• Per port with:			
1 PVC	\$248.45	\$245.15	
2 PVCs	259.70	256.25	
3 PVCs	270.95	267.35	
4 PVCs	282.20	278.45	
5 PVCs	293.45	289.55	
6 through 14 PVCs[1]	6.55	6.50	
15 through 24 PVCs[2]	3.30	3.25	
Each additional PVC over 24[3]	1.70	1.65	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

(M)

e. 448 or 512 kbps - UNIT

• Per port with:

MAXIMUM MONTHLY RATES		
	4-YEAR RATE	5-YEAR RATE
1 PVC	\$725.40	\$715.50
2 PVCs	758.25	747.90
3 PVCs	791.10	780.30
4 PVCs	823.95	812.70
5 PVCs	856.80	845.10
6 through 14 PVCs[1]	19.20	18.90
15 through 24 PVCs[2]	9.60	9.45
Each additional PVC over 24[3]	4.95	4.80

**CURRENT MONTHLY RATES**

• Per port with:

	4-YEAR RATE	5-YEAR RATE
1 PVC	\$241.80	\$238.50
2 PVCs	252.75	249.30
3 PVCs	263.70	260.10
4 PVCs	274.65	270.90
5 PVCs	285.60	281.70
6 through 14 PVCs[1]	6.40	6.30
15 through 24 PVCs[2]	3.20	3.15
Each additional PVC over 24[3]	1.65	1.60

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
e. 448 or 512 kbps - UNIT			
• Per port with:			
1 PVC	\$715.50	\$715.50	
2 PVCs	747.90	747.90	
3 PVCs	780.30	780.30	
4 PVCs	812.70	812.70	
5 PVCs	845.10	845.10	
6 through 14 PVCs[1]	18.90	18.90	
15 through 24 PVCs[2]	9.45	9.45	
Each additional PVC over 24[3]	4.80	4.80	
	<b>CURRENT MONTHLY RATES</b>		
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
• Per port with:			
1 PVC	\$238.50	\$238.50	
2 PVCs	249.30	249.30	
3 PVCs	260.10	260.10	
4 PVCs	270.90	270.90	
5 PVCs	281.70	281.70	
6 through 14 PVCs[1]	6.30	6.30	
15 through 24 PVCs[2]	3.15	3.15	
Each additional PVC over 24[3]	1.60	1.60	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

f. 672 or 768 kbps - UNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$1,005.00	\$ 954.75
2 PVCs	1,065.00	1,011.75
3 PVCs	1,125.00	1,068.75
4 PVCs	1,185.00	1,125.75
5 PVCs	1,245.00	1,182.75
6 through 14 PVCs[2]	31.05	29.55
15 through 24 PVCs[3]	19.05	18.15
Each additional PVC over 24[4]	17TJM 9.45	9.00

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.f. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$335.00	\$318.25
2 PVCs	355.00	337.25
3 PVCs	375.00	356.25
4 PVCs	395.00	375.25
5 PVCs	415.00	394.25
6 through 14 PVCs[1]	10.35	9.85
15 through 24 PVCs[2]	6.35	6.05
Each additional PVC over 24[3]	3.15	3.00

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	2-YEAR	3-YEAR	
	RATE	RATE	
f. 672 or 768 kbps - UNIT			
• Per port with:			
1 PVC	\$ 942.15	\$ 929.70	
2 PVCs	998.40	985.20	
3 PVCs	1,054.65	1,040.70	
4 PVCs	1,110.90	1,096.20	
5 PVCs	1,167.15	1,151.70	
6 through 14 PVCs[1]	29.10	28.65	
15 through 24 PVCs[2]	17.85	17.55	
Each additional PVC			
over 24[3]	8.85	8.70	
CURRENT MONTHLY RATES			
	2-YEAR	3-YEAR	
	RATE	RATE	
• Per port with:			
1 PVC	\$314.05	\$309.90	
2 PVCs	332.80	328.40	
3 PVCs	351.55	346.90	
4 PVCs	370.30	365.40	
5 PVCs	389.05	383.90	
6 through 14 PVCs[1]	9.70	9.55	
15 through 24 PVCs[2]	5.95	5.85	
Each additional PVC			
over 24[3]	2.95	2.90	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	4-YEAR	5-YEAR	
	RATE	RATE	
f. 672 or 768 kbps - UNIT			
• Per port with:			
1 PVC	\$ 917.10	\$ 904.50	
2 PVCs	971.85	958.50	
3 PVCs	1,026.60	1,012.50	
4 PVCs	1,081.35	1,066.50	
5 PVCs	1,136.10	1,120.50	
6 through 14 PVCs[1]	28.35	27.90	
15 through 24 PVCs[2]	17.40	17.10	
Each additional PVC			
over 24[3]	8.55	8.55	
CURRENT MONTHLY RATES			
	4-YEAR	5-YEAR	
	RATE	RATE	
• Per port with:			
1 PVC	\$305.70	\$301.50	
2 PVCs	323.95	319.50	
3 PVCs	342.20	337.50	
4 PVCs	360.45	355.50	
5 PVCs	378.70	373.50	
6 through 14 PVCs[1]	9.45	9.30	
15 through 24 PVCs[2]	5.80	5.70	
Each additional PVC			
over 24[3]	2.85	2.85	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>		<b>(M)</b>
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
f. 672 or 768 kbps - UNIT			
• Per port with:			
1 PVC	\$ 904.50	\$ 904.50	
2 PVCs	958.50	958.50	
3 PVCs	1,012.50	1,012.50	
4 PVCs	1,066.50	1,066.50	
5 PVCs	1,120.50	1,120.50	
6 through 14 PVCs[1]	27.90	27.90	
15 through 24 PVCs[2]	17.10	17.10	
Each additional PVC over 24[3]	8.55	8.55	
	<b>CURRENT MONTHLY RATES</b>		
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>	
• Per port with:			
1 PVC	\$301.50	\$301.50	
2 PVCs	319.50	319.50	
3 PVCs	337.50	337.50	
4 PVCs	355.50	355.50	
5 PVCs	373.50	373.50	
6 through 14 PVCs[1]	9.30	9.30	
15 through 24 PVCs[2]	5.70	5.70	
Each additional PVC over 24[3]	2.85	2.85	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

C.1. (Cont'd)

g. 1.544 Mbps - UNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	40.00	20.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$ 795.00	\$ 755.25
2 PVCs	1,005.00	954.75
3 PVCs	1,215.00	1,154.25
4 PVCs	1,425.00	1,353.75
5 PVCs	1,635.00	1,553.25
6 through 14 PVCs[2]	78.00	74.10
15 through 24 PVCs[3]	20.25	19.20
Each additional PVC over 24[4]	10.65	10.05

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.g. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$265.00	\$251.75
2 PVCs	335.00	318.25
3 PVCs	405.00	384.75
4 PVCs	475.00	451.25
5 PVCs	545.00	517.75
6 through 14 PVCs[1]	26.00	24.70
15 through 24 PVCs[2]	6.75	6.40
Each additional PVC over 24[3]	3.55	3.35

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	2-YEAR RATE	3-YEAR RATE	
g. 1.544 Mbps - UNIT			
• Per port with:			
1 PVC	\$ 745.35	\$ 735.45	
2 PVCs	942.15	929.70	
3 PVCs	1,139.10	1,123.95	
4 PVCs	1,335.90	1,318.20	
5 PVCs	1,532.85	1,512.45	
6 through 14 PVCs[1]	73.20	72.15	
15 through 24 PVCs[2]	19.05	18.75	
Each additional PVC over 24[3]	10.05	9.90	
CURRENT MONTHLY RATES			
	2-YEAR RATE	3-YEAR RATE	
• Per port with:			
1 PVC	\$248.45	\$245.15	
2 PVCs	314.05	309.90	
3 PVCs	379.70	374.65	
4 PVCs	445.30	439.40	
5 PVCs	510.95	504.15	
6 through 14 PVCs[1]	24.40	24.05	
15 through 24 PVCs[2]	6.35	6.25	
Each additional PVC over 24[3]	3.35	3.30	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	4-YEAR RATE	5-YEAR RATE	
g. 1.544 Mbps - UNIT			
• Per port with:			
1 PVC	\$ 725.40	\$ 715.50	
2 PVCs	917.10	904.50	
3 PVCs	1,108.65	1,093.50	
4 PVCs	1,300.35	1,282.50	
5 PVCs	1,491.90	1,471.50	
6 through 14 PVCs[1]	71.25	70.20	
15 through 24 PVCs[2]	18.45	18.30	
Each additional PVC over 24[3]	9.75	9.60	
CURRENT MONTHLY RATES			
	4-YEAR RATE	5-YEAR RATE	
• Per port with:			
1 PVC	\$241.80	\$238.50	
2 PVCs	305.70	301.50	
3 PVCs	369.55	364.50	
4 PVCs	433.45	427.50	
5 PVCs	497.30	490.50	
6 through 14 PVCs[1]	23.75	23.40	
15 through 24 PVCs[2]	6.15	6.10	
Each additional PVC over 24[3]	3.25	3.20	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	4-YEAR RATE	5-YEAR RATE	
g. 1.544 Mbps - UNIT			
• Per port with:			
1 PVC	\$ 715.50	\$715.50	
2 PVCs	904.50	904.50	
3 PVCs	1,093.50	1,093.50	
4 PVCs	1,282.50	1,282.50	
5 PVCs	1,471.50	1,471.50	
6 through 14 PVCs[1]	70.20	70.20	
15 through 24 PVCs[2]	18.30	18.30	
Each additional PVC over 24[3]	9.60	9.60	
CURRENT MONTHLY RATES			
	4-YEAR RATE	5-YEAR RATE	
• Per port with:			
1 PVC	\$238.50	\$238.50	
2 PVCs	301.50	301.50	
3 PVCs	364.50	364.50	
4 PVCs	427.50	427.50	
5 PVCs	490.50	490.50	
6 through 14 PVCs[1]	23.40	23.40	
15 through 24 PVCs[2]	6.10	6.10	
Each additional PVC over 24[3]	3.20	3.20	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

h. 44.736 Mbps - UNIT

(M)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• First PVC	\$500.00	\$250.00
• Each additional PVC	100.00	50.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	<b>MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE</b>	<b>1-YEAR RATE</b>
• Per port with:		
1 PVC	\$12,000.00	\$11,400.00
2 through 50 PVCs[2]	135.00	128.25
51 through 140 PVCs[3]	60.00	57.00
141 through 240 PVCs[4]	45.00	42.75
241 through 500 PVCs[5]	30.00	28.50

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.

[3] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.

[4] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.

[5] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1.h. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$4,000.00	\$3,800.00
2 through 50 PVCs[1]	45.00	42.75
51 through 140 PVCs[2]	20.00	19.00
141 through 240 PVCs[3]	15.00	14.25
241 through 500 PVCs[4]	10.00	9.50

[1] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.

[2] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.

[3] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.

[4] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	2-YEAR RATE	3-YEAR RATE	
h. 44.736 Mbps - UNIT			
• Per port with:			
1 PVC	\$11,250.00	\$11,100.00	
2 through 50 PVCs[1]	126.57	124.89	
51 through 140 PVCs[2]	56.25	55.50	
141 through 240 PVCs[3]	42.18	41.64	
241 through 500 PVCs[4]	28.14	27.75	
CURRENT MONTHLY RATES			
	2-YEAR RATE	3-YEAR RATE	
• Per port with:			
1 PVC	\$3,750.00	\$3,700.00	
2 through 50 PVCs[1]	42.19	41.63	
51 through 140 PVCs[2]	18.75	18.50	
141 through 240 PVCs[3]	14.06	13.88	
241 through 500 PVCs[4]	9.38	9.25	

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

			MAXIMUM MONTHLY RATES		(M)	
			4-YEAR	5-YEAR		
			RATE	RATE		
h. 44.736 Mbps - UNIT						
• Per port with:						
1 PVC	\$10,950.00	\$10,800.00				
2 through 50 PVCs[1]	123.18	121.50				
51 through 140 PVCs[2]	54.75	54.00				
141 through 240 PVCs[3]	41.07	40.50				
241 through 500 PVCs[4]	27.39	27.00				
			CURRENT MONTHLY RATES			
			4-YEAR	5-YEAR		
			RATE	RATE		
• Per port with:						
1 PVC	\$3,650.00	\$3,600.00				
2 through 50 PVCs[1]	41.06	40.50				
51 through 140 PVCs[2]	18.25	18.00				
141 through 240 PVCs[3]	13.69	13.50				
241 through 500 PVCs[4]	9.13	9.00				

[1] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.

[2] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.

[3] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.

[4] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

C.1. (Cont'd)

MAXIMUM MONTHLY RATES			(M)
	6-YEAR RATE	7-YEAR RATE	
h. 44.736 Mbps - UNIT			
• Per port with:			
1 PVC	\$10,800.00	\$10,800.00	
2 through 50 PVCs[1]	121.50	121.50	
51 through 140 PVCs[2]	54.00	54.00	
141 through 240 PVCs[3]	40.50	40.50	
241 through 500 PVCs[4]	27.00	27.00	
CURRENT MONTHLY RATES			
	6-YEAR RATE	7-YEAR RATE	
• Per port with:			
1 PVC	\$3,600.00	\$3,600.00	
2 through 50 PVCs[1]	40.50	40.50	
51 through 140 PVCs[2]	18.00	18.00	
141 through 240 PVCs[3]	13.50	13.50	
241 through 500 PVCs[4]	9.00	9.00	

[1] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.

[2] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.

[3] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.

[4] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL (Cont'd)**

D. Network-to-Network Information Transfer (NNIT)

(M)

1. 56 or 64 kbps - NNIT

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	40.00	20.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	<b>MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE</b>	<b>1-YEAR RATE</b>
• Per port with:		
1 PVC	\$146.46	\$139.14
2 PVCs	209.97	199.47
3 PVCs	273.51	259.83
4 PVCs	324.75	308.52
5 PVCs	369.84	351.36
6 through 14 PVCs[2]	3.87	3.69
15 through 24 PVCs[3]	0.78	0.75
Each additional PVC over 24[4]	0.27	0.27

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D. Network-to-Network Information Transfer (NNIT)

1. 56 or 64 kbps - NNIT (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$ 48.82	\$ 46.38
2 PVCs	69.99	66.49
3 PVCs	91.17	86.61
4 PVCs	108.25	102.84
5 PVCs	123.28	117.12
6 through 14 PVCs[1]	1.29	1.23
15 through 24 PVCs[2]	0.26	0.25
Each additional PVC over 24[3]	0.09	0.09

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.1. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

(M)

56 or 64 kbps - NNIT

• Per port with:

1 PVC	\$137.31	\$135.48
2 PVCs	196.86	194.22
3 PVCs	256.41	252.99
4 PVCs	304.44	300.39
5 PVCs	346.74	342.09
6 through 14 PVCs[1]	3.63	3.57
15 through 24 PVCs[2]	0.72	0.72
Each additional PVC over 24[3]	0.24	0.24

**CURRENT MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$ 45.77	\$ 45.16
2 PVCs	65.62	64.74
3 PVCs	85.47	84.33
4 PVCs	101.48	100.13
5 PVCs	115.58	114.03
6 through 14 PVCs[1]	1.21	1.19
15 through 24 PVCs[2]	0.24	0.24
Each additional PVC over 24[3]	0.08	0.08

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.1. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

(M)

56 or 64 kbps - NNIT

• Per port with:

1 PVC	\$133.65	\$131.82
2 PVCs	191.61	188.97
3 PVCs	249.57	246.15
4 PVCs	296.34	292.29
5 PVCs	337.47	332.85
6 through 14 PVCs[1]	3.54	3.48
15 through 24 PVCs[2]	0.72	0.69
Each additional PVC over 24[3]	0.24	0.24

**CURRENT MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$ 44.55	\$ 43.94
2 PVCs	63.87	62.99
3 PVCs	83.19	82.05
4 PVCs	98.78	97.43
5 PVCs	112.49	110.95
6 through 14 PVCs[1]	1.18	1.16
15 through 24 PVCs[2]	0.24	0.23
Each additional PVC over 24[3]	0.08	0.08

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.1. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

(M)

56 or 64 kbps - NNIT

• Per port with:

1 PVC	\$131.82	\$131.82
2 PVCs	188.97	188.97
3 PVCs	246.15	246.15
4 PVCs	292.29	292.29
5 PVCs	332.85	332.85
6 through 14 PVCs[1]	3.48	3.48
15 through 24 PVCs[2]	0.69	0.69
Each additional PVC over 24[3]	0.24	0.24

**CURRENT MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$ 43.94	\$ 43.94
2 PVCs	62.99	62.99
3 PVCs	82.05	82.05
4 PVCs	97.43	97.43
5 PVCs	110.95	110.95
6 through 14 PVCs[1]	1.16	1.16
15 through 24 PVCs[2]	0.23	0.23
Each additional PVC over 24[3]	0.08	0.08

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### D. Network-to-Network Information Transfer (NNIT) (Cont'd)

##### 2. 112 or 128 kbps - NNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$360.00	\$342.00
2 PVCs	369.00	350.55
3 PVCs	378.00	359.10
4 PVCs	387.00	367.65
5 PVCs	396.00	376.20
6 through 14 PVCs[2]	6.00	5.70
15 through 24 PVCs[3]	2.40	2.25
Each additional PVC		
Over 24[4]	1.05	1.05

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.2. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$120.00	\$114.00
2 PVCs	123.00	116.85
3 PVCs	126.00	119.70
4 PVCs	129.00	122.55
5 PVCs	132.00	125.40
6 through 14 PVCs[1]	2.00	1.90
15 through 24 PVCs[2]	0.80	0.75
Each additional PVC		
Over 24[3]	0.35	0.35

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.2. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
112 or 128 kbps - NNIT		
• Per port with:		
1 PVC	\$337.50	\$333.00
2 PVCs	345.90	341.40
3 PVCs	354.45	349.65
4 PVCs	362.85	358.05
5 PVCs	371.25	366.30
6 through 14 PVCs[1]	5.70	5.55
15 through 24 PVCs[2]	2.25	2.25
Each additional PVC over 24[3]	1.05	1.05

	<b>CURRENT MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
• Per port with:		
1 PVC	\$112.50	\$111.00
2 PVCs	115.30	113.80
3 PVCs	118.15	116.55
4 PVCs	120.95	119.35
5 PVCs	123.75	122.10
6 through 14 PVCs[1]	1.90	1.85
15 through 24 PVCs[2]	0.75	0.75
Each additional PVC over 24[3]	0.35	0.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.2. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

(M)

112 or 128 kbps - NNIT

• Per port with:

1 PVC	\$328.50	\$324.00
2 PVCs	336.75	332.10
3 PVCs	345.00	340.20
4 PVCs	353.10	348.30
5 PVCs	361.35	356.40
6 through 14 PVCs[1]	5.55	5.40
15 through 24 PVCs[2]	2.25	2.10
Each additional PVC over 24[3]	0.90	0.90

**CURRENT MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$109.50	\$108.00
2 PVCs	112.25	110.70
3 PVCs	115.00	113.40
4 PVCs	117.70	116.10
5 PVCs	120.45	118.80
6 through 14 PVCs[1]	1.85	1.80
15 through 24 PVCs[2]	0.75	0.70
Each additional PVC over 24[3]	0.30	0.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.2. (Cont'd)

