

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

ALPHABETICAL BY SUBJECT	PAGE
Changes of Service.....	8-3
Frame Relay Service (FRS) .....	8-50
Pricing Plans .....	8-63
Rate Elements .....	8-61
Rates and Charges.....	8-74
Regulations .....	8-60
Grandfathered Advanced Communications Networks Services .....	8-141
FRS Renewal Discount Plan for Fixed Period Rate Plans.....	8-144
2008 FRS Renewal Discount Plan for Fixed Period Rate Plans.....	8-146
<i>QWEST DSL</i> Service .....	8-148
General .....	8-1
Changes of Service.....	8-3
Moves.....	8-2
Order Modifications.....	8-1
Prepayment Discount .....	8-16
Promotions .....	8-17
Special Construction .....	8-1
Spread of Nonrecurring Charges.....	8-14
Termination Liability and Waiver Policy.....	8-5

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

ALPHABETICAL BY SUBJECT	PAGE
Modem Aggregation Service (Grandfathered).....	8-135
Pricing Plans .....	8-138
Rate Elements .....	8-137
Rates and Charges.....	8-139
Moves .....	8-2
Order Modifications.....	8-1
Promotions .....	8-17
Public Packet Switching Network .....	8-18
Pricing Plans .....	8-34
Rate Elements .....	8-27
Rates and Charges.....	8-37
Regulations .....	8-26
<i>QWEST DSL</i> Service(Grandfathered) .....	8-148
Pricing Plans .....	8-166
Service Elements.....	8-151
Rates and Charges.....	8-182
Rate Elements .....	8-163
Regulations .....	8-160
Special Construction .....	8-1
Termination Liability and Waiver Policy.....	8-5

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL**

Advanced Communications Networks (ACS) consists of the Public Packet Switching Network (PPSN) and Frame Relay Service (FRS) up to 128 kbps.

**8.1.1 SPECIAL CONSTRUCTION**

FRS will be available at Company Service Point locations. The offering of FRS contemplates the use of existing facilities. There may be occasions when the service is not available due to facility limitations, or where it may be necessary to construct such facilities as either normal or Special Construction. If Special Construction is involved, the regulations as set forth in CenturyLink Operating Companies Tariff F.C.C. No. 12, apply.

**8.1.2 ORDER MODIFICATIONS**

PPSN and FRS are ordered under the Access Order provisions as set forth in Section 5, preceding.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL(Cont'd)****8.1.3 MOVES**

A move involves a 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 upon 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**

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 for FRS customers may be eligible for portability, as described in 8.3.4.F., following.

As of May 29, 1995 moves to a different building with an upgrade in transmission speed for customers subscribing to pricing plans in this Section will be subject to the Termination Liability and Waiver Plan as set forth in 8.1.5. FRS customers who subscribe to Pricing Plans in effective as of November 14, 1994 and who move to a different building, may be eligible for the phased-in installation rates and charges regulations as set forth in 8.3.4.B., following.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL (Cont'd)****8.1.4 CHANGES OF SERVICE**

The following rearrangements and changes apply to Frame Relay Service (FRS).

**A. Service Rearrangements**

Service rearrangements are changes to existing service 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 as described in 8.3.2.A.

1. For additions to existing service, nonrecurring charges associated with the added service element will apply.
2. 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).
3. With the exception of PVCs, an addendum to the existing fixed period plan is required when service elements are added to an existing fixed period plan. PVCs may be added to existing fixed period plans on a month-to-month basis without an addendum to the existing fixed period plan.
4. When PVCs are added to an existing FRS, the minimum period is one month.
5. A subsequent PVC order charge, as set forth in 8.3.2.A. will apply to add or change PVC assignments.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.4 CHANGES OF SERVICE (Cont'd)****B. Administrative Changes**

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name; i.e., the customer of record does not change but rather the customer of record changes its name; e.g., XYZ Company to XYZ Communications,
- Change of customer 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,
- Change of customer service element identification, and
- Change in jurisdiction for FRS.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL (Cont'd)****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY****A. General**

Termination Liability and Waiver Policy provides the terms and conditions for customers subscribing to Pricing Plans as set forth in each Pricing Plan. As of May 29, 1995 new customers subscribing to ACS Pricing Plans are subject to the Termination Liability and Waiver Policy terms and conditions in lieu of the Discontinuance Charges, Portability (except for FRS Portability without upgrade in transmission speed, as set forth in 8.3.4.F.) and Upgrades in Service and Transmission Speed as set forth in the Pricing Plans. Customers with Pricing Plans in service prior to May 29, 1995 may utilize the terms and conditions of their pricing plans and portability or the Termination Liability and Waiver Policy. This offer is valid until either the expiration date of their existing term or until the expiration of the respective terms, as set forth in the pricing plans, whichever comes first.

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period, termination charges, as set forth in B., following, will apply.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY (Cont'd)****B. Termination Liability**

Customers with Pricing Plans in service prior to August 12, 1997, will retain a Termination Liability of 15% and the minimum billing level requirement of 80% of the total monthly rates for the service, until the expiration of their existing fixed period.

If a customer chooses to discontinue the entire service or a portion of the service prior to the expiration of the fixed period service, termination charges apply (unless the customer satisfies the conditions specified in the Waiver Policy as set forth in C., following).

Should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges will apply. The termination charge is 100% of the minimum billing level for the remaining months of the minimum service period, plus 15% for Public Packet Switching or 25% for Frame Relay of the remaining portion of the fixed period service. Should the customer choose to discontinue fixed period service after the completion of the minimum period, termination charges equal to 15% for Public Packet Switching or 25% for Frame Relay of the minimum billing level for the remaining portion of the fixed period service will apply. For example, if a Frame Relay customer discontinues a service including the Access Link after completing 17 months of a 36-month term, the termination charge will be the minimum billing level for the service, multiplied by 25%, multiplied by 19 months.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY****B. Termination Liability (Cont'd)**

The minimum billing level is used to calculate the termination charge. The minimum billing level for Packet Switching is 100% of the total monthly rates for the rate elements being discontinued. The minimum billing levels for Frame Relay Service is as follows:

**1. Standard Minimum Billing Level for FRS**

The Standard Minimum Billing Level (SMBL) for Frame Relay is 100% of the monthly rates for the rate elements being discontinued, except for the FRS User-To-Network Information Transfer (UNIT) or Network-To-Network Information Transfer (NNIT). The minimum billing level for the UNIT or NNIT is 100% of the monthly rate for a UNIT or NNIT with 1 PVC, based on the customer's existing fixed period service rate plan and the speed of the associated UNIT or NNIT.

**2. Optional Minimum Billing Level for FRS**

The Optional Minimum Billing Level (OMBL) for Frame Relay Service (FRS) is a plan that gives eligible customers the flexibility to remove and add circuits within Company territory without incurring a Termination Liability Assessment (TLA) as long as they stay at or above their TLA threshold level. Eligible customers who subscribe to this option must designate at the time they subscribe to a fixed period service rate plan which of their FRS recurring revenue will be part of OMBL and which will remain on SMBL. As new FRS is installed, the customer must determine whether to include the new service in the OMBL or SMBL.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY****B. Termination Liability****2. Optional Minimum Billing Level for FRS (Cont'd)**

A customer may have two or more OMBL fixed period service rate plans in effect at the same time.

- Eligibility Requirements:

- Must have an annual projected FRS revenue of \$100,000 or more that will be committed to each OMBL fixed period service rate plan at the time it is established. Determination of the revenue commitment for the first year will be calculated by multiplying the customer's current month FRS revenue by 12.
- Must subscribe to a fixed period service rate plan of 36 months or greater for the OMBL FRS and its designated circuits.