	MAXIMUM MONTHLY RATES		(M)
	6-YEAR RATE	7-YEAR RATE	
112 or 128 kbps - NNIT			
• Per port with:			
1 PVC	\$324.00	\$324.00	
2 PVCs	332.10	332.10	
3 PVCs	340.20	340.20	
4 PVCs	348.30	348.30	
5 PVCs	356.40	356.40	
6 through 14 PVCs[1]	5.40	5.40	
15 through 24 PVCs[2]	2.10	2.10	
Each additional PVC over 24[3]	0.90	0.90	
CURRENT MONTHLY RATES			
	6-YEAR RATE	7-YEAR RATE	
• Per port with:			
1 PVC	\$108.00	\$108.00	
2 PVCs	110.70	110.70	
3 PVCs	113.40	113.40	
4 PVCs	116.10	116.10	
5 PVCs	118.80	118.80	
6 through 14 PVCs[1]	1.80	1.80	
15 through 24 PVCs[2]	0.70	0.70	
Each additional PVC over 24[3]	0.30	0.30	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

#### D. Network-to-Network Information Transfer (NNIT) (Cont'd)

#### 3. 224 or 256 kbps - NNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$480.00	\$456.00
2 PVCs	498.00	473.10
3 PVCs	516.00	490.20
4 PVCs	534.00	507.30
5 PVCs	552.00	524.40
6 through 14 PVCs[2]	6.75	6.45
15 through 24 PVCs[3]	4.80	4.50
Each additional PVC over 24[4]	0.90	0.90

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.3. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$160.00	\$152.00
2 PVCs	166.00	157.70
3 PVCs	172.00	163.40
4 PVCs	178.00	169.10
5 PVCs	184.00	174.80
6 through 14 PVCs[1]	2.25	2.15
15 through 24 PVCs[2]	1.60	1.50
Each additional PVC over 24[3]	0.30	0.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.3. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

(M)

224 or 256 kbps - NNIT

• Per port with:

1 PVC	\$450.00	\$444.00
2 PVCs	466.95	460.65
3 PVCs	483.75	477.30
4 PVCs	500.70	493.95
5 PVCs	517.50	510.60
6 through 14 PVCs[1]	6.30	6.30
15 through 24 PVCs[2]	4.50	4.50
Each additional PVC over 24[3]	0.90	0.90

**CURRENT MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$150.00	\$148.00
2 PVCs	155.65	153.55
3 PVCs	161.25	159.10
4 PVCs	166.90	164.65
5 PVCs	172.50	170.20
6 through 14 PVCs[1]	2.10	2.10
15 through 24 PVCs[2]	1.50	1.50
Each additional PVC over 24[3]	0.30	0.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.3. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

(M)

224 or 256 kbps - NNIT

• Per port with:

1 PVC	\$438.00	\$432.00
2 PVCs	454.50	448.20
3 PVCs	470.85	464.40
4 PVCs	487.35	480.60
5 PVCs	503.70	496.80
6 through 14 PVCs[1]	6.15	6.15
15 through 24 PVCs[2]	4.35	4.35
Each additional PVC over 24[3]	0.75	0.75

**CURRENT MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$146.00	\$144.00
2 PVCs	151.50	149.40
3 PVCs	156.95	154.80
4 PVCs	162.45	160.20
5 PVCs	167.90	165.60
6 through 14 PVCs[1]	2.05	2.05
15 through 24 PVCs[2]	1.45	1.45
Each additional PVC over 24[3]	0.25	0.25

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.3. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

(M)

224 or 256 kbps - NNIT

• Per port with:

1 PVC	\$432.00	\$432.00
2 PVCs	448.20	448.20
3 PVCs	464.40	464.40
4 PVCs	480.60	480.60
5 PVCs	496.80	496.80
6 through 14 PVCs[1]	6.15	6.15
15 through 24 PVCs[2]	4.35	4.35
Each additional PVC over 24[3]	0.75	0.75

**CURRENT MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$144.00	\$144.00
2 PVCs	149.40	149.40
3 PVCs	154.80	154.80
4 PVCs	160.20	160.20
5 PVCs	165.60	165.60
6 through 14 PVCs[1]	2.05	2.05
15 through 24 PVCs[2]	1.45	1.45
Each additional PVC over 24[3]	0.25	0.25

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### D. Network-to-Network Information Transfer (NNIT) (Cont'd)

##### 4. 336 or 384 kbps - NNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$585.00	\$555.75
2 PVCs	610.50	580.05
3 PVCs	636.00	604.20
4 PVCs	661.50	628.50
5 PVCs	687.00	652.65
6 through 14 PVCs[2]	9.75	9.30
15 through 24 PVCs[3]	7.05	6.75
Each additional PVC over 24[4]	1.50	1.50

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.4. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$195.00	\$185.25
2 PVCs	203.50	193.35
3 PVCs	212.00	201.40
4 PVCs	220.50	209.50
5 PVCs	229.00	217.55
6 through 14 PVCs[1]	3.25	3.10
15 through 24 PVCs[2]	2.35	2.25
Each additional PVC over 24[3]	0.50	0.50

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.4. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

(M)

336 or 384 kbps - NNIT

• Per port with:

1 PVC	\$548.40	\$541.20
2 PVCs	572.40	564.75
3 PVCs	596.25	588.30
4 PVCs	620.10	611.85
5 PVCs	644.10	635.55
6 through 14 PVCs[1]	9.15	9.00
15 through 24 PVCs[2]	6.60	6.45
Each additional PVC over 24[3]	1.35	1.35

**CURRENT MONTHLY RATES**  
**2-YEAR** **3-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$182.80	\$180.40
2 PVCs	190.80	188.25
3 PVCs	198.75	196.10
4 PVCs	206.70	203.95
5 PVCs	214.70	211.85
6 through 14 PVCs[1]	3.05	3.00
15 through 24 PVCs[2]	2.20	2.15
Each additional PVC over 24[3]	0.45	0.45

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.4. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>
336 or 384 kbps - NNIT		
• Per port with:		
1 PVC	\$533.85	\$526.50
2 PVCs	557.10	549.45
3 PVCs	580.35	572.40
4 PVCs	603.60	595.35
5 PVCs	626.85	618.30
6 through 14 PVCs[1]	8.85	8.85
15 through 24 PVCs[2]	6.45	6.30
Each additional PVC over 24[3]	1.35	1.35

	<b>CURRENT MONTHLY RATES</b>	
	<b>4-YEAR RATE</b>	<b>5-YEAR RATE</b>
• Per port with:		
1 PVC	\$177.95	\$175.50
2 PVCs	185.70	183.15
3 PVCs	193.45	190.80
4 PVCs	201.20	198.45
5 PVCs	208.95	206.10
6 through 14 PVCs[1]	2.95	2.95
15 through 24 PVCs[2]	2.15	2.10
Each additional PVC over 24[3]	0.45	0.45

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.4. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>6-YEAR</b>	<b>7-YEAR</b>
	<b>RATE</b>	<b>RATE</b>
336 or 384 kbps - NNIT		
• Per port with:		
1 PVC	\$526.50	\$526.50
2 PVCs	549.45	549.45
3 PVCs	572.40	572.40
4 PVCs	595.35	595.35
5 PVCs	618.30	618.30
6 through 14 PVCs[1]	8.85	8.85
15 through 24 PVCs[2]	6.30	6.30
Each additional PVC over 24[3]	1.35	1.35

	<b>CURRENT MONTHLY RATES</b>	
	<b>6-YEAR</b>	<b>7-YEAR</b>
	<b>RATE</b>	<b>RATE</b>
• Per port with:		
1 PVC	\$175.50	\$175.50
2 PVCs	183.15	183.15
3 PVCs	190.80	190.80
4 PVCs	198.45	198.45
5 PVCs	206.10	206.10
6 through 14 PVCs[1]	2.95	2.95
15 through 24 PVCs[2]	2.10	2.10
Each additional PVC over 24[3]	0.45	0.45

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D. Network-To-Network Information Transfer (NNIT) (Cont'd)

5. 448 or 512 kbps - NNIT

(M)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	<b>MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE</b>	<b>1-YEAR RATE</b>
• Per port with:		
1 PVC	\$705.00	\$669.75
2 PVCs	732.00	695.40
3 PVCs	759.00	721.05
4 PVCs	786.00	746.70
5 PVCs	813.00	772.35
6 through 14 PVCs[2]	13.50	12.90
15 through 24 PVCs[3]	8.25	7.80
Each additional PVC over 24[4]	2.55	2.55

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.5. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$235.00	\$223.25
2 PVCs	244.00	231.80
3 PVCs	253.00	240.35
4 PVCs	262.00	248.90
5 PVCs	271.00	257.45
6 through 14 PVCs[1]	4.50	4.30
15 through 24 PVCs[2]	2.75	2.60
Each additional PVC over 24[3]	0.85	0.80

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.5. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
448 or 512 kbps - NNIT		
• Per port with:		
1 PVC	\$660.90	\$652.20
2 PVCs	686.25	677.10
3 PVCs	711.60	702.15
4 PVCs	736.95	727.05
5 PVCs	762.15	752.10
6 through 14 PVCs[1]	12.60	12.45
15 through 24 PVCs[2]	7.80	7.65
Each additional PVC over 24[3]	2.40	2.40
	<b>CURRENT MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
• Per port with:		
1 PVC	\$220.30	\$217.40
2 PVCs	228.75	225.70
3 PVCs	237.20	234.05
4 PVCs	245.65	242.35
5 PVCs	254.05	250.70
6 through 14 PVCs[1]	4.20	4.15
15 through 24 PVCs[2]	2.60	2.55
Each additional PVC over 24[3]	0.80	0.80

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.5. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

(M)

448 or 512 kbps - NNIT

• Per port with:

1 PVC	\$643.35	\$634.50
2 PVCs	667.95	658.80
3 PVCs	692.55	683.10
4 PVCs	717.30	707.40
5 PVCs	741.90	731.70
6 through 14 PVCs[1]	12.30	12.15
15 through 24 PVCs[2]	7.50	7.50
Each additional PVC over 24[3]	2.40	2.25

**CURRENT MONTHLY RATES**  
**4-YEAR** **5-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$214.45	\$211.50
2 PVCs	222.65	219.60
3 PVCs	230.85	227.70
4 PVCs	239.10	235.80
5 PVCs	247.30	243.90
6 through 14 PVCs[1]	4.10	4.05
15 through 24 PVCs[2]	2.50	2.50
Each additional PVC over 24[3]	0.80	0.75

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.5. (Cont'd)

**MAXIMUM MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

(M)

448 or 512 kbps - NNIT

• Per port with:

1 PVC	\$634.50	\$634.50
2 PVCs	658.80	658.80
3 PVCs	683.10	683.10
4 PVCs	707.40	707.40
5 PVCs	731.70	731.70
6 through 14 PVCs[1]	12.15	12.15
15 through 24 PVCs[2]	7.50	7.50
Each additional PVC over 24[3]	2.25	2.25

**CURRENT MONTHLY RATES**  
**6-YEAR** **7-YEAR**  
**RATE** **RATE**

• Per port with:

1 PVC	\$211.50	\$211.50
2 PVCs	219.60	219.60
3 PVCs	227.70	227.70
4 PVCs	235.80	235.80
5 PVCs	243.90	243.90
6 through 14 PVCs[1]	4.05	4.05
15 through 24 PVCs[2]	2.50	2.50
Each additional PVC over 24[3]	0.75	0.75

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

##### D. Network-to-Network Information Transfer (NNIT) (Cont'd)

##### 6. 672 or 768 kbps - NNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	62.00	31.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$ 915.00	\$869.25
2 PVCs	966.00	917.70
3 PVCs	1,017.00	966.97
4 PVCs	1,068.00	1,014.60
5 PVCs	1,119.00	1,063.05
6 through 14 PVCs[2]	18.75	17.85
15 through 24 PVCs[3]	10.50	10.05
Each additional PVC over 24[4]	4.35	4.20

[1] When appropriate, the "Each Additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC Order Charge".

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.6. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$305.00	\$289.75
2 PVCs	322.00	305.90
3 PVCs	339.00	322.05
4 PVCs	356.00	338.20
5 PVCs	373.00	354.35
6 through 14 PVCs[1]	6.25	5.95
15 through 24 PVCs[2]	3.50	3.35
Each additional PVC over 24[3]	1.45	1.40

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.6. (Cont'd)

	MAXIMUM MONTHLY RATES		(M)
	2-YEAR RATE	3-YEAR RATE	
672 or 768 kbps - NNIT			
• Per port with:			
1 PVC	\$ 857.85	\$ 846.45	
2 PVCs	905.70	893.55	
3 PVCs	953.40	940.80	
4 PVCs	1,001.25	987.90	
5 PVCs	1,049.10	1,035.15	
6 through 14 PVCs[1]	17.55	17.40	
15 through 24 PVCs[2]	9.90	9.75	
Each additional PVC over 24[3]	4.05	4.05	
	CURRENT MONTHLY RATES		
	2-YEAR RATE	3-YEAR RATE	
• Per port with:			
1 PVC	\$285.95	\$282.15	
2 PVCs	301.90	297.85	
3 PVCs	317.80	313.60	
4 PVCs	333.75	329.30	
5 PVCs	349.70	345.05	
6 through 14 PVCs[1]	5.85	5.80	
15 through 24 PVCs[2]	3.30	3.25	
Each additional PVC over 24[3]	1.35	1.35	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.6. (Cont'd)

	MAXIMUM MONTHLY RATES		(M)
	4YEAR RATE	5-YEAR RATE	
672 or 768 kbps - NNIT			
• Per port with:			
1 PVC	\$ 834.90	\$ 823.50	
2 PVCs	881.55	869.40	
3 PVCs	928.05	915.30	
4 PVCs	974.55	961.20	
5 PVCs	1,021.05	1,007.10	
6 through 14 PVCs[1]	17.10	16.95	
15 through 24 PVCs[2]	9.60	9.45	
Each additional PVC over 24[3]	3.90	3.90	
	CURRENT MONTHLY RATES		
	4YEAR RATE	5-YEAR RATE	
• Per port with:			
1 PVC	\$278.30	\$274.50	
2 PVCs	293.85	289.80	
3 PVCs	309.35	305.10	
4 PVCs	324.85	320.40	
5 PVCs	340.35	335.70	
6 through 14 PVCs[1]	5.70	5.65	
15 through 24 PVCs[2]	3.20	3.15	
Each additional PVC over 24[3]	1.30	1.30	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.6. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>
672 or 768 kbps - NNIT		
• Per port with:		
1 PVC	\$ 823.50	\$ 823.50
2 PVCs	869.40	869.40
3 PVCs	915.30	915.30
4 PVCs	961.20	961.20
5 PVCs	1,007.10	1,007.10
6 through 14 PVCs[1]	16.95	16.95
15 through 24 PVCs[2]	9.45	9.45
Each additional PVC over 24[3]	3.90	3.90

	<b>CURRENT MONTHLY RATES</b>	
	<b>6-YEAR RATE</b>	<b>7-YEAR RATE</b>
• Per port with:		
1 PVC	\$274.50	\$274.50
2 PVCs	289.80	289.80
3 PVCs	305.10	305.10
4 PVCs	320.40	320.40
5 PVCs	335.70	335.70
6 through 14 PVCs[1]	5.65	5.65
15 through 24 PVCs[2]	3.15	3.15
Each additional PVC over 24[3]	1.30	1.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES

#### 105.5.1 GENERAL

#### D. Network-to-Network Information Transfer (NNIT) (Cont'd)

#### 7. 1.544 Mbps - NNIT

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
• First PVC	\$ 62.00	\$31.00
• Each additional PVC	40.00	20.00
• Subsequent PVC(s) order charge, per order[1]	150.00	75.00

	MAXIMUM MONTHLY RATES MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$ 705.00	\$ 669.75
2 PVCs	915.00	869.25
3 PVCs	1,125.00	1,068.75
4 PVCs	1,335.00	1,268.25
5 PVCs	1,545.00	1,467.75
6 through 14 PVCs[2]	84.00	79.80
15 through 24 PVCs[3]	16.50	15.75
Each additional PVC over 24[4]	1.05	1.05

[1] When appropriate, the “Each Additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC Order Charge”.

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.7. (Cont'd)

	CURRENT MONTHLY RATES	
	MONTH-TO-MONTH RATE	1-YEAR RATE
• Per port with:		
1 PVC	\$235.00	\$223.25
2 PVCs	305.00	289.75
3 PVCs	375.00	356.25
4 PVCs	445.00	422.75
5 PVCs	515.00	489.25
6 through 14 PVCs[1]	28.00	26.60
15 through 24 PVCs[2]	5.50	5.25
Each additional PVC over 24[3]	0.35	0.35

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

Issued: 9-17-18

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.7. (Cont'd)

	<b>MAXIMUM MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
1.544 Mbps - NNIT		
• Per port with:		
1 PVC	\$ 660.90	\$ 652.20
2 PVCs	857.85	846.45
3 PVCs	1,054.65	1,040.70
4 PVCs	1,251.60	1,234.95
5 PVCs	1,448.40	1,429.20
6 through 14 PVCs[1]	78.75	77.70
15 through 24 PVCs[2]	15.45	15.30
Each additional PVC over 24[3]	1.05	1.05

	<b>CURRENT MONTHLY RATES</b>	
	<b>2-YEAR RATE</b>	<b>3-YEAR RATE</b>
• Per port with:		
1 PVC	\$220.30	\$217.40
2 PVCs	285.95	282.15
3 PVCs	351.55	346.90
4 PVCs	417.20	411.65
5 PVCs	482.80	476.40
6 through 14 PVCs[1]	26.25	25.90
15 through 24 PVCs[2]	5.15	5.10
Each additional PVC over 24[3]	0.35	0.30

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

(M)

(M)

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.7. (Cont'd)

	MAXIMUM MONTHLY RATES		(M)
	4-YEAR RATE	5-YEAR RATE	
1.544 Mbps - NNIT			
• Per port with:			
1 PVC	\$ 643.35	\$ 634.50	
2 PVCs	834.90	823.50	
3 PVCs	1,026.60	1,012.50	
4 PVCs	1,218.15	1,201.50	
5 PVCs	1,409.85	1,390.50	
6 through 14 PVCs[1]	76.65	75.60	
15 through 24 PVCs[2]	15.00	14.85	
Each additional PVC over 24[3]	0.90	0.90	
• Per port with:			
CURRENT MONTHLY RATES			
	4-YEAR RATE	5-YEAR RATE	
1 PVC	\$214.45	\$211.50	
2 PVCs	278.30	274.50	
3 PVCs	342.20	337.50	
4 PVCs	406.05	400.50	
5 PVCs	469.95	463.50	
6 through 14 PVCs[1]	25.55	25.20	
15 through 24 PVCs[2]	5.00	4.95	
Each additional PVC over 24[3]	0.30	0.30	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

D.7. (Cont'd)

	MAXIMUM MONTHLY RATES		(M)
	6-YEAR	7-YEAR	
	RATE	RATE	
1.544 Mbps - NNIT			
• Per port with:			
1 PVC	\$ 634.50	\$ 634.50	
2 PVCs	823.50	823.50	
3 PVCs	1,012.50	1,012.50	
4 PVCs	1,201.50	1,201.50	
5 PVCs	1,390.50	1,390.50	
6 through 14 PVCs[1]	75.60	75.60	
15 through 24 PVCs[2]	14.85	14.85	
Each additional PVC			
over 24[3]	0.90	0.90	
	MAXIMUM MONTHLY RATES		
	6-YEAR	7-YEAR	
	RATE	RATE	
• Per port with:			
1 PVC	\$211.50	\$211.50	
2 PVCs	274.50	274.50	
3 PVCs	337.50	337.50	
4 PVCs	400.50	400.50	
5 PVCs	463.50	463.50	
6 through 14 PVCs[1]	25.20	25.20	
15 through 24 PVCs[2]	4.95	4.95	
Each additional PVC			
over 24[3]	0.30	0.30	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL (Cont'd)**

E. Central Office Connecting Channel (COCC)

(M)

1. FRS Level One COCC (56/64 kbps and 1.544 Mbps)[1]

Per COCC	NONRECURRING CHARGE	
	MAXIMUM	CURRENT
• Month-to-Month	\$50.00	\$25.00
• 1-Year	50.00	25.00
• 2-Year	50.00	25.00
• 3-Year	50.00	25.00
• 4-Year	50.00	25.00
• 5-Year	50.00	25.00
• 6-Year	50.00	25.00
• 7-Year	50.00	25.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
• Month-to-Month	\$1.95	\$0.65
• 1-Year	1.86	0.62
• 2-Year	1.86	0.62
• 3-Year	1.80	0.60
• 4-Year	1.80	0.60
• 5-Year	1.77	0.59
• 6-Year	1.77	0.59
• 7-Year	1.77	0.59

[1] The FRS Level One COCC rate and charge are the same for 56/64 kbps and 1.544 Mbps applications.

(M)

(M) Material moved from Section 5.

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**105. OBSOLETE FRAME RELAY SERVICE**

**105.5 RATES AND CHARGES**

**105.5.1 GENERAL**

E. Central Office Connecting Channel (COCC) (Cont'd)

2. FRS Level Two COCC (44.736 Mbps)

(M)

Per COCC	NONRECURRING CHARGE	
	MAXIMUM	CURRENT
• Month-to-Month	\$100.00	\$50.00
• 1-Year	100.00	50.00
• 2-Year	100.00	50.00
• 3-Year	100.00	50.00
• 4-Year	100.00	50.00
• 5-Year	100.00	50.00
• 6-Year	100.00	50.00
• 7-Year	100.00	50.00

	MAXIMUM	
	MONTHLY RATE	CURRENT MONTHLY RATE
• Month-to-Month	\$30.00	\$10.00
• 1-Year	28.50	9.50
• 2-Year	28.14	9.38
• 3-Year	27.75	9.25
• 4-Year	27.39	9.13
• 5-Year	27.00	9.00
• 6-Year	27.00	9.00
• 7-Year	27.00	9.00

(M)

(M) Material moved from Section 5.

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## 105. OBSOLETE FRAME RELAY SERVICE

### 105.5 RATES AND CHARGES (Cont'd)

#### 105.5.2 OPTIONAL FEATURES AND FUNCTIONS

(T-M)

##### A. Customer Network Management

(M)

	NONRECURRING CHARGE	
	MAXIMUM	CURRENT
Per Customer Workstation Access		
• Month-to-Month	\$28.00	\$14.00
• 1-Year	28.00	14.00
• 2-Year	28.00	14.00
• 3-Year	28.00	14.00
• 4-Year	28.00	14.00
• 5-Year	28.00	14.00
• 6-Year	28.00	14.00
• 7-Year	28.00	14.00
	MAXIMUM	CURRENT
	MONTHLY	MONTHLY
	RATE	RATE
• Month-to-Month	\$201.00	\$67.00
• 1-Year	190.95	63.65
• 2-Year	188.43	62.81
• 3-Year	185.94	61.98
• 4-Year	183.42	61.14
• 5-Year	180.90	60.30
• 6-Year	180.90	60.30
• 7-Year	180.90	60.30

##### B. Subsequent Customer Network Management Order

	NONRECURRING CHARGE	
	MAXIMUM	CURRENT
• Per subsequent CNM order on existing service	\$70.00	\$35.00

(M)

(M) Material moved from Section 5.

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 6**  
Index Page 1  
Release 1

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**6. RESERVED FOR FUTURE USE**

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 7**  
Index Page 1  
Release 2[1]

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**7. RESERVED FOR FUTURE USE**

(T)

[1] This page cancels Section 7 of the Tariff and moves it to Section 107.

(N)

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**107. OBSOLETE ATM SERVICE**

<b>SUBJECT</b>	<b>PAGE</b>	
Description		(M)
General.....	1	(T)
Service Elements.....	3	(T)
General Terms and Conditions .....	11	(M)
Obligations of the Customer .....	11	(M)
Rate and Charges		(T)
General.....	14	(M)
Rate Elements		
General.....	12	
Rate Regulations .....	11	(M)

(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

(T-M)

#### **107.1.1 GENERAL**

(T-M)

Effective October 28, 2018, CenturyLink's ATM Service will no longer be available to new customers nor will new orders from existing customers be accepted (except to the extent permitted by term discount plan/contract).

(N)

Existing customers of this service will be grandfathered as follows:

- As of October 28, 2018, month-to-month customers will no longer be able to purchase this service.
- Existing term discount plans/contracts for this service will not be renewed.
- Customers with a term discount plan/contract that expires prior to March 1, 2019 may retain their ATM Service covered by that term discount plan/contract on a month-to-month basis until March 1, 2019.
- Customers with a term discount plan/contract that expires after March 1, 2019 may retain their ATM Service covered by that term discount plan/contract until the expiration of the term discount plan/contract. If a customer is currently under a term discount plan/contract and wishes to move to another service, cancellation charges will not apply.

(N)

ATM Service is a connection-oriented communications service that uses Asynchronous Transfer Mode (ATM) technology. The service provides customers with high-speed, low-delay information transfer capacity, which supports applications that require near-real-time mixed media (data, video, image, voice) communications among multiple locations. ATM Service supports transmission speeds of up to 1.544 Mbps, 45 Mbps, 155 Mbps and 622 Mbps.

(M)

ATM Service offers Inverse Multiplexing over ATM (IMA). This allows a bandwidth option between DS1 (1.544 Mbps) and DS3 (45 Mbps) levels. IMA utilizes 2 to 8 DS1s and bundles them together to create a solid bandwidth increment of 3 Mbps, 4.6 Mbps, 6.1 Mbps, 7.7 Mbps, 9.2 Mbps, 10.7 Mbps or 12.3 Mbps. IMA is available over the following Service Classes Constant Bit Rate (CBR), Variable Bit Rate – non-real time (VBR-nrt) and Unspecified Bit Rate (UBR).

(M)

(D)

(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION (GRANDFATHERED 2018)**

#### **107.1.1 GENERAL (Cont'd)**

ATM Service requires the use of customer terminal equipment that functions as a multiplexer/router/hub or ATM switch. This terminal equipment must be purchased separately from the ATM Service and must conform to standards set forth in technical publications listed in this document under Reference to Technical Publications. The terminal equipment accumulates customer traffic and puts it into a format suitable for transmission over the ATM Service Network.

ATM Service conforms to standards set forth in technical publications listed in this document under Reference to Technical Publications and is only provided over fiber optic facilities.

A customer may request that the facilities used to provide ATM Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Diversity) are set forth in the Competitive Private Line Transport Services Tariff, Section 4.

ATM connectivity between two separate LSS networks and/or between LSS and ATM Service locations can be used for LSS provisioning. The connection between the LSS/LSS or LSS/ ATM Service locations can be an ATM Service virtual channel connection (VCC). VCCs for the LSS/LSS or LSS to ATM Service option are only available as Unspecified Bit Rate (UBR) for Monthly or fixed period service rate plans of 12, 36 and 60 Months.

Interworking PVC (IPVC) is an available option that creates a connection between the ATM and Frame Relay Networks. Frame Relay to ATM interworking allows customers to complement the high-bandwidth transport capabilities of ATM with Frame Relay in order to provide a seamless transition to a single or multi-service network.

(M)

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(D)

(M) Material moved from Section 7.

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## 107. OBSOLETE ATM SERVICE

### 107.1 DESCRIPTION (Cont'd)

#### 107.1.2 SERVICE ELEMENTS

(T-M)

##### A. Network Interface

(M)

The network interface is the point at which a customer's data transmissions first enter the network supporting ATM Service. It is the point of interconnection between Company communication facilities and customer terminal equipment.

##### B. ATM Access Links

###### 1. DS1 Access Link

An ATM DS1 Access Link provides DS1 physical access to the ATM Service Network, connecting customer facilities at the User-Network Interface (UNI) over DS1 Private Line Transport facilities. The transport facilities transfer information through the network over logical connections at speeds selected by the customer.

###### 2. IMA Access Link

An IMA Access Link utilizes 2 to 8 DS1s bundled for physical access to the ATM Service Network, connecting customer facilities at the User-Network Interface (UNI) over DS1 Private Line Transport facilities. The transport facilities transfer information through the network over logical connections at speeds selected by the customer.

###### 3. Optical Access Link (OAL)

An ATM Service Optical Access Link provides access to the ATM Service Network, connecting customer facilities at the network interface with a corresponding ATM Service Cell Transfer element. An ATM Service Optical Access Link is only available at ATM Service Service Points. In lieu of an Optical Access Link, a Private Line Transport Service DS1 Channel Termination (CT) with Clear Channel Capability, as set forth in Section 5 of the Competitive Private Line Transport Services Tariff, is used to provide access to a 1.544 Mbps Cell Transfer. The DS1 CT provides access to the Company ATM Service Network switch via a connection between customer facilities at the network interface and a Cell Transfer service element. At the customer's option, an ATM Service Optical Access Link may be ordered with 45 or 155 Mbps OAL Protection.

(M)

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(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.1 DESCRIPTION**

**107.1.2 SERVICE ELEMENTS**

B. ATM Access Links (Cont'd)

4. Stand-Alone Optical Access Link (SAOAL)

An ATM Service Stand-Alone Optical Access Link connects customer facilities to networks provided by service providers other than the Company. Private line transport mileage and/or a Central Office Connecting Channel (COCC) may be required in conjunction with a Stand-Alone Optical Access Link in order to connect the customer's serving wire center, or node, with the serving wire center, or node of another ATM Service provider. At the customer's option, a Stand-Alone Optical Access Link may be ordered with 45 or 155 Mbps OAL Protection.

(M)

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(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

#### **107.1.2 SERVICE ELEMENTS) (Cont'd)**

##### **C. ATM and IMA Ports**

ATM and IMA ports are the physical entry points into the ATM Service Network for Optical Access Links or other compatible private line facilities, such as DS3 Service. They are the originating and terminating points for Virtual Path Connections and Virtual Channel Connections. Ports include the electronic equipment used in connecting these service elements to the ATM Service Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 1.544 Mbps, 3 Mbps, 4.6 Mbps, 6.1 Mbps, 7.7 Mbps, 9.2 Mbps, 10.7 Mbps, 12.3 Mbps, 45 Mbps, 155 Mbps or 622 Mbps.

##### **D. Service Points**

Service Points are geographic locations designated by the Company where the ATM Service Network can be accessed and where ATM Service Network ports are located. The ATM Service Service Points are listed in the National Exchange Carrier Association FCC Tariff No. 4.

##### **E. Logical Connections**

ATM Service logical connections function as bidirectional Permanent Virtual Connections (PVCs). ATM Service supports a point-to-point logical connection configuration between two ports. Logical Connections (PVCs) may be any of five Service Classes: Constant Bit Rate (CBR), Variable Bit Rate – real time (VBR-rt) and Variable Bit Rate – non-real time (VBR-nrt), Available Bit Rate (ABR) or Unspecified Bit Rate (UBR).

##### **1. Virtual Channel Connections (VCC)**

A VCC is a logical connection from one ATM Service Port to another ATM Service Port within the ATM Network.

VCCs are available with all Service Classes at selected Cell Transfer speed(s) depending on the customer's networking requirements which include appropriate overheads.

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(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

#### **107.1.2 SERVICE ELEMENTS**

##### **E. Logical Connections (Cont'd)**

##### **2. Virtual Path Connections (VPC)**

A VPC is a collection of VCCs routed together as one unit, for which the customer has the ability to manage the speeds of the individual VCCs within the customer-designated Cell Transfer element.

VPCs are available as Constant Bit Rate (CBR), Variable Bit Rate – real time (VBR-rt), Variable Bit Rate – non-real time (VBR-nrt), at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements.

3. Logical connections are available at base speeds (64 kbps, 75 kbps, 1 Mbps or 1.787 Mbps) determined by the speed of the ATM and IMA Ports and the Service Classes selected (1.544 Mbps, 3 Mbps, 4.6 Mbps, 6.1 Mbps, 7.7 Mbps, 9.2 Mbps, 10.7 Mbps, 12.3 Mbps, 45 Mbps, 155 Mbps or 622 Mbps). The customer selects a base speed for each VCC or VPC they purchase which includes appropriate overheads. The bandwidth for each VCC or VPC is determined by multiplying the base speed by the number of increments of the base speed selected by the customer, 64 kbps is available up to 1.544 Mbps only. Technical Specifications for ATM Service are delineated in Qwest Corporation Technical Publication PUB 77378.

Logical connections are available at the following incremental base speeds:

##### **CELL TRANSFER RATES OF SPEED:**

- Constant Bit Rate (CBR)
  - 64 kbps
  - 75 kbps
  - 1 Mbps
  - 1.787 Mbps
- Variable Bit Rate – real time (VBR-rt), Variable Bit Rate – non-real time (VBR-nrt), and Available Bit Rate (ABR) and Unspecified Bit Rate (UBR)
  - 64 kbps
  - 1 Mbps

(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

#### **107.1.2 SERVICE ELEMENTS**

##### **E.3. (Cont'd)**

A customer may select multiple logical connections of different service classes on an ATM Service Port. The maximum speed of a single logical connection may not exceed 40.7 Mbps on a 45 Mbps port, 149 Mbps on a 155 Mbps port, or 149 Mbps on a 622 Mbps port.

(M)

##### **F. Service Classes**

ATM Service logical connections are provided as Constant Bit Rate (CBR), Variable Bit Rate – real time (VBR-rt), Variable Bit Rate – non-real time (VBR-nrt), Available Bit Rate (ABR) or Unspecified Bit Rate (UBR).

- **Constant Bit Rate (CBR)**

CBR supports a constant flow of information (Constant Bit Rate traffic). The Peak Cell Rate is the customer-selected upper limit for cell traffic on a logical connection, which includes appropriate overheads. When cells exceed the Peak Cell Rate for CBR logical connections, the cells are discarded upon entry into the ATM Service Network. The Peak Cell Rate of a CBR logical connection must be less than the speed of the associated port.

- **Variable Bit Rate – real time (VBR-rt)**

Supports bursty data traffic, with average and peak traffic parameters (e.g. voice and video applications). The VBR-rt is described by values representing a Sustained Cell Rate (SCR) and Peak Cell Rate (PCR). The SCR is the maximum average cell transmission rate on a given VCC. It allows the network to allocate sufficient network resources to guarantee network performance objectives. The SCR applies only to VBR traffic. The PCR is the maximum cell transmission rate (cells per second) per VCC. Maximum Burst Size (MBS) is used to define the maximum number of cells that can be sent at the PCR on an SCR connection at one time.

(M)

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(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

#### **107.1.2 SERVICE ELEMENTS**

##### **F. Service Classes (Cont'd)**

- Variable Bit Rate – non real time (VBR-nrt)

(M)

Supports bursty data traffic, with average and peak traffic parameters, which is transported immediately (e.g. LAN and video applications). The VBR-rt is described by values representing a Sustained Cell Rate (SCR) and Peak Cell Rate (PCR). The SCR is the maximum average cell transmission rate on a given VCC. It allows the network to allocate sufficient network resources to guarantee network performance objectives. The SCR applies only to VBR traffic. The PCR is the maximum cell transmission rate (cells per second) per VCC. Maximum Burst Size (MBS) is used to define the maximum number of cells that can be sent at the PCR on an SCR connection at one time.

The Maximum Burst Size (MBS) is the maximum number of cells that can be sent at the peak cell rate on a Variable Bit Rate – real time (VBR-rt) or Variable Bit Rate – non real time (VBR-nrt) connection at one time. Sending a burst at MBS will require the connection to reduce its data rate below the sustained cell rate for a fixed period of time before the next burst can be sent. The maximum burst size levels available are:

- 100 Cells
- 200 Cells

The 100 cell burst size will be assigned unless the customer requests 200 cell burst.

- Available Bit Rate (ABR)

ATM layer transfer characteristics provided by the network may change subsequent to connection establishment, suitable for bursty data applications. A Minimum Cell Rate (MCR) and PCR will be applied to facilitate the bandwidth management based on a feedback mechanism.

(M)

(D)

(M) Material moved from Section 7.

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## 107. OBSOLETE ATM SERVICE

### 107.1 DESCRIPTION

#### 107.1.2 SERVICE ELEMENTS

##### F. Service Classes (Cont'd)

- Unspecified Bit Rate (UBR)

UBR is a best-effort service designed to support a connection carrying information at variable rates, over VCCs. The UBR does not provide traffic related service guarantees, specifically, per-connection bandwidth, cell loss, cell transfer delay and cell delay variation. The Peak Cell Rate, which includes appropriate overheads, is the customer-selected, upper limit of cell traffic on a logical connection. The Peak Cell Rate specifies the highest cell rate that will be allowed on a connection, but not guaranteed. When cells exceed the Peak Cell Rate for UBR logical connections, the cells are discarded upon entry into the ATM Network. The Peak Cell Rate of a UBR logical connection may equal, but not exceed, the speed of the associated port.

##### G. Cell Transfer

The Cell Transfer service element transfers information between Network Interfaces connected to the ATM Service network at speed(s) selected by the customer for VCCs or VPCs. The customer must designate whether the Cell Transfer for each logical connection is CBR, VBR-rt, VBR-nrt, ABR or UBR.

The total speed of Cell Transfer elements on a customer's ATM Service configuration may not exceed the associated Cell Transfer port speed (1.544 Mbps, 45 Mbps, 155 Mbps or 622 Mbps).

(M)

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(D)

(M) Material moved from Section 7.

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## **107. OBSOLETE ATM SERVICE**

### **107.1 DESCRIPTION**

#### **107.1.2 SERVICE ELEMENTS (Cont'd)**

##### **H. Central Office Connecting Channel (COCC)**

A COCC provides the ongoing interconnection from the multiplexer or other Company facility port to an ATM Service port when a customer accesses ATM Service via a private line transport facility which requires multiplexing to be compatible with ATM Service transmission speeds or requires port-to-port connectivity. A COCC may be used to connect a Stand Alone Optical Access Link to a private line transport facility. The COCC provides connectivity up to 1.544 Mbps, up to 45 Mbps, up to 155 Mbps or up to 622 Mbps. The customer must designate whether the Cell Transfer for each logical connection is CBR, VBR-rt, VBR-nrt, ABR or UBR.