- Terms and Conditions:

- Only FRS recurring (whole and partial month) revenues and associated adjustments of these amounts will be used to calculate the annual revenue commitment.
- The FRS Minimum Service Period (MSP) as set forth in 8.3.4.B., following, applies. The MSP starts with the installation date of each circuit. Should the customer disconnect the circuit prior to the completion of the MSP of six months (PVCs excepted), TLA will apply to the months remaining in the MSP. TLA will not apply beyond the initial six month period.
- All new circuits added will be coterminous with the termination date of the OMBL fixed period service rate plan with which they are associated.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.1 RATE REGULATIONS**

**8.1.5 TERMINATION LIABILITY AND WAIVER POLICY**

**B. Termination Liability**

**2. Optional Minimum Billing Level for FRS (Cont'd)**

- **TLA Threshold**

The threshold amount will be determined as follows:

- In the first year of the fixed period service rate plan, the threshold will be 80% of the customer's revenue commitment at the time the OMBL fixed period service rate plan is established.
- For subsequent years of the fixed period service rate plan, the threshold level will be 80% of the previous year's actual revenue, or the threshold of the previous year, whichever is greater.
- For any year the customer's actual revenue falls below the threshold the TLA threshold for the next year will become 80% of the previous year's actual revenue.

- **Annual Verification**

The OMBL will be validated annually on the anniversary of its establishment date. When the customer's annual revenue exceeds their threshold TLA will not be assessed. When the customer's annual revenue falls below their threshold, a Shortfall Calculation will be made as follows.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.1 RATE REGULATIONS**

**8.1.5 TERMINATION LIABILITY AND WAIVER POLICY**

**B. Termination Liability**

**2. Optional Minimum Billing Level for FRS (Cont'd)**

**• Shortfall Calculation**

In the event the customer's annual revenue falls below the threshold then a TLA will be calculated as follows:

- $(25\%) \times (\text{Revenue Shortfall (TLA threshold} - \text{actual revenue)}) \times (\text{number of years remaining in the fixed period service rate plan}).$
- Example: Assume a customer has an annual revenue commitment of \$200,000 and a corresponding TLA threshold of \$160,000 (80% of the annual revenue commitment). The OMBL recurring FRS revenue billed for the 3rd year of a 60 month fixed period service rate plan is \$140,000. The TLA would be calculated as follows:

$$(25\%) \times (\$20,000 (\$160,000 - \$140,000)) \times (2) = \$10,000$$

In addition, the TLA threshold for year 4 would be adjusted downward from \$160,000 (80% of \$200,000) to \$112,000 (80% of \$140,000).

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.1 GENERAL

## 8.1.5 TERMINATION LIABILITY AND WAIVER POLICY (Cont'd)

## C. Waiver Policy

A waiver of the termination charge as set forth in B., preceding, may occur if the customer moves to a different building within the Company territory or migrates to another Company service or transmission speed (e.g., 56 kbps FRS to 128 kbps FRS, or changes in the Access Link, UNIT or NNIT transmission speeds) provided all of the following conditions are met:

- The customer must agree to a new pricing plan for the new service, except for FRS as set forth following and in 8.3.4.B.;
- The customer must satisfy the minimum service period requirement--should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges, as is set forth in B., preceding, will apply;
- The total value of the new service must be equal to or greater than 115% the remaining value of the existing pricing plan service (nonrecurring charges and Special Construction charges will not be used towards the Waiver calculation);
- The order to disconnect the existing service and the order for the new service are received by the Company at the same time and both orders must reference the application of the waiver policy;
- The new service due date must be within 30 days of the due date of the disconnection of the old service, unless the installation is delayed due to Company reasons;
- New minimum service period applies to the new service, except as set forth in 8.3.4.B., following.
- The customer agrees to pay all outstanding recurring and nonrecurring charges (these charges will not be included in the new service pricing plan); and
- Applicable nonrecurring charges apply and are the charges in effect at the time the service is changed, except as set forth in 8.3.4.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY (Cont'd)****D. Nonappropriations Clause**

Termination Liability and Waiver Policy does not apply to ACS Pricing Plan services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:

- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
- Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
- Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,
- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and,

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.1 GENERAL****8.1.5 TERMINATION LIABILITY AND WAIVER POLICY****D. Nonappropriations Clause (Cont'd)**

- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose.

The fixed period service may be terminated by giving the Company not less than 30 days written notice. Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5. Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.1 GENERAL (Cont'd)

## 8.1.6 SPREAD OF NONRECURRING CHARGES

## A. Frame Relay Service

At the customer's request, nonrecurring charges for FRS provided under the Pricing Plan may be amortized over the term of the fixed period and billed monthly. Nonrecurring charges billed in this manner (i.e., as an annuity), shall be subject to interest charges which the Company will include in each monthly installment.

The Company will calculate the monthly annuity, including principal and interest, using the following Annuity from a Present Amount formula:

$$\text{Monthly Annuity} = (\text{Nonrecurring Charge}) \frac{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}{\left(1 + \frac{i}{12}\right)^n - 1}$$

In the above formula, the variable "i" is the Company's Pretax Incremental Cost of Capital rate in effect when the monthly annuity amount is calculated. The variable "n" (an exponent) is the term of the fixed period in months.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.1 GENERAL

## 8.1.6 SPREAD OF NONRECURRING CHARGES

## A. Frame Relay Service (Cont'd)

If the customer discontinues FRS, changes to a lower speed service, moves or upgrades service, prior to the completion of the fixed period, the total remaining unpaid monthly annuity payments for the recovery of the nonrecurring charge must be paid immediately as a one-time charge. The Company will calculate this one-time charge using the following Present Value of an Annuity formula:

$$\text{One-time Charge} = (\text{Monthly Annuity}) \frac{\left(1 + \frac{i}{12}\right)^n - 1}{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}$$

In the formula directly above, the variable "i" is the Company's Pretax Incremental Cost of Capital in effect when the one-time charge amount is calculated. The variable "n" (an exponent) is the total number of remaining unpaid monthly annuity payments.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.1 GENERAL (Cont'd)

## 8.1.7 PREPAYMENT DISCOUNT

## A. Frame Relay Service

At the customer's request, recurring rates for FRS provided under a Pricing Plan may be prepaid in whole or in part. The Company will calculate the prepayment amount using the following Present Value of an Annuity formula:

$$\text{Prepayment} = (\text{Recurring Rate}) \frac{\left(1 + \frac{i}{12}\right)^n - 1}{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}$$

In the above formula, the variable "i" is equal to the Treasury rate plus a prepayment premium expressed as an Annual Percentage Rate (APR). The variable "n" (an exponent) is a fixed period in months for which the customer requests to prepay the recurring rate in whole or in part.

If the customer discontinues the prepaid service in whole or in part prior to the expiration of the original fixed period, the Company will calculate the Present Value of an Annuity refund amount by using the same rate at which the prepayment was initially calculated. From this credit, Termination Liability charges as specified in 8.1.5, preceding, are subtracted. If a credit balance remains, the Company will return it to the customer.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.1 GENERAL (Cont'd)**

**8.1.8 PROMOTIONS**

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL**

Public Packet Switching Network (PPSN) is a service, which utilizes packet switching technology and digital transmission facilities to provide common user switched data transport. PPSN consists of Packet Switch Nodes (PSN), Packet Switch Service Points (PSSPs) with modems or data service units (DSUs) and digital facilities. PPSN provides for simultaneous two-way transmission of data signals at various speeds within a PSSP, between two PSSPs, or between a PSSP and a PSN. PPSN connects customers to other customers (end users, Information Service Providers, Interexchange Carriers and other Packet Networks) served from PSSPs and PSNs.

Messages are transported through the network in data packets. Packets remain in the proper sequence by means of the establishment of virtual circuits using transport capabilities of the X.25 or X.75 protocols.

Customers may access the PPSN at those wire centers where PSSPs and/or PSNs are located. These locations are listed in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.