##### **I. 45 or 155 Mbps OAL Protection Option**

45 or 155 Mbps OAL Protection provides added reliability to ATM Service transported over fiber optic facilities. This feature provides a separate facility path within the same conduit, cable, sheath, etc. for the protection system between the Serving Wire Center and the network interface. The 45 or 155 Mbps OAL Protection does not provide for diverse facilities into the building. A customer may request that the facilities used to provide ATM Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Diversity) are set forth in the Competitive Private Line Transport Services Tariff, Section 4.

This added protection is provided by ensuring that backup electronics and two logically separate facility paths are used in the provisioning of the service. One primary (or working) service path is established between the Serving Wire Center and the customer designated premises. In addition, a protect path is provisioned between the customer designated premises and the Serving Wire Center. In the event that the working facility or electronics fail, or the service performance becomes impaired; i.e., the bit error rate degenerates to less than or equal to 10 to the minus 6, the facility automatically switches to the service protect path in order to maintain a near continuous flow of information between locations.

The offering of 45 or 155 Mbps OAL Protection contemplates the use of existing facilities. Facilities requiring Special Construction will be provided as set forth in Section 3.

(M) Material moved from Section 7.

(M)

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(D)

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## 107. OBSOLETE ATM SERVICE

### 107.2 GENERAL TERMS AND CONDITIONS (T-M)

In addition to the regulations in Section 2 and Section 3 of this document, the (M)  
regulations in this section also apply for ATM Service. (M)

#### 107.2.1 OBLIGATIONS OF THE CUSTOMER (T-M)

The customer is responsible for providing compatible terminal equipment (M)  
capable of shaping cell transmissions to the parameters associated with the  
ATM Service classes. (M)

### 107.3 RATE REGULATIONS (T-M)

- A. The initial order for ATM Service must be for a fixed period of one, two, three, (M)  
four or five years, as set forth in 2.4.5. At the end of the initial service period, the  
service may be obtained on a month-to-month basis or for any of the specified  
fixed service periods. Effective January 30, 2002, the six and seven year fixed  
period plans will no longer be available to new customers or for renewal by  
existing customers.
- B. A subsequent order to add ATM Service Optical Access Links and/or logical  
connections to an existing fixed-period service pricing plan must be for a fixed  
period of one, two, three, four, or five years, or for the remainder of the existing  
fixed-period service pricing plan, provided the remainder of the existing plan is at  
least the minimum period for that plan, as set forth in 2.4.3. If the remaining term  
is less than the associated minimum period, the minimum term for the added  
Access Link and/or logical connections shall be the associated minimum period.
- C. ATM Service rate elements may be ordered under any combination of optional  
pricing plans. For example, the customer may order the Access Link under the  
three-year fixed period service pricing plan and the Cell Transfer under the five-  
year fixed period service pricing plan.
- D. A customer may access ATM Service via an Optical Access Link or via Company-  
provided, digital private line services. A customer utilizing private line services to  
access ATM Service does not incur a nonrecurring charge or monthly rate for an  
ATM Service Optical Access Link, but does incur a monthly rate and a  
nonrecurring charge for a Central Office Connecting Channel and all other  
monthly rates and nonrecurring charges normally associated with the ordering, (M)  
installation and provisioning of ATM Service, as set forth in 7.4.

(D)

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## 107. OBSOLETE ATM SERVICE

### 107.4. RATE ELEMENTS

(T-M)

#### 107.4.1 GENERAL

(T-M)

##### A. ATM Access Link

(M)

###### 1. DS1 Access Link

A nonrecurring charge and monthly rate apply per DS1.

###### 2. IMA Access Link

A nonrecurring charge and monthly rate apply per DS1 bundle. When increasing the number of existing Mbps, a subsequent order charge will apply per 1.544 Mbps increment added.

###### 3. Optical Access Link (OAL)

A nonrecurring charge and monthly rate, both based on the speed of the OAL (45 Mbps, 155 Mbps or 622 Mbps), apply per OAL for each physical connection to the ATM Service Network. When a customer accesses a 1.544 Mbps ATM Service via a Private Line Transport Service DS1 Channel Termination (CT) with Clear Channel Capability, rates and charges apply, as set forth in Section 5 of the Competitive Private Line Transport Services Tariff. At the customer's option, an ATM Service Optical Access Link may be ordered with 45 or 155 Mbps OAL Protection.

###### 4. Stand-Alone Optical Access Link (SAOAL)

A nonrecurring charge and monthly rate, both based on the speed of the SAOAL (45 Mbps or 155 Mbps), apply per SAOAL. At the customer's option, a Stand-Alone Optical Access Link may be ordered with 45 or 155 Mbps OAL Protection.

##### B. ATM and IMA Ports

A nonrecurring and recurring charge applies per port based on the transmission speed. ATM Port transmission speeds are 1.544 Mbps, 45 Mbps, 155 Mbps and 622 Mbps. IMA Port transmission speeds are 3 Mbps, 4.6 Mbps, 6.1 Mbps, 7.7 Mbps, 9.2 Mbps, 10.7 Mbps and 12.3 Mbps. When increasing the number of existing Mbps associated with an IMA Port, a subsequent order charge will apply per 1.544 Mbps increment added.

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(D)

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## 107. OBSOLETE ATM SERVICE

### 107.4. RATE ELEMENTS

#### 107.4.1 GENERAL (Cont'd)

##### C. Cell Transfer

A nonrecurring charge applies to each logical connection (VCC or VPC) on an ATM Service configuration. A monthly rate applies for the total bandwidth of all logical connections, based on the Service Classes, CBR, VBR-rt, VBR-nrt, ABR or UBR, the number of 64 kbps, 75 kbps 1 Mbps, 1.544 Mbps or 1.787 Mbps increments of bandwidth provided on the connections.

Bandwidth increments of 75 kbps and 1.787 Mbps are only available with the CBR Service Class.

##### D. Central Office Connecting Channel (COCC)

A nonrecurring charge and a monthly rate apply per COCC, per speed of up to 1.544 Mbps, up to 45 Mbps, up to 155 Mbps or up to 622 Mbps. The COCC charges are applicable only if the ATM Access Link is provided by the customer or is provided out of Section 7, preceding or Section 15, following.

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(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

A. DS1 Access Link

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT
1. 1.544 Mbps, per Access Link		
• Month-To-Month	\$1,000.00	\$500.00
• 1-Year	1,000.00	500.00
• 2-Year	1,000.00	500.00
• 3-Year	1,000.00	500.00
• 4-Year	1,000.00	500.00
• 5-Year	1,000.00	500.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
• Month-To-Month	\$414.00	\$138.00
• 1-Year	393.30	131.10
• 2-Year	372.60	124.20
• 3-Year	351.90	117.30
• 4-Year	343.62	114.54
• 5-Year	331.20	110.40

(M)

(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL (Cont'd)**

B. IMA Access Link

1. 3 Mbps, per Access Link

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>
• Month-To-Month	2,000.00	1,000.00
• 1-Year	2,000.00	1,000.00
• 2-Year	2,000.00	1,000.00
• 3-Year	2,000.00	1,000.00
• 4-Year	2,000.00	1,000.00
• 5-Year	2,000.00	1,000.00

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
• Month-To-Month	828.00	276.00
• 1-Year	786.60	262.20
• 2-Year	745.20	248.40
• 3-Year	703.80	234.60
• 4-Year	687.24	229.08
• 5-Year	662.40	220.80

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(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

	<b>NONRECURRING CHARGE</b>		<b>(M)</b>
	<b>MAXIMUM</b>	<b>CURRENT</b>	
2. 4.6 Mbps, per Access Link			
• Month-To-Month	\$3,000.00	\$1,500.00	
• 1-Year	3,000.00	1,500.00	
• 2-Year	3,000.00	1,500.00	
• 3-Year	3,000.00	1,500.00	
• 4-Year	3,000.00	1,500.00	
• 5-Year	3,000.00	1,500.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month	\$1,242.00	\$414.00	
• 1-Year	1,179.90	393.30	
• 2-Year	1,117.80	372.60	
• 3-Year	1,055.70	351.90	
• 4-Year	1,030.86	343.62	
• 5-Year	993.60	331.20	<b>(M)</b>

**(D)**

**(M)** Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
3. 6.1 Mbps, per Access Link			
• Month-To-Month	4,000.00	2,000.00	
• 1-Year	4,000.00	2,000.00	
• 2-Year	4,000.00	2,000.00	
• 3-Year	4,000.00	2,000.00	
• 4-Year	4,000.00	2,000.00	
• 5-Year	4,000.00	2,000.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	1,656.00	552.00	
• 1-Year	1,573.20	524.40	
• 2-Year	1,490.40	496.80	
• 3-Year	1,407.60	469.20	
• 4-Year	1,374.48	458.16	
• 5-Year	1,324.80	441.60	(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
4. 7.7 Mbps, per Access Link			
• Month-To-Month	\$5,000.00	\$2,500.00	
• 1-Year	5,000.00	2,500.00	
• 2-Year	5,000.00	2,500.00	
• 3-Year	5,000.00	2,500.00	
• 4-Year	5,000.00	2,500.00	
• 5-Year	5,000.00	2,500.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	\$2,070.00	\$690.00	
• 1-Year	1,966.50	655.50	
• 2-Year	1,863.00	621.00	
• 3-Year	1,759.50	586.50	
• 4-Year	1,718.10	572.70	
• 5-Year	1,656.00	552.00	(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
5. 9.2 Mbps, per Access Link			
• Month-To-Month	6,000.00	3,000.00	
• 1-Year	6,000.00	3,000.00	
• 2-Year	6,000.00	3,000.00	
• 3-Year	6,000.00	3,000.00	
• 4-Year	6,000.00	3,000.00	
• 5-Year	6,000.00	3,000.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	2,484.00	828.00	
• 1-Year	2,359.80	786.60	
• 2-Year	2,235.60	745.20	
• 3-Year	2,111.40	703.80	
• 4-Year	2,061.72	687.24	
• 5-Year	1,987.20	662.40	(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
6. 10.7 Mbps, per Access Link			
• Month-To-Month	\$7,000.00	\$3,500.00	
• 1-Year	7,000.00	3,500.00	
• 2-Year	7,000.00	3,500.00	
• 3-Year	7,000.00	3,500.00	
• 4-Year	7,000.00	3,500.00	
• 5-Year	7,000.00	3,500.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	\$2,898.00	\$ 966.00	
• 1-Year	2,753.10	917.70	
• 2-Year	2,608.20	869.40	
• 3-Year	2,463.30	821.10	
• 4-Year	2,405.34	801.78	
• 5-Year	2,318.40	772.80	(M)

(D)

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**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

B. IMA Access Link (Cont'd)

		<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
7. 12.3 Mbps, per Access Link				
• Month-To-Month		8,000.00	4,000.00	
• 1-Year		8,000.00	4,000.00	
• 2-Year		8,000.00	4,000.00	
• 3-Year		8,000.00	4,000.00	
• 4-Year		8,000.00	4,000.00	
• 5-Year		8,000.00	4,000.00	
		<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month		3,312.00	1,104.00	
• 1-Year		3,146.40	1,048.80	
• 2-Year		2,980.80	993.60	
• 3-Year		2,815.20	938.40	
• 4-Year		2,748.96	916.32	
• 5-Year		2,649.60	883.20	
	<b>USOC</b>	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	
• Per Subsequent Order for IMA Access Link, per 1.544 Mbps, DS1	NHCBL	\$1,000.00	\$500.00	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL (Cont'd)**

C. Optical Access Link

(M)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CURRENT</b>
1. 45 Mbps, per Access Link		
• Month-To-Month	\$2,000.00	\$1,000.00
• 1-Year	2,000.00	1,000.00
• 2-Year	2,000.00	1,000.00
• 3-Year	2,000.00	1,000.00
• 4-Year	2,000.00	1,000.00
• 5-Year	2,000.00	1,000.00
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
• Month-To-Month	\$2,742.00	\$ 914.00
• 1-Year	2,604.90	868.30
• 2-Year	2,467.80	822.60
• 3-Year	2,330.70	776.90
• 4-Year	2,275.86	758.62
• 5-Year	2,193.60	731.20

(M)

(D)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

C. Optical Access Link (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
2. 45 Mbps optioned with protection, per Access Link			
• Month-To-Month	3,000.00	1,500.00	
• 1-Year	3,000.00	1,500.00	
• 2-Year	3,000.00	1,500.00	
• 3-Year	3,000.00	1,500.00	
• 4-Year	3,000.00	1,500.00	
• 5-Year	3,000.00	1,500.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month	4,950.00	1,650.00	
• 1-Year	4,702.50	1,567.50	
• 2-Year	4,455.00	1,485.00	
• 3-Year	4,207.50	1,402.50	
• 4-Year	4,108.50	1,369.50	
• 5-Year	3,960.00	1,320.00	(M)

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**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

C. Optical Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
3. 155 Mbps, per Access Link			
• Month-To-Month	\$2,000.00	\$1,000.00	
• 1-Year	2,000.00	1,000.00	
• 2-Year	2,000.00	1,000.00	
• 3-Year	2,000.00	1,000.00	
• 4-Year	2,000.00	1,000.00	
• 5-Year	2,000.00	1,000.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	\$ 4,113.00	\$1,371.00	
• 1-Year	3,907.35	1,302.45	
• 2-Year	3,701.70	1,233.90	
• 3-Year	3,496.05	1,165.35	
• 4-Year	3,413.79	1,137.93	
• 5-Year	3,290.40	1,096.80	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

C. Optical Access Link (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
4. 155 Mbps optioned with protection, per Access Link			
• Month-To-Month	3,000.00	1,500.00	
• 1-Year	3,000.00	1,500.00	
• 2-Year	3,000.00	1,500.00	
• 3-Year	3,000.00	1,500.00	
• 4-Year	3,000.00	1,500.00	
• 5-Year	3,000.00	1,500.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month	10,512.00	3,504.00	
• 1-Year	9,986.40	3,328.80	
• 2-Year	9,460.80	3,153.60	
• 3-Year	8,935.20	2,978.40	
• 4-Year	8,724.96	2,908.32	
• 5-Year	8,409.60	2,803.20	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

C. Optical Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
5. 622 Mbps, per Access Link			
• Month-To-Month	\$2,000.00	\$1,000.00	
• 1-Year	2,000.00	1,000.00	
• 2-Year	2,000.00	1,000.00	
• 3-Year	2,000.00	1,000.00	
• 4-Year	2,000.00	1,000.00	
• 5-Year	2,000.00	1,000.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	\$9,459.00	\$3,153.00	
• 1-Year	8,986.05	2,995.35	
• 2-Year	8,513.10	2,837.70	
• 3-Year	8,040.15	2,680.05	
• 4-Year	7,850.97	2,616.99	
• 5-Year	7,567.20	2,522.40	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL (Cont'd)**

D. Stand-Alone Optical Access Link

(M)

	NONRECURRING CHARGE MAXIMUM	CURRENT
1. 45 Mbps, per Access Link		
• Month-To-Month	\$2,000.00	\$1,000.00
• 1-Year	2,000.00	1,000.00
• 2-Year	2,000.00	1,000.00
• 3-Year	2,000.00	1,000.00
• 4-Year	2,000.00	1,000.00
• 5-Year	2,000.00	1,000.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
• Month-To-Month	\$2,742.00	\$ 914.00
• 1-Year	2,604.90	868.30
• 2-Year	2,467.80	822.60
• 3-Year	2,330.70	776.90
• 4-Year	2,275.86	758.62
• 5-Year	2,193.60	731.20

(M)

(D)

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**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

D. Stand-Alone Optical Access Link (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
2. 45 Mbps optioned with protection, per Access Link			
• Month-To-Month	3,000.00	1,500.00	
• 1-Year	3,000.00	1,500.00	
• 2-Year	3,000.00	1,500.00	
• 3-Year	3,000.00	1,500.00	
• 4-Year	3,000.00	1,500.00	
• 5-Year	3,000.00	1,500.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
• Month-To-Month	4,950.00	1,650.00	
• 1-Year	4,702.50	1,567.50	
• 2-Year	4,455.00	1,485.00	
• 3-Year	4,207.50	1,402.50	
• 4-Year	4,108.50	1,369.50	
• 5-Year	3,960.00	1,320.00	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

D. Stand-Alone Optical Access Link (Cont'd)

	<b>NONRECURRING CHARGE</b>		<b>(M)</b>
	<b>MAXIMUM</b>	<b>CURRENT</b>	
3. 155 Mbps, per Access Link			
• Month-To-Month	\$2,000.00	\$1,000.00	
• 1-Year	2,000.00	1,000.00	
• 2-Year	2,000.00	1,000.00	
• 3-Year	2,000.00	1,000.00	
• 4-Year	2,000.00	1,000.00	
• 5-Year	2,000.00	1,000.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month	\$ 4,113.00	\$1,371.00	
• 1-Year	3,907.35	1,302.45	
• 2-Year	3,701.70	1,233.90	
• 3-Year	3,496.05	1,165.35	
• 4-Year	3,413.79	1,137.93	
• 5-Year	3,290.40	1,096.80	<b>(M)</b>

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

D. Stand-Alone Optical Access Link (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
4. 155 Mbps optioned with protection, per Access Link			
• Month-To-Month	3,000.00	1,500.00	
• 1-Year	3,000.00	1,500.00	
• 2-Year	3,000.00	1,500.00	
• 3-Year	3,000.00	1,500.00	
• 4-Year	3,000.00	1,500.00	
• 5-Year	3,000.00	1,500.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
• Month-To-Month	10,512.00	3,504.00	
• 1-Year	9,986.40	3,328.80	
• 2-Year	9,460.80	3,153.60	
• 3-Year	8,935.20	2,978.40	
• 4-Year	8,724.96	2,908.32	
• 5-Year	8,409.60	2,803.20	(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL (Cont'd)**

E. ATM Ports:

	NONRECURRING CHARGE MAXIMUM	CURRENT
1. 1.544 Mbps Fixed Rate, per port		
• Month-To-Month	\$400.00	\$200.00
• 1-Year	400.00	200.00
• 2-Year	400.00	200.00
• 3-Year	400.00	200.00
• 4-Year	400.00	200.00
• 5-Year	400.00	200.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
• Month-To-Month	\$720.00	\$240.00
• 1-Year	684.00	228.00
• 2-Year	648.00	216.00
• 3-Year	612.00	204.00
• 4-Year	597.60	199.20
• 5-Year	576.00	192.00

(M) Material moved from Section 7.

Issued: 9-17-18

Effective: 10-28-18

**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports: (Cont'd)

2. IMA Ports

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT
• 3 Mbps , per port		
- Month-To-Month	\$ 800.00	\$400.00
- 1-Year	800.00	400.00
- 2-Year	800.00	400.00
- 3-Year	800.00	400.00
- 4-Year	800.00	400.00
- 5-Year	800.00	400.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
- Month-To-Month	\$1,440.00	\$480.00
- 1-Year	1,368.00	456.00
- 2-Year	1,296.00	432.00
- 3-Year	1,224.00	408.00
- 4-Year	1,195.20	398.40
- 5-Year	1,152.00	384.00

(M)

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(M) Material moved from Section 7.