**A. Types of Access**

PPSN provides the ability for customers to originate or terminate data calls to other customers connected to the service. The type of service available to a customer is dependent on the manner in which the customer accesses the network. There are five types of access available:

- Public Dial Access (to Packet Switch Service Points)
- PSSP Access (via Private Line Transport Service)
- PSN Access (via Private Line Transport Service)
- Private Dial Access (to Packet Switch Service Points)

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL****A. Types of Access (Cont'd)****1. Public Dial Access (to Packet Switch Service Points)**

Customers may access the PPSN Service Public Dial Access ports at PSSPs by dialing the 7- or 10-digit telephone number assigned to the port. The rates and charges for the circuit-switched call placed over the voice telephone network are not included in this service. The charges for the circuit-switched call will be charged by the vendor of that service directly to the customer. In addition, the rates and charges for exchange services are not included.

Public Dial Access ports provide X.3, X.28 and X.29 asynchronous protocol connections at 300 and 1200 bps, 2.4 and 9.6 kbps and may originate calls to PSSP and PSN Access Ports only. All calls originated from Public Dial Access Ports must be billed to the called party (Reverse Charge). If the called party does not accept the charges, the call will be blocked and cleared.

**2. PSSP Access (Via Private Line Transport Service)**

Customers may access the PPSN Service at PSSPs via analog or digital Private Line Transport Service channels as described in Section 7, preceding. Analog Private Line Service - Voice Grade, VG6 or VG10, channels may be used to access the analog ports or Digital Data Service channels may be used to access the synchronous digital ports.

PSSP Access Ports may be either analog or digital synchronous X.25 protocol. Analog ports provide synchronous connections to the PSSP at speeds of 2.4, 4.8, or 9.6 kbps with X.25 protocol.

PSSP Access Ports may both originate and terminate calls (messages) as described following:

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL****A. Types of Access****2. PSSP Access (Via Private Line Transport Service) (Cont'd)****a. Originating Calls**

Calls may be placed to other PSSP Access Ports or to PSN Access Ports. Originating calls are initiated by the PSSP Access customer and are billed according to the billing option selected as follows:

**Prepaid**

Unless specifically identified on a call by call basis all originating traffic will be charged to the calling party.

**Reverse Charge Billing**

Unless specifically identified on a call by call basis all originating traffic will be reverse charged to the called party.

**b. Terminating Calls**

Terminating calls may be received from originating Dial Access Ports, PSSP Access Ports, or PSN Access Ports. The types of calls received are dependent on the billing option selected as follows:

**Reverse Charge Acceptance**

Customers who select this option will accept the charges for all calls sent to the network address(es) assigned to the customer.

**Reverse Charge Denied**

Customers who select this option will only be able to receive calls that have been billed to the originating caller (prepaid). When this option is elected, calls from dial access customers cannot be received.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL****A. Types of Access (Cont'd)****3. PSN Access (Via Private Line Transport Service)**

Packet Switch Node (PSN) Ports provide the customer with direct access to a Packet Switch Node. The customer may access the PSN Ports via Analog Private Line Service - Voice Grade, VG6 or VG10, or Digital Data Service channels as described in Section 7. PSN Access Ports may be either X.25 or X.75 protocol connections at speeds of 9.6 kbps analog or 9.6 or 56 kbps digital.

PSN Access Ports may both originate or terminate calls (messages) as described following:

**a. Originating Calls**

Originating calls may be placed to other PSN Access Ports or to PSSP Access Ports. Originating calls are initiated by the PSN Access customer and are billed according to the default billing option selected:

**Prepaid**

Unless specifically identified on a call by call basis all originating traffic will be charged to the calling party.

**Reverse Charge Billing**

Unless specifically identified on a call by call basis all originating traffic will be reverse charged to the called party.

**b. Terminating Calls**

Terminating Calls may be received from originating Private or Public Dial Access Ports, PSSP Access Ports or PSN Access Ports. PSN Access customers must subscribe to Reverse Charge Acceptance.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL****A. Types of Access (Cont'd)****4. Private Dial Access (to Packet Switch Service Points)**

Customers may access the PPSN Private Dial Access ports at PSSPs by dialing the unique 7- or 10-digit telephone number assigned to the port(s). The rates and charges for the circuit switched call placed over the voice telephone network are not included in this service. The charges for the circuit switched call will be charged by the vendor of that service directly to the customer.

Private Dial Access ports provide X.3, X.28 and X.29 asynchronous protocol connections at 300 and 1200 bps, 2.4 and 9.6 kbps and synchronous X.32 protocol connections at 9.6 kbps. Private Dial Access ports may originate calls to PSSP and PSN Access ports only. All calls originating from Private Dial Access ports are billed according to 2.a., preceding.

The Private Dial Access port includes a connection to the local switched telecommunications network for the termination of voice telephone network calls at the PSSP. This connection does not provide for a listing in the local exchange telephone directory, and may be arranged as a single line or, for multiple lines, they may be provided in a hunting arrangement.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL (Cont'd)****B. Performance and Interconnection Specifications**

PPSN Service provides high quality transport of data using packet switching and digital transmission facilities. The customer shall provide data terminal equipment in accordance with the interface specifications as described in the Qwest Corporation Technical Publication PUB 77359. Flexible interconnection arrangements are available to the customer as described following:

**1. Public Dial Access**

Public Dial Access is initiated by the customer dialing the PSSP access number (NPA) N29-2929 via the circuit switched telephone network. Dial Access supports asynchronous protocol only at transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps.

- Dial access is not recommended from multiparty exchange service.
- To preclude operator interruptions, public dial access is not recommended from a coin operated telephone except on a third party or credit card basis.

**2. PSSP Access**

PSSP Access is provided through channels (circuits) as defined in Section 7, preceding, to connect the customer through a modem or data service unit (DSU) to a port on the PSSP. PSSP Access supports synchronous X.25 protocol and has a unique network address.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.1 GENERAL****B. Performance and Interconnection Specifications****2. PSSP Access (Cont'd)**

The X.25 protocol provides the capability of establishing multiple virtual communication links from the customer through the PPSN Network. X.25 protocol ports will interface with analog or digital channels. Analog speeds are 2.4, 4.8 and 9.6 kbps. Digital speeds are 2.4, 4.8, 9.6, and 56 kbps.

**3. PSN Access**

PSN Access is provided through channels (circuits) as defined in Section 7, preceding, to connect a customer directly to a port on the PSN. This arrangement supports high speed 9.6 or 56 kbps channels and either X.25 or X.75 protocol. X.75 protocol provides load distribution. PSN Access has the capability of establishing multiple virtual communication links from the customer through the PPSN.

Analog access is available only at 9.6 kbps. Digital access is available at 9.6 and 56 kbps.

**4. Private Dial Access**

Private Dial Access is provided through the voice telecommunications network, as defined in 8.2.1.A.4., preceding, to connect the customer, through an analog modem, to a port on the PSSP. Private Dial Access supports asynchronous (X.3, X.28, X.29) protocol only at transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps and synchronous (X.32) protocol only at a transmission speed of 9.6 kbps.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.1 GENERAL (Cont'd)

## C. Generic Names

The following list of Company-designated BSEs identifies the generic equivalent name for each of the BSEs from Telcordia's ONA Services Users Guide, dated July 31, 1991.

GENERIC	QWEST CORPORATION
Call Redirection	Redirection
Call Redirection	Closed User Group
Call Redirection	Fast Select Acceptance
Default Window Size	Nonstandard Window Size
Flow Control Parameter Negotiation - Packet	Flow Control Parameters
Hunt Groups - Packet	Multiple Port Hunt Group
Hunt Groups - Packet	Reverse Charge Acceptance
Incoming Access Barred - Packet	CUG Incoming Access Barred
Logical Channel Layout - Packet	Logical Channel Layout
Logical Channels - Packet	Logical Channel
Multiple Network Address/Port	Multiple Network Addresses
Outgoing Calls Barred - Packet	CUG Outgoing Access Barred
Permanent Virtual Circuit - Packet	Permanent Virtual Circuit
Reverse Charge Request Option - Packet	Reverse Charge Option

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.2 PUBLIC PACKET SWITCHING NETWORK (Cont'd)**

**8.2.2 REGULATIONS**

**A. General**

1. PSSP and PSN access customers must subscribe to an adequate number of channels to handle terminating calls in order not to impair the performance of PPSN.
2. Multiple Network Addresses are available in blocks of 10. One address is included with the port.