Issued: 9-17-18

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
• 4.6 Mbps , per port			
- Month-To-Month	1,200.00	600.00	
- 1-Year	1,200.00	600.00	
- 2-Year	1,200.00	600.00	
- 3-Year	1,200.00	600.00	
- 4-Year	1,200.00	600.00	
- 5-Year	1,200.00	600.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
- Month-To-Month	2,160.00	720.00	
- 1-Year	2,052.00	684.00	
- 2-Year	1,944.00	648.00	
- 3-Year	1,836.00	612.00	
- 4-Year	1,792.80	597.60	
- 5-Year	1,728.00	576.00	(M)

(M) Material moved from Section 7.

Issued: 9-17-18

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• 6.1 Mbps , per port			
- Month-To-Month	\$1,600.00	\$ 800.00	
- 1-Year	1,600.00	800.00	
- 2-Year	1,600.00	800.00	
- 3-Year	1,600.00	800.00	
- 4-Year	1,600.00	800.00	
- 5-Year	1,600.00	800.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	\$2,880.00	\$ 960.00	
- 1-Year	2,736.00	912.00	
- 2-Year	2,592.00	864.00	
- 3-Year	2,448.00	816.00	
- 4-Year	2,390.40	796.80	
- 5-Year	2,304.00	768.00	(M)

(M) Material moved from Section 7.

Issued: 9-17-18

Effective: 10-28-18

**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• 7.7 Mbps , per port			
- Month-To-Month	2,000.00	1,000.00	
- 1-Year	2,000.00	1,000.00	
- 2-Year	2,000.00	1,000.00	
- 3-Year	2,000.00	1,000.00	
- 4-Year	2,000.00	1,000.00	
- 5-Year	2,000.00	1,000.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	3,600.00	1,200.00	
- 1-Year	3,420.00	1,140.00	
- 2-Year	3,240.00	1,080.00	
- 3-Year	3,060.00	1,020.00	
- 4-Year	2,988.00	996.00	
- 5-Year	2,880.00	960.00	(M)

(M) Material moved from Section 7.

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Effective: 10-28-18

**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	NONRECURRING CHARGE MAXIMUM	CHARGE CURRENT	(M)
• 9.2 Mbps , per port			
- Month-To-Month	\$2,400.00	\$1,200.00	
- 1-Year	2,400.00	1,200.00	
- 2-Year	2,400.00	1,200.00	
- 3-Year	2,400.00	1,200.00	
- 4-Year	2,400.00	1,200.00	
- 5-Year	2,400.00	1,200.00	
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	
- Month-To-Month	\$4,320.00	\$1,440.00	
- 1-Year	4,104.00	1,368.00	
- 2-Year	3,888.00	1,296.00	
- 3-Year	3,672.00	1,224.00	
- 4-Year	3,585.60	1,195.20	
- 5-Year	3,456.00	1,152.00	(M)

(M) Material moved from Section 7.

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Effective: 10-28-18

**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• 10.7 Mbps , per port			
- Month-To-Month	2,800.00	1,400.00	
- 1-Year	2,800.00	1,400.00	
- 2-Year	2,800.00	1,400.00	
- 3-Year	2,800.00	1,400.00	
- 4-Year	2,800.00	1,400.00	
- 5-Year	2,800.00	1,400.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	5,040.00	1,680.00	
- 1-Year	4,788.00	1,596.00	
- 2-Year	4,536.00	1,512.00	
- 3-Year	4,284.00	1,428.00	
- 4-Year	4,183.20	1,394.40	
- 5-Year	4,032.00	1,344.00	(M)

(M) Material moved from Section 7.

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Effective: 10-28-18

**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

2. IMA Ports (Cont'd)

	<b>NONRECURRING CHARGE</b>		<b>(M)</b>
	<b>MAXIMUM</b>	<b>CURRENT</b>	
• 12.3 Mbps , per port			
- Month-To-Month	\$3,200.00	\$1,600.00	
- 1-Year	3,200.00	1,600.00	
- 2-Year	3,200.00	1,600.00	
- 3-Year	3,200.00	1,600.00	
- 4-Year	3,200.00	1,600.00	
- 5-Year	3,200.00	1,600.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	\$5,760.00	\$1,920.00	
- 1-Year	5,472.00	1,824.00	
- 2-Year	5,184.00	1,728.00	
- 3-Year	4,896.00	1,632.00	
- 4-Year	4,780.80	1,593.60	
- 5-Year	4,608.00	1,536.00	
	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CURRENT</b>	
• Per Subsequent Order for IMA Ports, per 1.544 Mbps, DS1	\$400.00	\$200.00	<b>(M)</b>

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports: (Cont'd)

3. OC Ports

	NONRECURRING CHARGE MAXIMUM	CURRENT
• 45 Mbps Fixed Rate, per port		
- Month-To-Month	\$400.00	\$200.00
- 1-Year	400.00	200.00
- 2-Year	400.00	200.00
- 3-Year	400.00	200.00
- 4-Year	400.00	200.00
- 5-Year	400.00	200.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
- Month-To-Month	\$1,800.00	\$ 600.00
- 1-Year	1,710.00	570.00
- 2-Year	1,620.00	540.00
- 3-Year	1,530.00	510.00
- 4-Year	1,494.00	498.00
- 5-Year	1,440.00	480.00

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

3. OC Ports (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• 155 Mbps Fixed Rate, per port			
- Month-To-Month	400.00	200.00	
- 1-Year	400.00	200.00	
- 2-Year	400.00	200.00	
- 3-Year	400.00	200.00	
- 4-Year	400.00	200.00	
- 5-Year	400.00	200.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	3,270.00	1,090.00	
- 1-Year	3,106.50	1,035.50	
- 2-Year	2,943.00	981.00	
- 3-Year	2,779.50	926.50	
- 4-Year	2,714.10	904.70	
- 5-Year	2,616.00	872.00	(M)

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

E. ATM Ports:

3. OC Ports (Cont'd)

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• 622 Mbps Fixed Rate, per port			
- Month-To-Month	\$400.00	\$200.00	
- 1-Year	400.00	200.00	
- 2-Year	400.00	200.00	
- 3-Year	400.00	200.00	
- 4-Year	400.00	200.00	
- 5-Year	400.00	200.00	
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
- Month-To-Month	\$7,500.00	\$2,500.00	
- 1-Year	7,125.00	2,375.00	
- 2-Year	6,750.00	2,250.00	
- 3-Year	6,375.00	2,125.00	
- 4-Year	6,225.00	2,075.00	
- 5-Year	6,000.00	2,000.00	

F. Cell Transfer

	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CHARGE CURRENT</b>	(M)
• Per VCC	\$300.00	\$100.00	
• Per VPC	300.00	100.00	
• Per Subsequent Order for VCC or VPC	480.00	160.00	(M)

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 1.544 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 9.60	\$ 3.20	
- 1-Year	9.12	3.04	
- 2-Year	8.64	2.88	
- 3-Year	8.16	2.72	
- 4-Year	7.98	2.66	
- 5-Year	7.68	2.56	
- Per 75 kbps[1] Increment of total bandwidth			
- Month-To-Month	11.13	3.71	
- 1-Year	10.59	3.53	
- 2-Year	10.02	3.34	
- 3-Year	9.48	3.16	
- 4-Year	9.24	3.08	
- 5-Year	8.91	2.97	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	135.00	45.00	
- 1-Year	128.25	42.75	
- 2-Year	121.50	40.50	
- 3-Year	114.75	38.25	
- 4-Year	112.05	37.35	
- 5-Year	108.00	36.00	

[1] 64 kbps and 75 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

Issued: 9-17-18

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 45 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 9.60	\$ 3.20	
- 1-Year	9.12	3.04	
- 2-Year	8.64	2.88	
- 3-Year	8.16	2.72	
- 4-Year	7.98	2.66	
- 5-Year	7.68	2.56	
- Per 75 kbps[1] Increment of total bandwidth			
- Month-To-Month	11.13	3.71	
- 1-Year	10.59	3.53	
- 2-Year	10.02	3.34	
- 3-Year	9.48	3.16	
- 4-Year	7.24	3.08	
- 5-Year	8.99	2.97	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	135.00	45.00	
- 1-Year	128.25	42.75	
- 2-Year	121.50	40.50	
- 3-Year	114.75	38.25	
- 4-Year	112.05	37.35	
- 5-Year	108.00	36.00	

[1] 64 kbps and 75 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 45 Mbps port (Cont'd)			
- Per 1.787 Mbps Increment of total bandwidth			
- Month-To-Month	\$241.26	\$80.42	
- 1-Year	229.17	76.39	
- 2-Year	217.11	72.37	
- 3-Year	205.05	68.35	
- 4-Year	200.22	66.74	
- 5-Year	192.99	64.33	<b>(M)</b>

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 155 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 9.60	\$ 3.20	
- 1-Year	9.12	3.04	
- 2-Year	8.64	2.88	
- 3-Year	8.16	2.72	
- 4-Year	7.98	2.66	
- 5-Year	7.68	2.56	
- Per 75 kbps[1] Increment of total bandwidth			
- Month-To-Month	11.13	3.71	
- 1-Year	10.59	3.53	
- 2-Year	10.02	3.34	
- 3-Year	9.48	3.16	
- 4-Year	9.24	3.08	
- 5-Year	8.91	2.97	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	135.00	45.00	
- 1-Year	128.25	42.75	
- 2-Year	121.50	40.50	
- 3-Year	114.75	38.25	
- 4-Year	112.05	37.35	
- 5-Year	108.00	36.00	

[1] 64 kbps and 75 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 155 Mbps port (Cont'd)			
- Per 1.787 Mbps Increment of total bandwidth			
- Month-To-Month	\$241.26	\$80.42	
- 1-Year	229.17	76.39	
- 2-Year	217.11	72.37	
- 3-Year	205.05	68.35	
- 4-Year	200.22	66.74	
- 5-Year	192.99	64.33	<b>(M)</b>

(M) Material moved from Section 7.

Issued: 9-17-18

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 622 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 9.60	\$ 3.20	
- 1-Year	9.12	3.04	
- 2-Year	8.64	2.88	
- 3-Year	8.16	2.72	
- 4-Year	7.98	2.66	
- 5-Year	7.68	2.56	
- Per 75 kbps[1] Increment of total bandwidth			
- Month-To-Month	11.13	3.71	
- 1-Year	10.59	3.53	
- 2-Year	10.02	3.34	
- 3-Year	9.48	3.16	
- 4-Year	9.24	3.08	
- 5-Year	8.91	2.97	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	135.00	45.00	
- 1-Year	128.25	42.75	
- 2-Year	121.50	40.50	
- 3-Year	114.75	38.25	
- 4-Year	112.05	37.35	
- 5-Year	108.00	36.00	

[1] 64 kbps and 75 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Constant Bit Rate (CBR), 622 Mbps port (Cont'd)			
- Per 1.787 Mbps Increment of total bandwidth			
- Month-To-Month	\$241.26	\$80.42	
- 1-Year	229.17	76.39	
- 2-Year	217.11	72.37	
- 3-Year	205.05	68.35	
- 4-Year	200.22	66.74	
- 5-Year	192.99	64.33	<b>(M)</b>

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate - real time, (VBR-rt), 45 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 8.16	\$ 2.72	
- 1-Year	7.74	2.58	
- 2-Year	7.35	2.45	
- 3-Year	6.93	2.31	
- 4-Year	6.78	2.26	
- 5-Year	6.54	2.18	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	114.75	38.25	
- 1-Year	109.02	36.34	
- 2-Year	103.29	34.43	
- 3-Year	97.53	32.51	
- 4-Year	95.25	31.75	
- 5-Year	91.80	30.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate - real time, (VBR-rt), 155 Mbps port			
- Per 64 kbps [1] Increment of total bandwidth			
- Month-To-Month	\$ 8.16	\$ 2.72	
- 1-Year	7.74	2.58	
- 2-Year	7.35	2.45	
- 3-Year	6.93	2.31	
- 4-Year	6.78	2.26	
- 5-Year	6.54	2.18	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	114.75	38.25	
- 1-Year	109.02	36.34	
- 2-Year	103.29	34.43	
- 3-Year	97.53	32.51	
- 4-Year	95.25	31.75	
- 5-Year	91.80	30.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate - real time, (VBR-rt), 622 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 8.16	\$ 2.72	
- 1-Year	7.74	2.58	
- 2-Year	7.35	2.45	
- 3-Year	6.93	2.31	
- 4-Year	6.78	2.26	
- 5-Year	6.54	2.18	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	114.75	38.25	
- 1-Year	109.02	36.34	
- 2-Year	103.29	34.43	
- 3-Year	97.53	32.51	
- 4-Year	95.25	31.75	
- 5-Year	91.80	30.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate – non-real time, (VBR-nrt), 1.544 Mbps port			
- Per 64 kbps [1] Increment of total bandwidth			
- Month-To-Month	\$ 7.20	\$ 2.40	
- 1-Year	6.84	2.28	
- 2-Year	6.48	2.16	
- 3-Year	6.12	2.04	
- 4-Year	5.97	1.99	
- 5-Year	5.76	1.92	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	101.25	33.75	
- 1-Year	96.18	32.06	
- 2-Year	91.14	30.38	
- 3-Year	86.07	28.69	
- 4-Year	84.03	28.01	
- 5-Year	81.00	27.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate – non-real time, (VBR-nrt), 45 Mbps port			
- Per 64 kbps [1] Increment of total bandwidth			
- Month-To-Month	\$ 7.20	\$ 2.40	
- 1-Year	6.84	2.28	
- 2-Year	6.48	2.16	
- 3-Year	6.12	2.04	
- 4-Year	5.97	1.99	
- 5-Year	5.76	1.92	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	101.25	33.75	
- 1-Year	96.18	32.06	
- 2-Year	91.14	30.38	
- 3-Year	86.07	28.69	
- 4-Year	84.03	28.01	
- 5-Year	81.00	27.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate – non-real time, (VBR-nrt), 155 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 7.20	\$ 2.40	
- 1-Year	6.84	2.28	
- 2-Year	6.48	2.16	
- 3-Year	6.12	2.04	
- 4-Year	5.97	1.99	
- 5-Year	5.76	1.92	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	101.25	33.75	
- 1-Year	96.18	32.06	
- 2-Year	91.14	30.38	
- 3-Year	86.07	28.69	
- 4-Year	84.03	28.01	
- 5-Year	81.00	27.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Variable Bit Rate – non-real time, (VBR-nrt), 622 Mbps port			
- Per 64 kbps [1] Increment of total bandwidth			
- Month-To-Month	\$ 7.20	\$ 2.40	
- 1-Year	6.84	2.28	
- 2-Year	6.48	2.16	
- 3-Year	6.12	2.04	
- 4-Year	5.97	1.99	
- 5-Year	5.76	1.92	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	101.25	33.75	
- 1-Year	96.18	32.06	
- 2-Year	91.14	30.38	
- 3-Year	86.07	28.69	
- 4-Year	84.03	28.01	
- 5-Year	81.00	27.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(M)
• Cell Bursting for VBR-rt and VBR-nrt,			
- 100 Cells	—	—	
- 200 Cells			
- Month-to-Month	\$60.00	\$20.00	
- 1 Year	57.00	19.00	
- 2 Year	54.00	18.00	
- 3 Year	51.00	17.00	
- 4 Year	49.80	16.60	
- 5 Year	48.00	16.00	(M)

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Available Bit Rate, (ABR), 45 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 4.80	\$ 1.60	
- 1-Year	4.56	1.52	
- 2-Year	4.32	1.44	
- 3-Year	4.08	1.36	
- 4-Year	3.99	1.33	
- 5-Year	3.84	1.28	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	67.50	22.50	
- 1-Year	64.14	21.38	
- 2-Year	60.75	20.25	
- 3-Year	57.39	19.13	
- 4-Year	56.04	18.68	
- 5-Year	54.00	18.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Available Bit Rate, (ABR), 155 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 4.80	\$ 1.60	
- 1-Year	4.56	1.52	
- 2-Year	4.32	1.44	
- 3-Year	4.08	1.36	
- 4-Year	3.99	1.33	
- 5-Year	3.84	1.28	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	67.50	22.50	
- 1-Year	64.14	21.38	
- 2-Year	60.75	20.25	
- 3-Year	57.39	19.13	
- 4-Year	56.04	18.68	
- 5-Year	54.00	18.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Available Bit Rate, (ABR), 622 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 4.80	\$ 1.60	
- 1-Year	4.56	1.52	
- 2-Year	4.32	1.44	
- 3-Year	4.08	1.36	
- 4-Year	3.99	1.33	
- 5-Year	3.84	1.28	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	67.50	22.50	
- 1-Year	64.14	21.38	
- 2-Year	60.75	20.25	
- 3-Year	57.39	19.13	
- 4-Year	56.04	18.68	
- 5-Year	54.00	18.00	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Unspecified Bit Rate, (UBR), 1.544 Mbps port			
• Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 3.36	\$ 1.12	
- 1-Year	3.18	1.06	
- 2-Year	3.03	1.01	
- 3-Year	2.85	0.95	
- 4-Year	2.79	0.93	
- 5-Year	2.70	0.90	
• Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	47.25	15.75	
- 1-Year	44.88	14.96	
- 2-Year	42.54	14.18	
- 3-Year	40.17	13.39	
- 4-Year	39.21	13.07	
- 5-Year	37.80	12.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Unspecified Bit Rate, (UBR), 45 Mbps port			
• Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 3.36	\$ 1.12	
- 1-Year	3.18	1.06	
- 2-Year	3.03	1.01	
- 3-Year	2.85	0.95	
- 4-Year	2.79	0.93	
- 5-Year	2.70	0.90	
• Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	47.25	15.75	
- 1-Year	44.88	14.96	
- 2-Year	42.54	14.18	
- 3-Year	40.17	13.39	
- 4-Year	39.21	13.07	
- 5-Year	37.80	12.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Unspecified Bit Rate, (UBR), 155 Mbps port			
• Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 3.36	\$ 1.12	
- 1-Year	3.18	1.06	
- 2-Year	3.03	1.01	
- 3-Year	2.85	0.95	
- 4-Year	2.79	0.93	
- 5-Year	2.70	0.90	
• Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	47.25	15.75	
- 1-Year	44.88	14.96	
- 2-Year	42.54	14.18	
- 3-Year	40.17	13.39	
- 4-Year	39.21	13.07	
- 5-Year	37.80	12.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

F. Cell Transfer (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(M)</b>
• Unspecified Bit Rate, (UBR), 622 Mbps port			
- Per 64 kbps[1] Increment of total bandwidth			
- Month-To-Month	\$ 3.36	\$ 1.12	
- 1-Year	3.18	1.06	
- 2-Year	3.03	1.01	
- 3-Year	2.85	0.95	
- 4-Year	2.79	0.93	
- 5-Year	2.70	0.90	
- Per 1 Mbps Increment of total bandwidth			
- Month-To-Month	47.25	15.75	
- 1-Year	44.88	14.96	
- 2-Year	42.54	14.18	
- 3-Year	40.17	13.39	
- 4-Year	39.21	13.07	
- 5-Year	37.80	12.60	

[1] 64 kbps PVC increments are only available up to 1.536 Mbps.

(M) Material moved from Section 7.

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL (Cont'd)**

G. Central Office Connecting Channel (COCC)

(M)

1. ATM Service Level One COCC (up to 1.544 Mbps)

	NONRECURRING CHARGE MAXIMUM	CURRENT
Per COCC		
• Month-To-Month	\$50.00	\$25.00
• 1-Year	50.00	25.00
• 2-Year	50.00	25.00
• 3-Year	50.00	25.00
• 4-Year	50.00	25.00
• 5-Year	50.00	25.00
	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
• Month-To-Month	\$3.00	\$1.00
• 1-Year	2.85	0.95
• 2-Year	2.70	0.90
• 3-Year	2.55	0.85
• 4-Year	2.49	0.83
• 5-Year	2.40	0.80

(M)

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**107. OBSOLETE ATM SERVICE**

**107.5 RATES AND CHARGES**

**107.5.1 GENERAL**

G. Central Office Connecting Channel (COCC) (Cont'd)

2. ATM Service Level Two COCC (up to 45 Mbps, up to 155 Mbps or up to 622 Mbps)

(M)

	<b>NONRECURRING CHARGE</b>	
	<b>MAXIMUM</b>	<b>CURRENT</b>
Per COCC		
• Month-To-Month	\$50.00	\$25.00
• 1-Year	50.00	25.00
• 2-Year	50.00	25.00
• 3-Year	50.00	25.00
• 4-Year	50.00	25.00
• 5-Year	50.00	25.00
	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
• Month-To-Month	\$45.00	\$15.00
• 1-Year	42.75	14.25
• 2-Year	40.50	13.50
• 3-Year	38.25	12.75
• 4-Year	37.35	12.45
• 5-Year	36.00	12.00

(M)

(M) Material moved from Section 7.

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 8**  
Index Page 1  
Release 1

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**8. RESERVED FOR FUTURE USE**

**COMPETITIVE Qwest Corporation d/b/a CenturyLink QC**  
**ADVANCED Arizona**  
**COMMUNICATIONS**  
**SERVICES TARIFF NO. 5**

**SECTION 9**  
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**9. RESERVED FOR FUTURE USE**

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**109. OBSOLETE LAN SWITCHING SERVICE**

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.1 DESCRIPTION**

#### **109.1.1 GENERAL**

##### **A. Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links**

The services, offerings, and regulations specified in this Section are Grandfathered as of November 14, 2003, unless otherwise indicated.

Service Limitations (Unless otherwise indicated)

- Existing Service and Locations
  - May retain service as it is.
  - May not renew Fixed Period Service Rate Plans when they expire. Upon completion of a rate plan the service will revert to month-to-month rates.
  - May not upgrade to a higher speed LAN Link(s) or go from an unprotected to a protected LAN Link

##### **B. All LAN Switching Service (LSS) excepting Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links**

All LAN Switching Service (LSS), offerings, and regulations and rates specified in this Section are Grandfathered as of April 17, 2008, excepting Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links which were Grandfathered November 14, 2003. And will no longer be available to new customers or for renewal by existing customers.

Limitations for existing LSS customers are as follows:

- May retain existing service and locations as it is.
- May not renew Fixed Period Service Rate Plans when they expire. Upon completion of a rate plan the service will revert to month-to-month rates.
- May not move, change or upgrade to a higher speed.

Customers may migrate from LSS to another Company Private Line or Advanced Communications Product without paying TLA on their LSS once the Minimum Service Period has been met, and where facilities are available.

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.1 DESCRIPTION**

#### **109.1.1 GENERAL**

##### **B. All LAN Switching Service (LSS) excepting LAN Links (Cont'd)**

LAN Switching Service (LSS) is a metropolitan-area and wide-area LAN interconnection service, which provides customers with native speed LAN interconnection. LSS provides a specific amount of bandwidth, and supports both point-to-point and multipoint connectivity between customer-designated locations.

LSS is a fully managed service that includes Company bridging equipment located on the customer site.

LSS is provided over 45 Mbps and 155 Mbps fiber optic facilities or equivalent.

LSS is available in LSS equipped wire centers, the locations are published in the Network Disclosure Announcement. Access options available include unprotected and protected LAN links and digital private line transport service. An LSS customer may request Special Facilities Routing (i.e., Diversity) as set forth in the Competitive Private Line Transport Services Tariff, Section 4.

End-to-end connectivity is accomplished by establishing virtual circuits between customer sites within the LSS network.

LSS conforms to standards set forth in LAN Switching Service PUB 77396, listed in this Document under Reference to Technical Publications.

LSS also supports LSS inter-working between two separate LSS networks and between LSS and ATM Service locations. The connection between the LSS/LSS or LSS/ATM Service locations is an ATM Virtual Channel Connection (VCC). VCCs are only available as Unspecified Bit Rate (UBR) for Monthly or fixed period service rate plans of 12, 24, 36, 48 and 60 Months.

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.1 DESCRIPTION (Cont'd)**

#### **109.1.2 SERVICE ELEMENTS**

##### **A. Network Interface (NI)**

A network interface is the point of interconnection on a customer's premises between Company communications facilities and customer terminal equipment or other customer provided facilities. The NI includes a piece of electronic equipment on the customer's premises where the Company's responsibility ends. The NI serves as a bridge and converts the electrical signal presented by the customer's LAN to optical signals.

##### **B. LAN Link**

The LAN Link provides the customer access to the Company's network supporting LSS. A LAN Link includes an NI and the related fiber optic facility or equivalent. A customer may select 10 Mbps, 45Mbps, or 100 Mbps LAN Links. A customer may order Unprotected or Protected LAN Links. Unprotected and Protected LAN Links both provide a dedicated path between the Network Interface and the Company's network. Unprotected LAN Links provide a single path, while protected LAN Links provide a standby path that is automatically activated if the first path fails. Protected LAN Links are only available where the customer's serving wire center is a LSS Service Point. When a customer accesses the Company's LSS network through a LAN Link where the customer's serving wire center is not a LSS Service Point, transport mileage will always apply. An LSS LAN Link is only available at LSS Service Points described in E., following.

A customer may order Alternating Current (AC) or Direct Current (DC) with either a Protected or Unprotected LAN Link. An LSS customer may request Local Loop Diversity which provides an alternately routed local loop as referenced in Special Facilities Routing as set forth in the Competitive Private Line Transport Services Tariff, Section 4.

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.1 DESCRIPTION**

#### **109.1.2 SERVICE ELEMENTS (Cont'd)**

##### **C. Remote LAN Link**

A Remote LAN Link is only used for access where LSS is not available. A customer may select 10 Mbps or 45 Mbps Remote LAN Links.

##### **D. Virtual Circuits**

LSS connectivity between customer-designated premises is accomplished by provisioning LSS NIs (virtual circuits) and establishing connectivity through the Company's LSS network. Virtual Channel Connections (VCCs) are only available as UBR.

##### **E. Service Point**

Service Points are geographic locations designated by the Company where LSS is available. Company wire centers LSS equipped are identified in the National Exchange Carrier Association Tariff, F.C.C. No. 4 under ATM.

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.2 GENERAL TERMS AND CONDITIONS**

In addition to the terms and conditions in Section 2 and Section 3 of this Catalog, the terms and conditions in this section also apply for LSS.

- A. LSS is available 24 hours per day, seven days per week.
- B. LSS can be provided where Company facilities and equipment are available. Where suitable facilities are unavailable for provision of the service, special construction of the facilities may be necessary and will be charged for as specified in 3.6, preceding.
- C. For LSS, the Company will secure equipment space furnished by the customer under the terms of 2.3.4. This space must be accessible exclusively to the Company, as if the Company is the lessee.

### **109.3 RATE REGULATIONS**

- A. The initial order for LSS must be for a fixed service period of one, two, three, four or five years as set forth in 2.4.5. At the end of the initial service period, a customer may elect the month-to-month option or any of the specified fixed service periods.
- B. A subsequent order to add LSS LAN Links and/or Remote LAN Links to an existing fixed-period service pricing plan must be for a fixed period of one, two, three, four or five years, or for the remainder of the existing fixed-period service pricing plan, provided the remainder of the existing plan is at least the minimum period for that plan, as set forth in 2.4.3. If the remaining term is less than the associated minimum period, the minimum term for the added LAN Link and/or Remote LAN Link shall be 12 months as set forth in 2.4.3, preceding.
- C. A customer may access LSS via a Company-provided LAN Link or Remote LAN Link. A customer utilizing a Remote LAN Link to access LSS will incur a monthly rate and a nonrecurring charge for a Remote LAN Link, in addition to the applicable monthly rates for Transport Mileage.

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## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.4 RATE ELEMENTS**

#### **A. LAN Link**

A nonrecurring charge applies per LAN Link termination for each physical connection to the LSS network. A monthly rate is assessed per LAN Link, based on the speed of the LAN Link (10 Mbps, 45 Mbps or 100 Mbps) and whether the LAN Link is protected or unprotected. At the customer's option an LSS LAN Link may be ordered with LAN Link Protection. When a customer accesses LSS through a non-LSS serving wire center, transport mileage as set forth in B., following, applies in addition to the monthly rate for the LAN Link.

#### **B. Transport Mileage**

Transport Mileage provides for the transmission facilities between a non-LSS disclosed serving wire center associated with a customer-designated premises and the LSS network. There are two elements that apply: a fixed rate and a variable rate per mile.

#### **C. Remote LAN Link**

A nonrecurring charge applies per Remote LAN Link termination for each physical connection to the Company's LSS network. The monthly rate is assessed per Remote LAN Link based upon the speed of the Remote LAN Link (i.e., 10 Mbps or 45 Mbps). When a customer accesses LSS via a Remote LAN Link, Transport Mileage, as set forth in D., following, applies in addition to the monthly rate for the Remote LAN Link.

#### **D. Remote Transport Mileage**

Remote Transport Mileage provides for the transmission facilities between a non-LSS disclosed serving wire center associated with a customer-designated premises and the LSS network. Transport Mileage is portrayed in mileage bands. There are two elements that apply for each band, i.e., a flat rate per band and a rate per mile.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

A. Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links[1]

	<b>USOC</b>	<b>MONTHLY RATE</b>
1. Ethernet, 10 Mbps, without protection, per LAN Link		
• Month-to-Month	D5LCX	1,400.00
• 1-Year	DLUC1	1,330.00
• 3-Year	DLUC3	1,190.00
• 5-Year	DLUC5	1,120.00
2. Ethernet, 10 Mbps, with protection, per LAN Link		
• Month-to-Month	D5LCP	1,700.00
• 1-Year	DPUC1	1,615.00
• 3-Year	DPUC3	1,445.00
• 5-Year	DPUC5	1,360.00
3. Fast Ethernet Lite, 45 Mbps, without protection, per LAN Link		
• Month-to-Month	D5L1X	1,800.00
• 1-Year	DLU11	1,710.00
• 3-Year	DLU13	1,530.00
• 5-Year	DLU15	1,440.00

[1] Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links are Grandfathered as of November 14, 2003

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

A. Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links[1] (Cont'd)

	<b>USOC</b>	<b>MONTHLY RATE</b>
4. Fast Ethernet Lite, 45 Mbps, with protection, per LAN Link		
• Month-to-Month	D5L1P	\$2,100.00
• 1-Year	DPU11	1,995.00
• 3-Year	DPU13	1,785.00
• 5-Year	DPU15	1,680.00
5. Fast Ethernet, 100 Mbps, without protection, per LAN Link		
• Month-to-Month	D5L2X	2,800.00
• 1-Year	DLU21	2,660.00
• 3-Year	DLU23	2,380.00
• 5-Year	DLU25	2,240.00
6. Fast Ethernet, 100 Mbps, with protection, per LAN Link		
• Month-to-Month	D5L2P	3,900.00
• 1-Year	DPU21	3,700.00
• 3-Year	DPU23	3,300.00
• 5-Year	DPU25	3,120.00

[1] Ethernet, Fast Ethernet Lite and Fast Ethernet LAN Links are Grandfathered as of November 14, 2003.

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Effective: 8-2-13

## **109. OBSOLETE LAN SWITCHING SERVICE**

### **109.5 RATES AND CHARGES**

#### **B. LAN Links[1]**

	<b>USOC</b>	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CURRENT</b>
1. Nonrecurring Charge			
• Per LAN Link termination	NRBL8	\$2,400.00	\$1,200.00
	<b>USOC</b>	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
2. 10 Mbps, without protection, per LAN Link termination			
a. AC (Alternating Current)			
• Monthly	DLUDM	\$4,200.00	\$1,400.00
• 12 Months	DLUD1	3,990.00	1,330.00
• 24 Months	DLUD2	3,780.00	1,260.00
• 36 Months	DLUD3	3,570.00	1,190.00
• 48 Months	DLUD4	3,486.00	1,162.00
• 60 Months	DLUD5	3,360.00	1,120.00
b. DC (Direct Current)			
• Monthly	DLUEM	4,200.00	1,400.00
• 12 Months	DLUE1	3,990.00	1,330.00
• 24 Months	DLUE2	3,780.00	1,260.00
• 36 Months	DLUE3	3,570.00	1,190.00
• 48 Months	DLUE4	3,486.00	1,162.00
• 60 Months	DLUE5	3,360.00	1,120.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

B. LAN Links[1] (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
3. 10 Mbps, with protection, per LAN Link termination[2]			
a. AC (Alternating Current)			
• Monthly	DPUDM	\$5,100.00	\$1,700.00
• 12 Months	DPUD1	4,845.00	1,615.00
• 24 Months	DPUD2	4,590.00	1,530.00
• 36 Months	DPUD3	4,335.00	1,445.00
• 48 Months	DPUD4	4,233.00	1,411.00
• 60 Months	DPUD5	4,080.00	1,360.00
b. DC (Direct Current)			
• Monthly	DPUEM	5,100.00	1,700.00
• 12 Months	DPUE1	4,845.00	1,615.00
• 24 Months	DPUE2	4,590.00	1,530.00
• 36 Months	DPUE3	4,335.00	1,445.00
• 48 Months	DPUE4	4,233.00	1,411.00
• 60 Months	DPUE5	4,080.00	1,360.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

[2] Protection not available in non-LSS Service Points.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

B. LAN Links[1] (Cont'd)

	<b>USOC</b>	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
4. 45 Mbps, without protection, per LAN Link termination			
a. AC (Alternating Current)			
• Monthly	DLUFM	\$5,400.00	\$1,800.00
• 12 Months	DLUF1	5,130.00	1,710.00
• 24 Months	DLUF2	4,860.00	1,620.00
• 36 Months	DLUF3	4,590.00	1,530.00
• 48 Months	DLUF4	4,482.00	1,494.00
• 60 Months	DLUF5	4,320.00	1,440.00
b. DC (Direct Current)			
• Monthly	DLUGM	5,400.00	1,800.00
• 12 Months	DLUG1	5,130.00	1,710.00
• 24 Months	DLUG2	4,860.00	1,620.00
• 36 Months	DLUG3	4,590.00	1,530.00
• 48 Months	DLUG4	4,482.00	1,494.00
• 60 Months	DLUG5	4,320.00	1,440.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

**B. LAN Links[1] (Cont'd)**

	<b>USOC</b>	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
5. 45 Mbps, with protection, per LAN Link termination[2]			
a. AC (Alternating Current)			
• Monthly	DPUFM	\$6,300.00	\$2,100.00
• 12 Months	DPUF1	5,985.00	1,995.00
• 24 Months	DPUF2	5,670.00	1,890.00
• 36 Months	DPUF3	5,355.00	1,785.00
• 48 Months	DPUF4	5,229.00	1,743.00
• 60 Months	DPUF5	5,040.00	1,680.00
b. DC (Direct Current)			
• Monthly	DPUGM	6,300.00	2,100.00
• 12 Months	DPUG1	5,985.00	1,995.00
• 24 Months	DPUG2	5,670.00	1,890.00
• 36 Months	DPUG3	5,355.00	1,785.00
• 48 Months	DPUG4	5,229.00	1,743.00
• 60 Months	DPUG5	5,040.00	1,680.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

[2] Protection not available in non-LSS Service Points.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

B. LAN Links[1] (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
6. 100 Mbps, without protection, per LAN Link termination			
a. AC (Alternating Current)			
• Monthly	DLUHM	\$6,525.00	\$2,175.00
• 12 Months	DLUH1	6,198.75	2,066.25
• 24 Months	DLUH2	5,872.50	1,957.50
• 36 Months	DLUH3	5,546.25	1,848.75
• 48 Months	DLUH4	5,415.75	1,805.25
• 60 Months	DLUH5	5,220.00	1,740.00
b. DC (Direct Current)			
• Monthly	DLUJM	6,525.00	2,175.00
• 12 Months	DLUJ1	6,198.75	2,066.25
• 24 Months	DLUJ2	5,872.50	1,957.50
• 36 Months	DLUJ3	5,546.25	1,848.75
• 48 Months	DLUJ4	5,415.75	1,805.25
• 60 Months	DLUJ5	5,220.00	1,740.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

B. LAN Links[1] (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
7. 100 Mbps, with protection, per LAN Link termination[2]			
a. AC (Alternating Current)			
• Monthly	DPUHM	\$9,787.50	\$3,262.50
• 12 Months	DPUH1	9,298.14	3,099.38
• 24 Months	DPUH2	8,808.75	2,936.25
• 36 Months	DPUH3	8,319.39	2,773.13
• 48 Months	DPUH4	8,123.64	2,707.88
• 60 Months	DPUH5	7,830.00	2,610.00
b. DC (Direct Current)			
• Monthly	DPUJM	9,787.50	3,262.50
• 12 Months	DPUJ1	9,298.14	3,099.38
• 24 Months	DPUJ2	8,808.75	2,936.25
• 36 Months	DPUJ3	8,319.39	2,773.13
• 48 Months	DPUJ4	8,123.64	2,707.88
• 60 Months	DPUJ5	7,830.00	2,610.00

[1] The LAN Links found on this page are Grandfathered as of April 17, 2008.

[2] Protection not available in non-LSS Service Points.