**B. Rate Regulations**

1. The minimum service period for PPSN monthly rate categories is 1 month. The minimum period for Public Packet Switching Pricing Plan is 12 months.
2. For dial access, the minimum usage per call for the Network Connection Time is one minute.
3. The minimum usage per call for Packet Transport is one segment.
4. The minimum charge for all Private Line Transport Services channels connected to PPSN is as specified in Section 7 or 17 depending upon the degree of Pricing Flexibility granted to the customer's wire center.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK (Cont'd)****8.2.3 RATE ELEMENTS**

There are four rate categories which may apply to the PPSN Service:

- PSSP, PSN, and Private Dial Port Access Connection
- Network Usage (Including Dial Access)
- Port Features and Basic Service Elements (BSEs)
- Rearrangement Charge

In addition, the rates and charges for Private Line Transport Service apply for each private line channel between a customer's designated premises and a PSSP or PSN port. Application of the rates and charges apply as described in Section 7 or 17, depending upon the degree of Pricing Flexibility granted to the customer's wire center. The appropriate vendor's rates apply for circuit switched calls to dial access ports. In addition, rates and charges for exchange services are not included.

**A. PSSP, PSN, and Private Dial Ports Access Connections**

The Access Connection, Access Port rate category provides a dedicated connection at a PSSP or PSN. The Private Dial Access port provides for a local exchange switched connection at the PSSP. There are two types of dedicated access ports, the PSSP Access Port described in 1., following, and the PSN Access Port described in 2., following. The Private Dial Access Port is described in 3., following.

1. PSSP Access Port provides the customer with a dedicated analog or digital access through a modem or Data Service Unit (DSU) to a port on a PSSP. Transmission speeds of 2.4, 4.8, 9.6, and 56 kbps with X.25 protocol are available.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS****A. PSSP, PSN, and Private Dial Ports Access Connections (Cont'd)**

2. PSN Access Port provides the customer with dedicated analog or digital access through a modem or DSU to a port on the PSN. Transmission speeds of 9.6 or 56 kbps with X.25 or X.75 protocols are available.
3. Private Dial Access port provides the customer with an analog access, via the public switched network, to a port on a PSSP. Transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps with X.3, X.28, X.29 asynchronous protocol and 9.6 kbps with X.32 synchronous protocol are available.

**B. Network Connect Time (Dial Access Only)**

Dial Access Usage provides for the use of a Dial Access Port other than Private Dial Access Ports, from the time the call is connected until it is terminated. The usage is billed to the terminating network address of the PPSN dial access call on a per minute of connect time basis rounded up to the next whole minute. Usage will be rated at the day rate for that portion of the call in effect during the day rate period (6:00 a.m. 6:00 p.m.) and at the night rate for the portion of the call in effect during the night rate period (after 6:00 p.m. and before 6:00 a.m.) as measured at the Signaling Network Control Center, Denver, Colorado.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS (Cont'd)****C. Port Features and BSEs**

The PSSP and PSN Access customers may select the following port features and BSEs. Some of these features and BSEs are offered at no additional monthly charge. See 8.4.3, following.

1. Access (Asynchronous Only) - One of these three must be selected:
  - a. Incoming Calls Barred - The access port is prevented from accepting incoming virtual calls.
  - b. Outgoing Calls Barred - The access port is prevented from placing outgoing virtual calls.
  - c. Two Way Access - The access port is capable of accepting incoming and placing outgoing calls.
2. Auto Call (Asynchronous only) - Allows the subscriber to access a single, predefined address in lieu of the normal call initiation process. The port may be limited to the sole access of this single address. Where available, the subscriber may override the "Auto Call" option and call another address.
3. Call Redirection (BSE) (Asynchronous and X.25) - At a customer request or in the event of a port failure calls will be directed to a single alternate address. This feature requires the customer to have an alternate port and line designated for this purpose. This feature works automatically concurrent with call initiation.
4. Closed User Group (CUG) (BSE) (Asynchronous, and X.25) - Provides transmission via virtual channels among several specific network addresses arranged into a subnetwork. Each network address may be arranged in a CUG with as many as 10 CUG's available per subscribing host. CUG options are:
  - a. CUG Incoming Access Barred (BSE) - Allows a member of the CUG to originate calls to other members of that CUG, but not receive incoming calls from members of that CUG.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS****C.4 Port Features and BSEs (Cont'd)**

- b. CUG with Incoming Access - Allows a member of a CUG to receive incoming calls from any Data Terminal Equipment (DTE) not in that CUG or from any DTE within that CUG with the "CUG with Outgoing Access" feature.
  - c. CUG Outgoing Access Barred (BSE) - Allows a member of a CUG to receive calls from other members of that CUG, but not originate any calls to members of the CUG.
  - d. CUG with Outgoing Access - Allows a member of a CUG to make outgoing calls to any DTE not in that CUG and to any DTE within that CUG with the "CUG with Incoming Access" feature.
  - e. CUG Access Only - No incoming or outgoing calls allowed outside of that CUG.
- 5. Fast Select Acceptance (BSE) (Asynchronous and X.25) - Permits the request of up to 124 octets of user data in the call initiation packet and acceptance of up to 124 octets of data in the call termination packet. Additional data packets can be accepted following the acceptance of the call initiation packet.
  - 6. Flow Control Parameters (BSE) (Asynchronous, X.25 and X.75) - Permits negotiation on a per call basis of the flow control parameter window size for each direction of data transmission in the network. Window size values of two through seven are supported. Default value is two. Maximum packet size of 256 octets is supported. Default packet size is 128 octets.
  - 7. Link Level Parameters (X.25 and X.75) - Allows the subscriber to specify link level, acknowledgment timer, number of retransmission attempts, and frame size.
  - 8. Logical Channel (BSE) (X.25 and X.75) - Allows the DTE to derive multiple logical channels from a single physical access line. This is accomplished by specifying the logical channel number on every packet that crosses the Network interface.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS****C. Port Features and BSEs (Cont'd)**

9. Logical Channel Layout (BSE) (X.25 and X.75) - Permits the arrangement of logical channels to be configured as incoming, outgoing, two way and/or Private Virtual Circuit (PVC).
10. Mnemonic Addressing (BSE) (Asynchronous, and X.25) - Allows the subscriber to access predefined addresses by utilizing a predesignated alphanumeric unique character(s) in lieu of the normal call initiation process. The port is not limited to sole access of this single address when normal call initiation procedures are followed.
11. Multiple Port Hunt Groups (BSE) (Asynchronous, and X.25) - A group of access ports with a single data network address. The Maximum number of ports available per hunt group is 16.
12. Multiple Network Addresses (BSE) (X.25 only) - One address is included with the port. More than one network address may be assigned to a single access port. Multiple addresses may be purchased in blocks of 10.
13. Network Terminal Profile (Asynchronous only) - Permits assignment of a profile representing the X.3, X.28 and X.29 parameter configuration of the user's asynchronous terminal.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS****C. Port Features and BSEs (Cont'd)**