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES (Cont'd)**

C. Transport Mileage

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
1. Interoffice Transport for 10 Mbps or 45 Mbps LAN Link			
a. Monthly			
• Fixed	JZXAM	\$1,500.00	\$500.00
• Per mile	JZXAM	186.00	62.00
b. 12 Months			
• Fixed	JZXA1	1,425.00	475.00
• Per mile	JZXA1	176.70	58.90
c. 24 Months			
• Fixed	JZXA2	1,350.00	450.00
• Per mile	JZXA2	167.40	55.80
d. 36 Months			
• Fixed	JZXA3	1,275.00	425.00
• Per mile	JZXA3	158.10	52.70
e. 48 Months			
• Fixed	JZXA4	1,245.00	415.00
• Per mile	JZXA4	154.38	51.46
f. 60 Months			
• Fixed	JZXA5	1,200.00	400.00
• Per mile	JZXA5	148.80	49.60

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

**C. Transport Mileage (Cont'd)**

	<b>USOC</b>	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
2. Interoffice Transport for 100 Mbps LAN Link			
a. Monthly			
• Fixed	JZXB1	\$2,820.00	\$940.00
• Per mile	JZXB1	340.59	113.53
b. 12 Months			
• Fixed	JZXB1	2,679.00	893.00
• Per mile	JZXB1	323.55	107.85
c. 24 Months			
• Fixed	JZXB2	2,538.00	846.00
• Per mile	JZXB2	306.51	102.17
d. 36 Months			
• Fixed	JZXB3	2,397.00	799.00
• Per mile	JZXB3	289.50	96.50
e. 48 Months			
• Fixed	JZXB4	2,340.60	780.20
• Per mile	JZXB4	282.69	94.23
f. 60 Months			
• Fixed	JZXB5	2,256.00	752.00
• Per mile	JZXB5	272.46	90.82

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES (Cont'd)**

D. Remote LAN Links

	USOC	NONRECURRING CHARGE MAXIMUM	CURRENT
1. Nonrecurring Charge			
• Per Remote LAN Link termination	NRB6E	\$3,400.00	\$1,700.00
	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
2. 10 Mbps, per Remote LAN Link termination			
• Monthly	RLUCM	\$5,100.00	\$1,700.00
• 12 Months	RLUC1	4,845.00	1,615.00
• 36 Months	RLUC3	4,335.00	1,445.00
• 60 Months	RLUC5	4,080.00	1,360.00
3. 45 Mbps, per Remote LAN Link termination			
• Monthly	RLU1M	6,300.00	2,100.00
• 12 Months	RLU11	5,985.00	1,995.00
• 36 Months	RLU13	5,355.00	1,785.00
• 60 Months	RLU15	5,040.00	1,680.00

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES (Cont'd)**

E. Remote Transport Mileage

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
1. Interoffice Transport for 10 Mbps Remote LAN Link			
a. Month-to-Month			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ3OA	\$1,107.93	\$369.31
- Per mile	JZ3OA	96.12	32.04
• Over 8 to 25			
- Fixed	JZ3OB	1,113.27	371.09
- Per mile	JZ3OB	65.91	21.97
• Over 25 to 50			
- Fixed	JZ3OC	1,122.18	374.06
- Per mile	JZ3OC	95.82	31.94
• Over 50			
- Fixed	JZ3OD	1,161.39	387.13
- Per mile	JZ3OD	108.60	36.20

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

E. Remote Transport Mileage

1. Interoffice Transport for  
10 Mbps Remote LAN Link(Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
b. 1-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ3XA	\$1,052.55	\$350.85
- Per mile	JZ3XA	91.32	30.44
• Over 8 to 25			
- Fixed	JZ3XB	1,057.62	352.54
- Per mile	JZ3XB	62.61	20.87
• Over 25 to 50			
- Fixed	JZ3XC	1,066.08	355.36
- Per mile	JZ3XC	91.02	30.34
• Over 50			
- Fixed	JZ3XD	1,103.31	367.77
- Per mile	JZ3XD	103.17	34.39

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

E. Remote Transport Mileage

1. Interoffice Transport for  
10 Mbps Remote LAN Link(Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
c. 3-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ3ZA	\$941.76	\$313.92
- Per mile	JZ3ZA	82.02	27.34
• Over 8 to 25			
- Fixed	JZ3ZB	946.29	315.43
- Per mile	JZ3ZB	56.04	18.68
• Over 25 to 50			
- Fixed	JZ3ZC	953.88	317.96
- Per mile	JZ3ZC	81.78	27.26
• Over 50			
- Fixed	JZ3ZD	987.18	329.06
- Per mile	JZ3ZD	92.67	30.89

**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

E. Remote Transport Mileage

1. Interoffice Transport for  
10 Mbps Remote LAN Link(Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
d. 5-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ35A	\$886.35	\$295.45
- Per mile	JZ35A	76.89	25.63
• Over 8 to 25			
- Fixed	JZ35B	890.64	296.88
- Per mile	JZ35B	52.74	17.58
• Over 25 to 50			
- Fixed	JZ35C	897.75	299.25
- Per mile	JZ35C	76.65	25.55
• Over 50			
- Fixed	JZ35D	929.10	309.70
- Per mile	JZ35D	86.88	28.96

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

E. Remote Transport Mileage (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
2. Interoffice Transport for 45 Mbps Remote LAN Link			
a. Month-to-Month			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ36A	\$1,772.70	\$590.90
- Per mile	JZ36A	153.78	51.26
• Over 8 to 25			
- Fixed	JZ36B	1,781.25	593.75
- Per mile	JZ36B	105.45	35.15
• Over 25 to 50			
- Fixed	JZ36C	1,795.50	598.50
- Per mile	JZ36C	153.33	51.11
• Over 50			
- Fixed	JZ36D	1,858.20	619.40
- Per mile	JZ36D	173.76	57.92

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

- E. Remote Transport Mileage  
2. Interoffice Transport for  
45 Mbps Remote LAN Link (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
b. 1-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ37A	\$1,684.08	\$561.36
- Per mile	JZ37A	146.10	48.70
• Over 8 to 25			
- Fixed	JZ37B	1,692.18	564.06
- Per mile	JZ37B	100.17	33.39
• Over 25 to 50			
- Fixed	JZ37C	1,705.74	568.58
- Per mile	JZ37C	145.65	48.55
• Over 50			
- Fixed	JZ37D	1,765.29	588.43
- Per mile	JZ37D	165.06	55.02

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

- E. Remote Transport Mileage  
2. Interoffice Transport for  
45 Mbps Remote LAN Link (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
c. 3-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ38A	\$1,506.81	\$502.27
- Per mile	JZ38A	131.22	43.74
• Over 8 to 25			
- Fixed	JZ38B	1,514.07	504.69
- Per mile	JZ38B	89.64	29.88
• Over 25 to 50			
- Fixed	JZ38C	1,526.19	508.73
- Per mile	JZ38C	130.83	43.61
• Over 50			
- Fixed	JZ38D	1,579.47	526.49
- Per mile	JZ38D	148.26	49.42

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**109. OBSOLETE LAN SWITCHING SERVICE**

**109.5 RATES AND CHARGES**

- E. Remote Transport Mileage  
2. Interoffice Transport for  
45 Mbps Remote LAN Link (Cont'd)

	USOC	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE
d. 5-Year			
Mileage Bands			
• Over 0 to 8			
- Fixed	JZ39A	\$1,418.16	\$472.72
- Per mile	JZ39A	123.00	41.00
• Over 8 to 25			
- Fixed	JZ39B	1,425.00	475.00
- Per mile	JZ39B	84.36	28.12
• Over 25 to 50			
- Fixed	JZ39C	1436.40	478.80
- Per mile	JZ39C	122.64	40.88
• Over 50			
- Fixed	JZ39D	1,486.56	495.52
- Per mile	JZ39D	138.99	46.33

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**10. METRO OPTICAL ETHERNET (MOE)**

<b>SUBJECT</b>	<b>SHEET</b>
Description	
General.....	1
Service Elements.....	2
General Terms and Conditions .....	3
Rate Elements .....	4
Rates and Charges.....	10
Rate Terms and Conditions.....	9

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Effective: 12-15-18

## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.1 DESCRIPTION**

#### **10.1.1 GENERAL**

Metro Optical Ethernet (MOE) Service is a flexible, easy-to-use transport service that uses established Ethernet transport technology. MOE allows customers to connect multiple enterprise locations within a service area using native Ethernet protocol. MOE is available over three distinct designs: Customer Premises, Central Office and Ethernet with Extended Transport (EwET)[1].

(T)

Customer Premises MOE supports transmission speeds as low as 1 Mbps and up to 1 Gbps in increments of 10 Mbps from 10 to 100 Mbps, and in increments of 100 Mbps from 100 to 1,000 Mbps. Central Office MOE supports transmission speeds of 100 Mbps, 600 Mbps and 1,000 Mbps. EwET MOE supports transmission speeds as low as 5 Mbps and up to 40 Mbps.

A MOE customer may request Special Facilities Routing (i.e., Diversity and Avoidance) as set forth in the Access Service Tariff, Section 11.

Technical Specifications for MOE Service are delineated in Qwest Corporation Technical Publication PUB 77411, listed in this Tariff under Reference to Technical Publications.

[1] EwET is no longer available to new customers after December 15, 2018.

(N)

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.1 DESCRIPTION (Cont'd)**

#### **10.1.2 SERVICE ELEMENTS**

##### **A. Network Interface (NI)**

###### **1. Customer Premises NI**

The Company network interface is the point of interconnection between Company communications facilities and terminal equipment or other customer-provided facilities. The network interface is the point of demarcation on the customer's premises where the Company's responsibility for the provision of MOE Service ends.

###### **2. Central Office NI**

The Company network interface is the point of interconnection between either Company services or Company-provided collocation within the same central office. The network interface is the point of demarcation in the Company's central office.

##### **B. Access Link**

A MOE Access Link connects a customer facility at the Customer Premises NI to an Ethernet port on the MOE network with a standard optical or copper connection.

##### **C. MOE Port**

MOE Port is an Ethernet port that is the physical entry point to the shared Metro Optical Ethernet Network. Ethernet Virtual Connections (EVCs) or Operator Virtual Connections (OVCs), originate and terminate on a MOE Port. Customers may choose to connect to an electrical 10/100 port or an electrical or optical 1,000 Mbps port on the Company network.

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.1 DESCRIPTION**

#### **10.1.2 SERVICE ELEMENTS(Cont'd)**

##### **D. Bandwidth Profile (BWP)**

The Bandwidth Profile (BWP) is provisioned over the MOE Port in three distinct designs:

- Customer Premises Bandwidth Profile is the standard MOE offering which uses the native Ethernet protocol to connect multiple enterprise locations with the customer's premises.
- Central Office Bandwidth Profile is a MOE offering that originates and terminates in the same central office for use with SST, GeoMax and SHNS Ethernet Ports.
- EwET Bandwidth Profile offers MOE outside the designated MOE service area via Ethernet with Extended Transport (EwET) using the EwET customer interface.[1]

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### **10.2 GENERAL TERMS AND CONDITIONS**

In addition to the terms and conditions in Section 2 and Section 3 of this Tariff, the terms and conditions in this section also apply for MOE

- A. The provisioning of MOE contemplates the use of existing facilities. There may be occasions when MOE is not available due to facilities limitations, or when it may be necessary to construct facilities. If Special Construction is involved, the regulations as set forth in Section 3.6, preceding will apply.
- B. For MOE, the Company will secure equipment space furnished by the customer under the terms of 2.3.4. This space must be accessible exclusively to the Company, as if the Company is the lessee.

[1] EwET is no longer available to new customers after December 15, 2018.

(N)

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Effective: 12-15-18

## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.3 RATE ELEMENTS**

#### **A. MOE Port**

A nonrecurring charge applies per new MOE Port. A nonrecurring charge for a MOE Port will also be assessed when an electrical port is changing to an optical port or an optical port is changing to an electrical port. There will be no charge if a customer goes from one electrical port to another electrical port or from one optical port to another optical port. Customers may choose to connect to an electrical 10/100 port or an electrical or optical 1,000 Mbps port on the Company network. This charge is associated with all three Bandwidth Profile designs.

#### **B. Bandwidth Profile (BWP)**

A monthly rate is assessed per Bandwidth Profile (BWP) subscribed to and the term plan chosen as set forth in 8.8.3, following. Customers may subscribe to one of the following:

##### **1. Customer Premises Bandwidth**

- 10 Mbps Ports: 1 Mbps, 3 Mbps, 5 Mbps, 7 Mbps and 10 Mbps
- 100 Mbps Ports: 1 Mbps, 3 Mbps, 5 Mbps, 7 Mbps, 10 Mbps, 20 Mbps, 30 Mbps, 40 Mbps, 50 Mbps, 60 Mbps, 70 Mbps, 80 Mbps, 90 Mbps and 100 Mbps
- 1,000 Mbps Ports: 10 Mbps, 20 Mbps, 30 Mbps, 40 Mbps, 50 Mbps, 60 Mbps, 70 Mbps, 80 Mbps, 90 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 400 Mbps, 500 Mbps, 600 Mbps, 700 Mbps, 800 Mbps, 900 Mbps and 1,000 Mbps

##### **2. Central Office Bandwidth**

- 1,000 Mbps Ports: 100 Mbps, 600 Mbps and 1,000 Mbps

(T)

##### **3. EwET Bandwidth[1,2]**

- 10/100 Mbps Ports: 5 Mbps, 10 Mbps, 20 Mbps, 30 Mbps and 40 Mbps

[1] A Company-provided DS3 Channel Termination and Transport Channel Mileage (for distance between a MOE Central Office Switch and Company Non-MOE Central Office) at rates set forth in Section 6 of the Competitive Private Line Transport Services Tariff will be assessed when MOE is connected to EwET. An EwET Customer Interface will also be assessed.

(N)

[2] EwET is no longer available to new customers after December 15, 2018.

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Effective: 2-17-20

## 10. METRO OPTICAL ETHERNET (MOE)

### 10.3 RATE ELEMENTS(Cont'd)

#### C. EwET Customer Interface[1]

The EwET Customer Interface rate is monthly recurring rate assessed when EwET Bandwidth is connected at the customer's premises.

#### D. Central Office Connecting Channel (COCC)

The Central Office Connecting Channel (COCC) rate is comprised of a monthly recurring rate and a nonrecurring rate per connection. This rate will apply when a MOE Bandwidth Port connects to another service.

#### E. Optional Features

##### 1. Multiple Ethernet Virtual Connections (EVCs) or Operator Virtual Connections (OVCs)

Each MOE Port provided by the Company will come standard with the capability to provide one Ethernet Virtual Connection (EVC) or Operator Virtual Connection (OVC). **An EVC is associated with a UNI port type, an OVC is associated with an ENNI port type.** Customers may order more than one EVC or OVC per port. The Company will bill a monthly EVC or OVC charge per port that the EVC or OVC terminates on, at rates set forth in 10.5.E, following.[2]

(C)  
—  
(C)

##### 2. Quality of Service (QoS)

Quality of Service (QoS) allows customers to prioritize their traffic managed through the Company's MOE Service. QoS supports two different Class of Service management options set forth below:

- Committed Information Rate (CIR) Class of Service or
- Priority Class of Service

Customers must choose the Class of Service management option that will support their Metro Ethernet Network (MEN) requirements. The MOE Service Technical Publication PUB 77411 has specific details to assist in this decision.

[1] EwET is no longer available to new customers after December 15, 2018.

[2] Effective February 1, 2020.

(N)

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.3 RATE ELEMENTS**

#### **E. Optional Features**

##### **2. Quality of Service (QoS) (Cont'd)**

- a. Committed Information Rate (CIR) Class of Service offers three options ordered on a per Mbps basis. CIR bandwidths include:

- 1 Mbps through 10 Mbps in 1 Mbps increments
- 10 Mbps through 100 Mbps in 10 Mbps increments
- 100 Mbps through 1000 Mbps in 100 Mbps increments
- CIR bandwidths greater than 1000 Mbps are available on an Individual Case Basis (ICB)

Class of Service defines performance characteristics of the network that manages business applications designating with the following classes:

- Real Time (RT): Supports enterprise applications with the highest prioritization that require low frame delay, minimal frame loss and requires low jitter. Applications include voice, video and Telepresence.
  - Guaranteed Data (GD): Supports high priority enterprise application with tolerance for frame delay, frame loss and jitter. Applications include interactive services such as web conferencing, CCTV, video and voice.
  - Business Class (BC): Supports enterprise data applications with greater tolerance for frame delay, frame loss and jitter. BC is the baseline class for serving MOE so there are no additional charges for associated CIR bandwidth. Ordering procedures for BC is assigned for remaining CIR within the Bandwidth Profile.
- b. Priority Class of Service QoS for MOE allows customers to prioritize their traffic in four levels which are: Priority 1, Priority 2, Priority 3 and Priority 4 with preset templates based on percent allocation for class by the Bandwidth Profile (BWP). The four classes of service or priority levels uses are described below:

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.3 RATE ELEMENTS**

#### **E. Optional Features**

##### **2. Quality of Service (QoS)**

###### **b. (Cont'd)**

- Priority 1 – This Quality of Service class of service supports VoIP (Voice of Internet Protocol) and other near real time applications. A Quality of Service Guarantee is provided in 3, following.
- Priority 2 – This Quality of Service class of service supports interactive Video applications.
- Priority 3 - This Quality of Service class of service supports business data applications.
- Priority 4 - This Quality of Service is the default for all other traffic that is not defined in Priorities 1, 2 or 3 above. Priority 4 traffic will have the lowest priority on the network.

In all Quality of Service options, at least 3 Mbps or 5 Mbps of the Bandwidth Profile will be Priority 1 traffic. Priority 1 traffic is ordered in 3 Mbps or 5 Mbps increments and customers may order multiples of Quality of Service at monthly and Pricing Plan rates set forth in 10.5.E., following. The 3 Mbps increment of Priority 1 traffic option is only available for 3 Mbps, 5 Mbps and 7 Mbps Bandwidth Profiles. The 5 Mbps increment of Priority 1 traffic is available for 5 Mbps Bandwidth Profiles and higher.

Each individual Quality of Service reserves either 3 Mbps or 5 Mbps of the Bandwidth Profile for Priority 1 traffic. Customers may order multiple increments, but 3 Mbps and 5 Mbps increments may not be combined. For example: if a customer orders 4 increments of 5 Mbps of Quality of Service the customer would receive 20 Mbps of the Bandwidth Profile for Priority 1 traffic. In addition to the Priority 1 traffic, customers must specify the traffic percentage levels for Priorities 2, 3 and 4 for the remainder of the Bandwidth using the templates are described below:

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.3 RATE ELEMENTS**

#### **E. Optional Features**

##### **2. Quality of Service (QoS) (Cont'd)**

When Quality of Service is ordered 8 different options or templates will be available. Each template specifies how the remaining Bandwidth Profile will be distributed to Priorities 2, 3 and 4 as set forth in the 8 templates, below:

	<u>Priority 2</u>	<u>Priority 3</u>	<u>Priority 4</u>
Template 1	20%	40%	40%
Template 2	25%	35%	40%
Template 3	30%	30%	40%
Template 4	35%	25%	40%
Template 5	40%	20%	40%
Template 6	45%	15%	40%
Template 7	50%	10%	40%
Template 8	55%	5%	40%

Quality of Service comes with a service guarantee for every 3 or 5 megabit increments of Priority 1 traffic. The SLA credit will be based on a specific calendar month's performance set forth in Section 2.4.4.B., preceding.

##### **3. Protect Routing**

Protect Routing provides added reliability to MOE transported over fiber optic facilities. Protect Routing provides a separate facility path for the protection system between the serving wire center and the Company point of termination located in the same building as the customers designated premises when the customer or building owner provide the structure for diverse entrance facilities into the building. The Company will bill a monthly Protect Routing Charge as set forth in 10.5.E, following.

This added protection is provided by ensuring that backup electronics and two physically separate facility paths are used in the provisioning of the service. One primary (or working) service path is established between the serving wire center and the customer designated premises. In addition, a protect path is provisioned between the customer designated premises and the serving wire center via a Company designated alternate route. In the event that the working facility or electronics fail or the service performance becomes impaired, the facility automatically switches to the service protect path in order to maintain a near continuous flow of information between locations.