14. Nonstandard Window Size (BSE) (Asynchronous, X.25 and X.75) - Permits the customer to select a window size of two through seven for either or both directions of transmission. Standard default value is two.
15. Permanent Virtual Circuit (BSE) (Asynchronous, X.25 and X.75) - Permits transmission between two Data Terminal Equipment (DTEs) on the network without the initial packet to establish the call. The transmission path is predefined throughout the network. The default window size for both directions of transmission is two.
16. Reverse Charge Option (BSE) - Allows for the billing of usage charges associated with calls to be billed to the terminating network address.
17. Reverse Charge Acceptance (BSE) (Terminating Calls) - Customers who select this option will accept the charges for all calls sent to the network address(es) assigned to the customer. In order to receive calls from a dial access customer, this option must be selected.
18. Throughput Class Negotiation (X.25 and X.75) - Permits negotiation on a per call basis of the throughput class for each direction of data transmission.
19. X.25 Gateway Option (BSE) - Provides the ability to route calls to a private X.25 network on the PPSN using the first three or six digits of the destination address. It is the responsibility of the private network to route calls to the specific destination address. This feature allows a private network to assign individual addresses to end users while having a single interconnection to the Company over which traffic will be delivered. The X.25 Gateway Option is available for either three- or six-digit screening and will be provided on PSN X.25 ports only.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.3 RATE ELEMENTS****C. Port Features and BSEs (Cont'd)**

20. Default Throughput Class - Permits a default value to be used for the throughput class for each direction of data on a per call basis.
21. Fast Select - Permits a user to transmit data prior to the establishment of a virtual circuit. Users may send up to 128 octets (bytes) of data along with a call request packet. In similar fashion, the called party may respond immediately with up to 128 octets (bytes) of data when accepting the call or requesting call clearance.
22. Nonstandard Packet Size - A feature which permits the customer to select a packet size up to 256 octets (bytes). The default value is 128 octets (bytes).

**D. Rearrangement Charge**

When any feature or group of features listed in 8.2.5.C., following, is added or changed subsequent to initial subscription, a rearrangement charge, as set forth in 8.2.5.D., following, will apply, in addition to the nonrecurring charge associated with each feature added or changed.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK (Cont'd)****8.2.4 PRICING PLANS**

PPSN may be ordered at the customer's option on a month-to-month basis or for fixed periods of 3 years (36 months) or 5 years (60 months). The optional rate plan allows the PPSN customer to order this service with the assurance that there will be no increases in rates during the fixed period. The optional rate plans apply to the PSSP Access Port, PSN Access Port, Private Dial Access, and Logical Channel rate elements.

**A. Fixed Period Service Rate Plans**

The customer may subscribe to a 36- or 60-month fixed period service rate plan. The minimum service period for fixed period service is 12 months. The customer must specify the length of the fixed period service at the time the service is ordered.

For customers that subscribe to fixed period service of 36 or 60 months, the monthly rates for the entire fixed period will be frozen from Company-initiated increases, at the rates in effect for the fixed period on the service date.

All rate elements of a PPSN service to be included in a fixed period service must be ordered under the same term conditions (i.e., all 36 months or all 60 months) and with the same negotiated service date.

Ports and Logical Channels may be added to an existing fixed period on a month-to-month basis or under the same fixed period rate plan as the existing PPSN, but at the rates and charges in effect at the time of the addition.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.4 PRICING PLANS****A. Fixed Period Service Rate Plans (Cont'd)**

At the end of the fixed period service, the customer may convert to month-to-month or subscribe to a new fixed period service. The monthly rates will be adjusted to those in effect for the new fixed period service. Should the customer not make a choice by the end of the fixed period, the rates will automatically revert to the month-to-month option.

If a rate decrease occurs during the term of an existing fixed rate plan contract, the reduced rates will automatically be applied to the remaining term of the current contract period.

Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK****8.2.4 PRICING PLANS (Cont'd)****B. Upgrades In Rate Plan**

Services rated as month-to-month may be upgraded to a fixed period service rate plan at any time the customer chooses without incurring nonrecurring or discontinuance charges, this includes ports and logical channels added subsequently to an existing fixed period rated service but rated as month-to-month (see A., preceding). In addition, customers rated under the 36-month plan may upgrade to the 60-month plan without incurring nonrecurring or discontinuance charges. The monthly rates will be those that are in effect at the time the service is upgraded. New minimum service periods apply to all upgrades.

New minimum service period applies to all Packet Switching Pricing Plan rate elements that are upgraded in the following manner:

- If the service being upgraded has been in place for more than 12 months, minimum period provisions will not apply, or
- If the service being upgraded has been in place for less than 12 months, the time in service will be applied against the minimum period term.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.2 PUBLIC PACKET SWITCHING NETWORK (Cont'd)****8.2.5 RATES AND CHARGES****A. Access Connection - Monthly****1. PSSP Access Port**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 2.4 kbps	LDZ24	\$154.00	\$175.00
- 4.8 kbps	LDZ48	154.00	175.00
- 9.6 kbps	LDZ96	154.00	175.00
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 2.4 kbps	LDD24	154.00	175.00
- 4.8 kbps	LDD48	154.00	175.00
- 9.6 kbps	LDD96	154.00	175.00
- 56 kbps	LDD56	154.00	175.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## A. Access Connection - Monthly (Cont'd)

## 2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 9.6 kbps	L5Z96	\$154.00	\$175.00
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	L5D96	154.00	175.00
- 56 kbps	L5D56	154.00	175.00
• X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of:			
- 9.6 kbps	LDZ97	154.00	175.00
• X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	LDD97	154.00	175.00
- 56 kbps	LDD57	154.00	175.00



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## A. Access Connection - Monthly (Cont'd)

## 3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of:			
- 300 and 1200 bps and 2.4 kbps	LL512	\$154.00	\$252.00
- 9.6 kbps	LL596	154.00	252.00
• Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of:			
- 9.6 kbps	L3XXE	154.00	252.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES (Cont'd)

## B. Network Usage - Monthly

	<b>RATE PER MINUTE</b>
• Network Connect Time, per dial access minute or fraction thereof:	
- Day rate[1]	\$0.060
- Night rate[2]	0.060

[1] Day rate 6:00 a.m. - 6:00 p.m. Local time, Denver, CO.

[2] Night rate after 6:00 p.m. and before 6:00 a.m. Local time, Denver, CO.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES (Cont'd)

## C. Port Features - Monthly

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Incoming Calls Barred	LD91V	—	—
• Outgoing Calls Barred	LD90V	—	—
• Two Way Access	LRV	—	—
• Auto Call, per destination address	LJP	\$10.00	\$1.00
• Call Redirection	LRD	22.00	8.00
• Closed User Group	LDJ	22.00	8.00
• Default Throughput Class	LHE	10.00	1.00
• Fast Select	FSF	10.00	1.00
• Fast Select Acceptance	LD5FS	10.00	1.00
• Flow Control Parameters	LD5FC	—	—

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## C. Port Features – Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Link Level Parameters	LLE	\$10.00	\$1.00
• Logical Channel Layout	LXN	10.00	1.00
• Mnemonic Addressing	PJS	10.00	1.00
• Multiple Port Hunt Groups, each address	LDM	22.00	8.00
• Multiple Network Addresses, blocks of 10 addresses[1]	LDQ	10.00	1.00
• Network Terminal Profile	LUZ	10.00	1.00
• Nonstandard Packet Size	LNP	10.00	1.00

[1] One address is included with the port.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## C. Port Features – Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Nonstandard Window Size	LNW	\$10.00	\$1.00
• Permanent Virtual Circuit	LDV	22.00	8.00
• Reverse Charge Option[1]	LD4	10.00	–
• Reverse Charge Acceptance[1]	RBN	10.00	–
• Throughput Class Negotiation	LD1	10.00	1.00
• Logical Channels, per port, per channel			
- First 2 channels	L38X1	–	–
- Each additional channel	L38XA	10.00	1.00
• X.25 Gateway Option (PSN X.25 Access Port only)			
- Three digit screening	GTW3X	22.00	8.00
- Six digit screening	GTW6X	22.00	8.00
- Changes and/or additions to three or six digit screening	NRBGT	10.00	1.00
D. Rearrangement Charge, per rearrangement, per order	X25	27.00	–

[1] The nonrecurring charge applies when this feature is installed subsequent to the initial installation of the service.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES (Cont'd)

## E. Access Connection - 36 Months

## 1. PSSP Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 2.4 kbps	L3L2C	\$154.00	\$157.50
- 4.8 kbps	L3L2D	154.00	157.50
- 9.6 kbps	L3L2E	154.00	157.50
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 2.4 kbps	L3S2C	154.00	157.50
- 4.8 kbps	L3S2D	154.00	157.50
- 9.6 kbps	L3S2E	154.00	157.50
- 56 kbps	L3S2G	154.00	157.50

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## E. Access Connection - 36 Months (Cont'd)

## 2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3U2E	\$154.00	\$157.50
<ul style="list-style-type: none"> <li>X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> <li>- 56 kbps</li> </ul> </li> </ul>	L3V2E	154.00	157.50
	L3V2G	154.00	157.50
<ul style="list-style-type: none"> <li>X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3L2K	154.00	157.50
<ul style="list-style-type: none"> <li>X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> <li>- 56 kbps</li> </ul> </li> </ul>	L3S2K	154.00	157.50
	L3S2L	154.00	157.50

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## E. Access Connection - 36 Months (Cont'd)

## 3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of:               <ul style="list-style-type: none"> <li>- 300 and 1200 bps and 2.4 kbps</li> <li>- 9.6 kbps</li> </ul> </li> </ul>	L352J L352E	\$154.00 154.00	\$226.80 226.80
<ul style="list-style-type: none"> <li>Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3X2E	154.00	226.80
4. Port Features			
<ul style="list-style-type: none"> <li>Logical Channels, per port, per channel               <ul style="list-style-type: none"> <li>- First 2 channels</li> <li>- Each additional channel</li> </ul> </li> </ul>	L3821 L382A	— 10.00	— 1.50



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES (Cont'd)

## F. Access Connection - 60 Months

## 1. PSSP Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 2.4 kbps	L3L3C	\$154.00	\$140.00
- 4.8 kbps	L3L3D	154.00	140.00
- 9.6 kbps	L3L3E	154.00	140.00
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 2.4 kbps	L3S3C	154.00	140.00
- 4.8 kbps	L3S3D	154.00	140.00
- 9.6 kbps	L3S3E	154.00	140.00
- 56 kbps	L3S3G	154.00	140.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## F. Access Connection - 60 Months (Cont'd)

## 2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to: <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3U3E	\$154.00	\$140.00
<ul style="list-style-type: none"> <li>X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of: <ul style="list-style-type: none"> <li>- 9.6 kbps</li> <li>- 56 kbps</li> </ul> </li> </ul>	L3V3E	154.00	140.00
	L3V3G	154.00	140.00
<ul style="list-style-type: none"> <li>X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of: <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3L3K	154.00	140.00
<ul style="list-style-type: none"> <li>X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of: <ul style="list-style-type: none"> <li>- 9.6 kbps</li> <li>- 56 kbps</li> </ul> </li> </ul>	L3S3K	154.00	140.00
	L3S3L	154.00	140.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.2 PUBLIC PACKET SWITCHING NETWORK

## 8.2.5 RATES AND CHARGES

## F. Access Connection - 60 Months (Cont'd)

## 3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of:               <ul style="list-style-type: none"> <li>- 300 and 1200 bps and 2.4 kbps</li> <li>- 9.6 kbps</li> </ul> </li> </ul>	L353J L353E	\$154.00 154.00	\$201.60 201.60
<ul style="list-style-type: none"> <li>Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of:               <ul style="list-style-type: none"> <li>- 9.6 kbps</li> </ul> </li> </ul>	L3X3E	154.00	201.60

## 4. Port Features

<ul style="list-style-type: none"> <li>Logical Channels, per port, per channel               <ul style="list-style-type: none"> <li>- First 2 channels</li> <li>- Each additional channel</li> </ul> </li> </ul>	L3831 L383A	— 10.00	— 1.00
--	----------------	------------	-----------

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****A. Description**

Frame Relay Service (FRS), employing digital technology, provides high speed access connections and throughput to interstate service providers or provides high speed throughput to intraLATA interstate Local Area Networks (LANs), as well as host access capabilities. For interLATA interstate FRS, the customer must specify the IC to which the service is connected and the means by which the FRS is transported to another state. 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 128 kbps.

FRS requires the use of customer-provided terminal equipment that functions as a multiplexer/bridge/router. This terminal equipment must be purchased separately from the FRS and must conform to Telecommunications Standardization Sector of the International Telecommunications Union (ITU-T) and American National Standards Institute (ANSI) standards set forth in technical publications. The terminal equipment accumulates customer data and puts it into a frame relay format suitable for transmission over the Frame Relay Advanced Communications Services (ACS) Network.

FRS conforms to ITU-T and ANSI standards set forth in ANSI technical documents (see "Reference To Technical Publications" in Section 0, preceding). Technical Specifications for FRS are delineated in Qwest Corporation Technical Publication PUB 77372.

**Grandfathered Services**

As of December 31, 2000, 2-Wire 128 kbps Service, and Fault Tolerant and Priority PVC Features are Grandfathered to existing customers.

Month-to-month customers may retain 2-Wire 128 kbps Service, Fault Tolerant and Priority PVC until December 31, 2001. At that time the Grandfathered service/feature will be discontinued.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.1 GENERAL

## A. Description

Grandfathered Services (Cont'd)

Customers with an existing fixed period plan may retain the service/feature until the expiration date of the fixed period. Customers with fixed periods expiring between December 31, 2000 and November 30, 2001 may extend their contract until December 31, 2001, and retain the service at their contracted rates. Customers must contact their sales representative to request this extension.

Customers with 2-Wire FRS, Fault Tolerant and Priority PVC on a fixed period plan may make additions, rearrangements, changes, or moves of existing service if the service, required equipment, and facilities are available for the duration of the fixed period.

Customers may change their existing 2-Wire FRS to 4-wire FRS, 56 kbps, 1.544 Mbps or fractions thereof, and the Company will waive the nonrecurring change for the new 4-wire service. Month-to-month customers may migrate to 4-wire FRS at no charge until December 31, 2001. Customers under contract may migrate to 4-wire FRS at no charge prior to the expiration date of that contract.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL (Cont'd)****B. Service Elements****1. Network Interface**

When an FRS Access Link is used to access the ACS Frame Relay Network, 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.

**2. Access Link**

For 4-Wire 56 kbps through 128 kbps Frame Relay Service, a connecting FRS Access Link provides access to the ACS Frame Relay Network customer facilities at the network interface connecting other frame relay networks' facilities at the network interface with an Information Transfer service element. The 56 kbps Access Link utilizes the 56 kbps Information Transfer service element and a 64 kbps Access Link utilizes the 64 kbps Information Transfer service elements.

A Grandfathered 2-wire 128 kbps Access Link employs Integrated Services Digital Network (ISDN) BRI signaling over a single pair to allow customers to access Frame Relay Service over local loop facilities. The 2-Wire 128 kbps Access Link utilizes a 2-Wire 128 kbps User-To-Network Information Transfer service element and must be connected to a Permanent Virtual Connection(s). The customer's serving wire center must be a Company-designated FRS Service Point.

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

In lieu of the 56 or 64 kbps 4-Wire FRS Access Link, a Private Line Transport 56 or 64 kbps interface in Section 7, 17 and/or Section 15, or an EICT (Expanded Interconnection Channel Termination) DDS from Section 21, may be used to access Frame Relay Service.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements (Cont'd)****3. Stand-Alone Access Link**

A Stand-Alone Access Link connects customer-premises facilities to frame relay service networks provided by service providers other than the Company. It does not connect to the ACS Frame Relay Network. A Stand-Alone Access Link requires uni-directional polling. Private Line Transport Service (PLTS) Transport Channel mileage rates as set forth in Section 7 or 17, may be required in conjunction with a Stand-Alone Access Link to connect the customer's serving wire center, or node, with the serving wire center, or node, of another frame relay service provider.