Protect Routing comes with a service guarantee should the continuity between the customer designated premises and serving wire center fail as set forth in Section 2.4.4.B.1, preceding.

Effective: 8-2-13

## 10. METRO OPTICAL ETHERNET (MOE)

## 10.4 RATE TERMS AND CONDITIONS

- A. The initial order for MOE must be for a fixed period service rate plan of one, two, three or five year fixed service period. Pricing Plans are further described in 2.4.5. MOE customers will not receive rate decreases if the Company decreases the rates during their term plan.
- B. A subsequent order to add or change a Bandwidth Profile, Quality of Service or Protect Routing to an existing fixed-period service pricing plan must be coterminous for the remainder of the existing fixed-period service pricing plan.
- C. A subsequent order to add or change a MOE Port during the fixed period service rate plan will be assessed the nonrecurring charge.
- D. A subsequent order to increase a MOE Bandwidth during the fixed period service rate plan will not be assessed the MOE Port nonrecurring charge. The monthly rate will be changed to the new MOE Bandwidth Profile Charge. The customer may subsequently decrease the MOE Bandwidth Profile as low as the originally configured bandwidth without being assessed a Discontinuance Charge. If the customer chooses to decrease MOE Bandwidth to a lower bandwidth than originally agreed upon prior to the expiration date of the fixed period service rate plan the Discontinuance Charge will apply.
- E. Rates and Charges as set forth in 11.5, following will apply or Rates and Charges maybe developed on an individual case basis and will be specified in a Service Agreement between the Company and the customer.
- F. Changes to Rate Plans

Changes to rate plans are described in 2.4.5.

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES

#### A. MOE Port

	NONRECURRING CHARGE MAXIMUM	CURRENT
1. 10/100 Mbps, Per MOE Port		
• Monthly	\$1,200.00	\$ 600.00
• 12 Months	1,200.00	600.00
• 24 Months	1,200.00	600.00
• 36 Months	1,200.00	600.00
• 60 Months	1,200.00	600.00
2. 1,000 Mbps, Per MOE Port		
• Monthly	2,400.00	<b>600.00 (R)</b>
• 12 Months	2,400.00	<b>600.00 (R)</b>
• 24 Months	2,400.00	<b>600.00 (R)</b>
• 36 Months	2,400.00	<b>600.00 (R)</b>
• 60 Months	2,400.00	<b>600.00 (R)</b>

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES (Cont'd)**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
a. 1 Bandwidth, Per 10/100 Mbps Port			(C)
• Monthly	\$1,107.00	\$ 369.00	(C)
• 12 Months	1,047.00	349.00	
• 24 Months	807.00	269.00	
• 36 Months	597.00	199.00	
• 60 Months	447.00	149.00	
b. 3 Bandwidth, Per 10/100 Mbps Port			(C)
• Monthly	1,122.00	374.00	(C)
• 12 Months	1,056.00	352.00	
• 24 Months	990.00	330.00	
• 36 Months	921.00	307.00	
• 60 Months	855.00	285.00	
c. 5 Bandwidth, Per 10/100 Mbps Port			(C)
• Monthly	1,386.00	462.00	(C)
• 12 Months	1,305.00	435.00	
• 24 Months	1,221.00	407.00	
• 36 Months	1,137.00	379.00	
• 60 Months	1,056.00	352.00	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports (Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
d. 7 Bandwidth, Per 10/100/1,000 Mbps Port			(C)
• Monthly	\$1,767.00	\$589.00	(C)
• 12 Months	1,662.00	554.00	
• 24 Months	1,557.00	519.00	
• 36 Months	1,449.00	483.00	
• 60 Months	1,344.00	448.00	
e. 10 Bandwidth, Per 10/100/1,000 Mbps Port			
• Monthly	2,271.00	757.00	(C)
• 12 Months	2,136.00	712.00	
• 24 Months	2,001.00	667.00	
• 36 Months	1,863.00	621.00	
• 60 Months	1,728.00	576.00	
f. 20 Bandwidth, Per 100/1,000 Mbps Port			
• Monthly	2,928.00	967.00	(C)
• 12 Months	2,756.10	918.70	
• 24 Months	2,625.00	875.00	
• 36 Months	2,466.00	822.00	
• 60 Months	2,320.80	773.60	

(M) Material moved from Page 11.

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports(Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
g. 30 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	\$3,102.00	\$1,034.00	(C)
• 12 Months	2,946.90	982.30	
• 24 Months	2,805.00	935.00	
• 36 Months	2,636.70	878.90	
• 60 Months	2,481.60	827.20	
h. 40 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	3,303.00	1,101.00	(C)
• 12 Months	3,138.00	1,046.00	
• 24 Months	2,985.00	995.00	
• 36 Months	2,807.70	935.90	
• 60 Months	2,642.40	880.80	
i. 50 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	3,504.00	1,168.00	(C)
• 12 Months	3,328.80	1,109.60	
• 24 Months	3,165.00	1,055.00	
• 36 Months	2,978.40	992.80	
• 60 Months	2,803.20	934.40	
j. 60 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	3,705.00	1,235.00	(C)
• 12 Months	3,519.90	1,173.30	
• 24 Months	3,345.00	1,115.00	
• 36 Months	3,149.40	1,049.80	
• 60 Months	2,964.00	988.00	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports(Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
k. 70 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	\$3,906.00	\$1,302.00	(C)
• 12 Months	3,710.70	1,236.90	
• 24 Months	3,525.00	1,175.00	
• 36 Months	3,320.10	1,106.70	
• 60 Months	3,124.80	1,041.60	
l. 80 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	4,107.00	1,369.00	(C)
• 12 Months	3,901.80	1,300.60	
• 24 Months	3,705.00	1,235.00	
• 36 Months	3,491.10	1,163.70	
• 60 Months	3,285.60	1,095.20	
m. 90 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	4,308.00	1,436.00	(C)
• 12 Months	4,092.60	1,364.20	
• 24 Months	3,885.00	1,295.00	
• 36 Months	3,661.80	1,220.60	
• 60 Months	3,446.40	1,148.80	
n. 100 Bandwidth, Per 100/1,000 Mbps Port			(C)
• Monthly	4,500.00	1,500.00	(C)
• 12 Months	4,275.00	1,425.00	
• 24 Months	4,065.00	1,355.00	
• 36 Months	3,825.00	1,275.00	
• 60 Months	3,600.00	1,200.00	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports(Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
o. 100 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	\$4,500.00	\$1,500.00	(C)
• 12 Months	4,275.00	1,425.00	
• 24 Months	4,065.00	1,355.00	
• 36 Months	3,825.00	1,275.00	
• 60 Months	3,600.00	1,200.00	
p. 200 Bandwidth, Per 1,000 Mbps Ports			
• Monthly	6,267.00	2,089.00	(C)
• 12 Months	5,952.00	1,984.60	
• 24 Months	5,655.00	1,885.00	
• 36 Months	5,327.10	1,775.70	
• 60 Months	5,013.60	1,671.20	
q. 300 Bandwidth, Per 1,000 Mbps Ports			
• Monthly	8,034.00	2,678.00	(C)
• 12 Months	7,632.30	2,544.10	
• 24 Months	7,245.00	2,415.00	
• 36 Months	6,828.90	2,276.30	
• 60 Months	6,427.20	2,142.40	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports(Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
r. 400 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	\$ 9,801.00	\$3,267.00	(C)
• 12 Months	9,311.10	3,103.70	
• 24 Months	8,835.00	2,945.00	
• 36 Months	8,331.00	2,777.00	
• 60 Months	7,840.80	2,613.60	
s. 500 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	11,568.00	3,856.00	(C)
• 12 Months	10,989.60	3,663.20	
• 24 Months	10,425.00	3,475.00	
• 36 Months	9,832.80	3,277.60	
• 60 Months	9,254.40	3,084.80	
t. 600 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	13,335.00	4,445.00	(C)
• 12 Months	12,668.40	4,222.80	
• 24 Months	12,015.00	4,005.00	
• 36 Months	11,334.90	3,778.30	
• 60 Months	10,668.00	3,556.00	
u. 700 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	15,102.00	5,034.00	(C)
• 12 Months	14,346.90	4,782.30	
• 24 Months	13,605.00	4,535.00	
• 36 Months	12,836.70	4,278.90	
• 60 Months	12,081.60	4,027.20	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**1. Customer Premises Bandwidth for 10/100/1,000 Mbps Ports(Cont'd)**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	
v. 800 Bandwidth, Per 1,000 Mbps Ports			(C)
• Monthly	\$16,869.00	\$ 5,623.00	(C)
• 12 Months	16,025.70	5,341.90	
• 24 Months	15,195.00	5,065.00	
• 36 Months	14,338.80	4,779.60	
• 60 Months	13,495.20	4,498.40	
w. 900 Bandwidth, Per 1,000 Mbps Ports			
• Monthly	18,636.00	6,212.00	(C)
• 12 Months	17,704.20	5,901.40	
• 24 Months	16,785.00	5,595.00	
• 36 Months	15,840.60	5,280.20	
• 60 Months	14,908.80	4,969.60	
x. 1,000 Bandwidth, Per 1,000 Mbps Ports			
• Monthly	20,400.00	6,800.00	(C)
• 12 Months	19,380.00	6,460.00	
• 24 Months	18,375.00	6,125.00	
• 36 Months	17,340.00	5,780.00	
• 60 Months	16,320.00	5,440.00	

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile(Cont'd)**

**2. Central Office MOE Bandwidth Profile for 1,000 Mbps Ports**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	(C)
a. 100 Bandwidth, Per 1,000 Mbps Port			
• Monthly	\$ 1,692.00	\$ 564.00	(C)
• 12 Months	1,608.00	536.00	—
• 24 Months	1,524.00	508.00	—
• 36 Months	1,437.00	479.00	—
• 60 Months	1,353.00	451.00	(C)
b. 600 Bandwidth, Per 1,000 Mbps Port			
• Monthly	5,838.00	1,946.00	(C)
• 12 Months	5,547.00	1,849.00	—
• 24 Months	5,253.00	1,751.00	—
• 36 Months	4,962.00	1,654.00	—
• 60 Months	4,671.00	1,557.00	(C)
c. 1,000 Bandwidth, Per 1,000 Mbps Port			
• Monthly	9,156.00	3,052.00	(C)
• 12 Months	8,697.00	2,899.00	—
• 24 Months	8,241.00	2,747.00	—
• 36 Months	7,782.00	2,594.00	—
• 60 Months	7,323.00	2,441.00	(C)

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile(Cont'd)**

**3. EwET MOE Bandwidth Profile for 10/100 Mbps Ports[1]**

(T)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
a. 5 Bandwidth, Per 10/100 Mbps Port		
• Monthly	\$666.00	\$222.00
• 12 Months	633.00	211.00
• 24 Months	600.00	200.00
• 36 Months	567.00	189.00
• 60 Months	534.00	178.00
b. 10 Bandwidth, Per 10/100/1,000 Mbps Port		
• Monthly	699.00	233.00
• 12 Months	663.00	221.00
• 24 Months	630.00	210.00
• 36 Months	594.00	198.00
• 60 Months	558.00	186.00
c. 20 Bandwidth, Per 10/100/1,000 Mbps Port		
• Monthly	759.00	253.00
• 12 Months	720.00	240.00
• 24 Months	684.00	228.00
• 36 Months	645.00	215.00
• 60 Months	606.00	202.00

[1] EwET is no longer available to new customers after December 15, 2018.

(N)

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

**B. Bandwidth Profile**

**3. EwET MOE Bandwidth Profile for 10/100 Mbps Ports[1] (Cont'd)**

(T)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
d. 30 Bandwidth, Per 10/100/1,000 Mbps Port		
• Monthly	\$822.00	\$274.00
• 12 Months	780.00	260.00
• 24 Months	741.00	247.00
• 36 Months	699.00	233.00
• 60 Months	657.00	219.00
e. 40 Bandwidth, Per 10/100/1,000 Mbps Port		
• Monthly	882.00	294.00
• 12 Months	837.00	279.00
• 24 Months	795.00	265.00
• 36 Months	750.00	250.00
• 60 Months	705.00	235.00

[1] EwET is no longer available to new customers after December 15, 2018.

(N)

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES(Cont'd)**

C. EwET Customer Interface[1]

(T)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>
• Monthly	\$360.00	\$120.00
• 12 Months	342.00	114.00
• 24 Months	324.00	108.00
• 36 Months	306.00	102.00
• 60 Months	288.00	96.00

D. Central Office Connecting Channel  
(COCC)

	<b>MAXIMUM RATE</b>	<b>NONRECURRING CHARGE</b>	<b>CURRENT MONTHLY RATE</b>
• Monthly	\$30.00	-	\$10.00
• Nonrecurring	90.00	30.00	

[1] EwET is no longer available to new customers after December 15, 2018.

(N)

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES (Cont'd)

#### E. Optional Features

##### 1. Ethernet Virtual Connection (EVC) or Operator Virtual Connection (OVC)

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(C)
• Monthly: per EVC or OVC, per port	\$150.00	\$50.00	(C)

##### 2. Quality of Service (QoS)

##### a. Committed Information Rate (CIR) Class of Service

##### (1) Real Time

• 1 Mbps	\$54.00	\$18.00	(C)
• 2 Mbps	78.00	26.00	
• 3 Mbps	102.00	34.00	
• 4 Mbps	126.00	42.00	
• 5 Mbps	150.00	50.00	
• 6 Mbps	174.00	58.00	
• 7 Mbps	198.00	66.00	
• 8 Mbps	222.00	74.00	
• 9 Mbps	246.00	82.00	
• 10 Mbps	270.00	90.00	(C)

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES

#### E. Optional Features

#### 2. Quality of Service (QoS)

#### a. Committed Information Rate (CIR)

#### Class of Service

#### (1) Real Time (Cont'd)

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(C)
• 20 Mbps	\$ 330.00	\$110.00	(C)
• 30 Mbps	390.00	130.00	(C)
• 40 Mbps	450.00	150.00	
• 50 Mbps	510.00	170.00	
• 60 Mbps	570.00	190.00	
• 70 Mbps	630.00	210.00	
• 80 Mbps	690.00	230.00	
• 90 Mbps	750.00	250.00	
• 100 Mbps	810.00	270.00	
• 200 Mbps	1,032.00	344.00	
• 300 Mbps	1,254.00	418.00	
• 400 Mbps	1,476.00	492.00	
• 500 Mbps	1,698.00	566.00	(C)

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**10. METRO OPTICAL ETHERNET (MOE)**

**10.5 RATES AND CHARGES**

E. Optional Features

2. Quality of Service (QoS)

a. Committed Information Rate (CIR)

Class of Service

(1) Real Time (Cont'd)

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	(C)
• 600 Mbps	\$1,920.00	\$640.00	(C)
• 700 Mbps	2,142.00	714.00	(C)
• 800 Mbps	2,364.00	788.00	
• 900 Mbps	2,586.00	862.00	
• 1000 Mbps	2,808.00	936.00	

(2) Guaranteed Data

• 1 Mbps	33.00	11.00	(C)
• 2 Mbps	48.00	16.00	(C)
• 3 Mbps	60.00	20.00	
• 4 Mbps	75.00	25.00	
• 5 Mbps	90.00	30.00	
• 6 Mbps	105.00	35.00	
• 7 Mbps	120.00	40.00	
• 8 Mbps	132.00	44.00	
• 9 Mbps	147.00	49.00	
• 10 Mbps	162.00	54.00	

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES

#### E. Optional Features

#### 2. Quality of Service (QoS)

#### a. Committed Information Rate (CIR)

#### Class of Service

#### (2) Guaranteed Data (Cont'd)

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(C)
• 20 Mbps	\$ 198.00	\$ 66.00	(C)
• 30 Mbps	234.00	78.00	(C)
• 40 Mbps	270.00	90.00	
• 50 Mbps	306.00	102.00	
• 60 Mbps	342.00	114.00	
• 70 Mbps	378.00	126.00	
• 80 Mbps	414.00	138.00	
• 90 Mbps	450.00	150.00	
• 100 Mbps	486.00	162.00	
• 200 Mbps	618.00	206.00	
• 300 Mbps	753.00	251.00	
• 400 Mbps	885.00	295.00	
• 500 Mbps	1,020.00	340.00	

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES

- E. Optional Features
  - 2. Quality of Service (QoS)
    - a. Committed Information Rate (CIR)
      - Class of Service
  - (2) Guaranteed Data (Cont'd)

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(C)
• 600 Mbps	\$1,152.00	\$384.00	(C)
• 700 Mbps	1,284.00	428.00	(C)
• 800 Mbps	1,419.00	473.00	
• 900 Mbps	1,551.00	517.00	
• 1000 Mbps	1,686.00	562.00	

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## **10. METRO OPTICAL ETHERNET (MOE)**

### **10.5 RATES AND CHARGES**

#### **E. Optional Features**

#### **2. Quality of Service (Cont'd)**

#### **b. Priority Class of Service**

	<b>MAXIMUM MONTHLY RATE</b>	<b>CURRENT MONTHLY RATE</b>	<b>(C)</b>
(1) Per 3 Mbps of Priority 1 Traffic [1]; per EVC or OVC, per port			
• Monthly	\$120.00	\$40.00	(C)
• 12 Months	105.00	35.00	
• 24 Months	90.00	30.00	
• 36 Months	75.00	25.00	
• 60 Months	60.00	20.00	(C)
(2) Per 5 Mbps of Priority 1 Traffic; per EVC or OVC, per port			
• Monthly	\$195.00	\$65.00	(C)
• 12 Months	165.00	55.00	
• 24 Months	150.00	50.00	
• 36 Months	120.00	40.00	
• 60 Months	105.00	35.00	(C)
	<b>NONRECURRING CHARGE MAXIMUM</b>	<b>CURRENT</b>	<b>(C)</b>
(3) Per Change to an Existing Template [2];			
• per Template	\$350.00	\$175.00	(C)

[1] 3 Mbps of Priority 1 is only available for 3 Mbps, 5 Mbps and 7 Mbps Bandwidth Profiles.

[2] When the initial order is placed for Quality of Service, a Nonrecurring Charge (NRC) per Template will not apply. However, an NRC will apply any time an existing template is changed.

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## 10. METRO OPTICAL ETHERNET (MOE)

### 10.5 RATES AND CHARGES

#### E. Optional Features

##### 3. Protect Routing

	MAXIMUM MONTHLY RATE	CURRENT MONTHLY RATE	(C)
a. Per 10/100 Mbps, MOE Port			
• Monthly	\$3,600.00	\$1,200.00	(C)
• 12 Months	3,300.00	1,100.00	
• 24 Months	3,150.00	1,050.00	
• 36 Months	2,850.00	950.00	
• 60 Months	2,700.00	900.00	
b. Per 1,000 Mbps, MOE Port			
• Monthly	4,500.00	1,500.00	(C)
• 12 Months	4,200.00	1,400.00	
• 24 Months	4,050.00	1,350.00	
• 36 Months	3,750.00	1,250.00	
• 60 Months	3,600.00	1,200.00	