**4. Ports**

Ports are part of the FR switch and are the physical entry points for Access Links into the ACS Network. They are originating and terminating points for Permanent Virtual Connections (PVC) transport facilities between FR switches. Ports include the electronic equipment used to connect these service elements to the ACS Network. They enable customers to allocate bandwidth to applications as needed at customer-designated transmission speeds for 4-Wire of up to 56 or 64 kbps and for 2-Wire 128 kbps.

**5. Service Points**

Service Points are geographical locations designated by the Company where the ACS Network Ports are located and where the ACS Network is accessed. Service Point locations are designated by the Company and are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. When the Company establishes new Service Points, which result in a change of existing FRS, the affected services will be re-rated and redesigned to the new Service Point at no charge to the customers.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements (Cont'd)****6. 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 for 4-Wire of 56 or 64 kbps, 112 or 128 kbps and for 2-Wire 128 kbps depending upon the customer's data networking requirements. UNIT provides unidirectional polling between the customer's facilities and the ACS FRS Network.

**7. 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 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 Sections 7 and 17 of this Tariff. NNIT PVCs are provisioned at customer-selected Committed Information Rates (CIRs), and at port speeds, dependent upon the customer's data networking requirements.

NNIT provides bidirectional polling between the ACS FRS Network and another frame relay network.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements (Cont'd)****8. Permanent Virtual Connection (PVC)**

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 networking 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:

<b>4-WIRE FRS PORT SPEEDS</b>	<b>RECOMMENDED NUMBER OF PVCs</b>
56 or 64 kbps	30
112 or 128 kbps	40
<b>GRANDFATHERED 2-WIRE FRS PORT SPEEDS</b>	<b>RECOMMENDED NUMBER OF PVCs</b>
128 kbps	8

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements (Cont'd)****9. Committed Information Rate (CIR)**

Although FRS statistical multiplexing capabilities allow customers with FRS configurations to have aggregate PVC CIRs which are greater than the associated port speed, the actual throughput of aggregated PVC CIRs in use at any time on the same port cannot exceed the port speed.

A customer's data throughput may burst up to the customer's subscribed port speed; however, when data exceeds the CIR, the potential for discard exists. It is recommended that a customer subscribe to a CIR no greater than half the port speed; although, a larger CIR may be accommodated, as indicated below, depending on a specific customer's traffic characteristics.

The customer's CIR should closely match the Open System Interconnection (OSI) Model or equivalent Application and Network Layer protocols for the data application utilized.

CIR Options For Permanent Virtual Connections are delineated in PUB 77372.

**10. 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 Company facility port to an FRS port. The COCC provides connectivity up to 128 kbps.

**11. Transport Channel**

The Transport Channel provides for the transmission facilities between the serving wire center associated with the customer-designated premises and the FRS Service Point or FRS switch; or between an EICT or ITP and the FRS Service Point.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements (Cont'd)****12. Optional Features and Functions****a. Customer Network Management (CNM)**

The Customer Network Management (CNM) optional feature provides the customer with read-only access to information related to FRS faults, usage information, performance management functions and configurations. Customer-provided network management terminal equipment (e.g., workstation) is used to access CNM as delineated in Qwest Corporation Technical Publication PUB 77376. A PVC is used to access CNM in the Company's Public Data Network Control Center (PDNCC). The PVC is dedicated to the CNM feature but does not affect the total number of per port PVCs available to the customer. ACS network locations where CNM is available are designated in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

**b. Priority PVC**

Grandfathered Priority PVC assigns a higher transit priority to the customer's designated UNIT PVCs. During intermittent network congestion, frames with priority PVC will move ahead of the non-priority PVCs. This minimizes delay and lowers the probability for frame discards.

The Priority PVC Optional Feature is not available for 2-Wire 128 kbps Frame Relay Service.

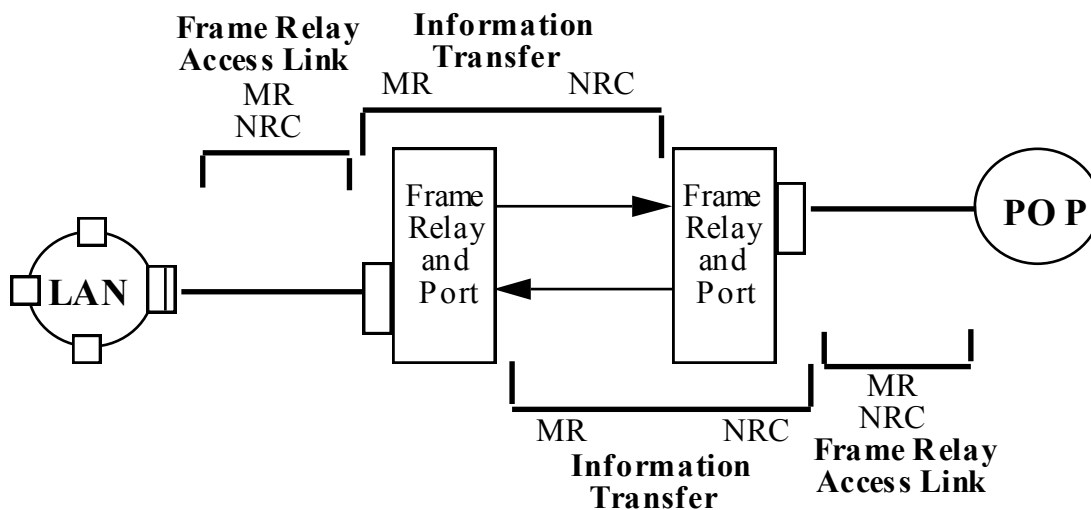
**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL****B. Service Elements****12. Optional Features and Functions (Cont'd)****c. Fault Tolerant Service**

Grandfathered Fault Tolerant Service reroutes the customer's PVCs in the event of a service interruption at the customer's primary location. Upon notification by the customer that a service interruption has occurred, the PVCs will be rerouted to a backup UNIT. Upon notification by the customer that the service has been restored, the Company will reroute the customer's PVCs back to the primary service. Fault Tolerant Service can be used to backup one or more primary location, however, only one activation can occur at a time. The backup UNIT speed must be equal to or greater than the highest UNIT speed of the designated primary connection. Fault Tolerant Service is only available on speeds of 56/64 kbps.

Fault Tolerant Service will be activated within 30 minutes of notification by the appropriate customer representative. If the service is not switched from the designated primary to the backup within that allotted time frame, the customer will pay one half of the normal activation fee for Fault Tolerant Service.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.1 GENERAL (Cont'd)****C. Service Configuration**

The following diagram is an example of a typical Frame Relay Service User-To-Network Interface (UNI) or Network-to-Network Interface (NNI) configuration.



MR - Monthly Rate  
NRC - Nonrecurring Charge

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE (Cont'd)****8.3.2 REGULATIONS****A. General**

1. A customer may access Frame Relay Service via an FRS Access Link, or, in lieu of the FRS Access Link, a Private Line Transport 56 or 64 kbps interface in Section 7 or 17, or an EICT DDS in Section 21. Regulations, rates and charges for Section 7 and/or 17 Channel Terminations, Transport Channels and Optional Features and Functions shall apply in addition to the regulations, rates and charges associated with the FRS. A customer utilizing Section 7 and/or 17 Private Line Transport Service Channel Termination or a EICT DDS from Section 21, in lieu of the FRS Access Link, would not incur the nonrecurring charge or monthly rate for a FRS Access Link, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installing and provisioning of FRS, e.g., Information Transfer as set forth in this section.
2. A subsequent PVC order is required when a customer chooses to add PVC(s), change PVC assignments or change the CIR on an existing PVC after the initial port installation. One nonrecurring subsequent PVC order charge applies in addition to the nonrecurring charge for each subsequent PVC(s) ordered. When more than one PVC is ordered or changed on the same customer service configuration at the same time, only one subsequent order charge applies.
3. An FRS Access Link is available as a component of FRS or as a Stand-Alone Access Link offering which connects customer-premises facilities to frame relay service networks provided by service providers other than the Company. When a Stand-Alone Access Link is ordered, Transport Channel mileage may apply, as applicable, at rates set forth in Section 7 or 17.

**B. Obligations of the Customer**

In addition to the Obligations of the Customer in Section 2, the following regulations apply. Error correction is the responsibility of the customer's Frame Relay-compatible terminal equipment. FRS switches may discard frames with errors. They may also discard frames when the network supporting FRS is in a state of congestion. Congestion control and recovery mechanisms are as set forth in technical documents listed under "Reference to Technical Publications" in Section 0, preceding.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE (Cont'd)****8.3.3 RATE ELEMENTS****A. Access Link**

A nonrecurring charge and monthly rate, based on the speed of the Access Link (i.e., 56 or 64 kbps or 2-Wire 128 kbps), apply per Access Link for each physical connection to the network supporting FRS.

**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, PLTS Transport Channel mileage may apply, at the rates set forth in Section 7 or 17.

**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 Section 7 or 17 of this Tariff.

**D. Transport Channel**

The Transport Channel rate element provides for the transmission facilities between the serving wire center associated with the customer-designated premises and a FRS Service Point or an FRS Switch; or between an EICT or ITP and a FRS Service Point. The Transport Channel is portrayed in mileage bands. Two rates apply for each band -- a flat rate per band and a rate per mile. The sum of the two rates constitutes the Transport Channel rate element. The rates, set forth in Section 7 or 17, apply according to the speed of the Access Link (i.e., 56 kbps or 64 kbps) or the speed of the Channel Termination (i.e., 56 kbps or 64 kbps).

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.3 RATE ELEMENTS (Cont'd)

## E. Central Office Connecting Channel (COCC)

A nonrecurring charge and a monthly rate apply per COCC connection between a multiplexer and a FRS Port or between a Company facility port and a FRS Port when used for port-to-port connectivity.

## F. Optional Features and Functions

## 1. Customer Network Management

A monthly rate and a nonrecurring charge apply per customer-provided network management terminal equipment (workstation) designated to access the CNM optional feature. The customer must provide the Company with a registered address for each customer-provided workstation designated to access CNM. A nonrecurring charge applies for the initial setup of each workstation registered address designated to access CNM. A subsequent nonrecurring charge applies to change a workstation registered address in the CNM or to add CNM to existing FRS. When CNM is added to existing FRS, the subsequent nonrecurring charge applies, in addition to the initial setup nonrecurring charge.

## 2. Priority PVC (Grandfathered)

A nonrecurring charge applies per UNIT PVC to establish priority designation and is in addition to the rates and charges for the UNIT PVCs with which priority is associated. A monthly rate, based on the speed of the UNIT, applies per Unit Priority PVC.

## 3. Fault Tolerant Service (Grandfathered)

A Frame Relay UNIT Initial Service Establishment nonrecurring charge applies to establish Fault Tolerant Service. The UNIT speed must be equal to or greater than the highest UNIT speed of the designated primary connection. A Subsequent Service Establishment nonrecurring charge applies to add primary site(s) to a previously established Fault Tolerant backup. In addition, the Fault Tolerant Service UNIT monthly rate for a 56/64 kbps UNIT with 0 PVCs applies. A customer must also purchase access to the Frame Relay UNIT (e.g., an Access Link). When a customer request is received to activate the Fault Tolerant Service to reroute the customer's primary PVCs to the backup, then subsequently restore the service to the primary PVCs, one Activation and Restoral nonrecurring charge also applies.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE (Cont'd)****8.3.4 PRICING PLANS****A. General**

FRS has two optional Pricing Plans: Fixed Period Service Rate Plan and Rate Stability Plan. The optional rate plans allow the FRS customer the assurance of no Company-initiated increases in rates during the fixed period.

**1. Rate Stability Plan**

FRS existing customers may have stabilized rates for fixed periods of 12 months, 24 months, 36 months, 48 months, 60 months, 72 months or 84 months at the rates listed in 8.4.2.A.

As of May 29, 1995, the Rate Stability Plan is no longer available for new subscribers. Existing RSP subscribers may retain RSP until the expiration of the existing term or until the customer disconnects the service. In this situation, a move to a different building does not constitute a disconnect of service.

**2. Fixed Period Service Rate Plan**

The FRS customer (except 2-Wire 128 kbps) may order this plan for 12 months, 24 months, 36 months, 48 months, 60 months, 72 months, or 84 months at the rates set forth in 8.3.5. Prior to the Grandfather date of December 26, 2000, the 2-Wire 128 kbps FRS customer could order this plan for 12 months, 36 months, or 60 months at the rates set forth in 8.3.5.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS (Cont'd)****B. Terms and Conditions**

1. Monthly rates for the entire fixed period will be frozen from Company-initiated increases, at the rates in effect for the fixed period on the service date.
2. The customer must specify the length of the fixed period at the time the service is ordered.
3. FRS rate elements may be ordered under monthly or any optional rate plan. For example, the customer may order the Access Link under the 36-month fixed period service rate plan and the Information Transfer under the 60-month fixed period service rate plan.
4. Customers with fixed period service established prior to September 1, 1998 receive rate decreases occurring during that fixed period. The reduced rates are automatically applied to the remaining term of the fixed period.
5. Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.
6. At the end of the fixed period, the customer may select a new fixed period, convert to monthly rates or terminate the service. The rates will be those in effect at the time the new fixed period begins. Should the customer fail to make a choice by the end of a fixed period, the service will automatically revert to the effective monthly (month-to-month) rates. If service is continued under the pricing plans, nonrecurring charges will not apply.
7. The minimum service period for Rate Stability Plan is 3 months. The minimum service period for Fixed Period Service Rate Plan is 6 months. When PVCs are added to an existing FRS, the minimum service period for the added PVCs is 1 month. PVCs may be added to an existing fixed period on a month-to-month basis or under the same optional rate plan as the existing FRS but at the rates and charges in effect at the time of the addition, except when the PVCs are installed during the first 24 months of the customer's Pricing Plan as set forth in the Phased-In Installation Rates and Charges Regulations, following.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****B. Terms and Conditions (Cont'd)****8. Phased-In Installation Rates and Charges Regulations**

For Pricing Plans in effective as of November 14, 1994, and for each individual customer's FRS ordered under a Pricing Plan since that date, the recurring rates and nonrecurring charges for rate elements installed or moved to a new building during the first 24 months of the customer's Pricing Plan, or 12 months for customer's who subscribe to the 12-month Plan, will be those rates in effect as of the installation date of the first rate element (unless a decrease in rates has occurred, in which case the lower rates will apply).

After the first 24 months of the Pricing Plan, or 12 months for customer's who subscribe to the 12-month Plan, FRS Access Links and Optional Features and Functions may be moved or added to an existing Pricing Plan using the original Pricing Plan establishment date; however, the rates and charges will be those in effect at the time of the move or addition. If the remaining number of months for the existing term is less than either 3 months for an FRS Rate Stability Plan, or 6 months for an FRS Fixed Period Service Rate Plan, then the new service can be added as month-to-month until the expiration of the existing term or the new service can be added to the original Pricing Plan but the minimum period will be the minimum period designated by the type of Pricing Plan.

**C. Changes in Rate Plans**

Services rated under the month-to-month plan or an existing fixed period service rate plan may be upgraded to a new fixed period service rate plan at any time the customer chooses without incurring nonrecurring charges, Discontinuance Charges or Termination Liability charges. This upgrade will be allowed provided the channel interface and the customer-designated premises remain the same. Additionally, the new fixed period service rate plan must meet or exceed the fixed period service rate plan being upgraded.

The monthly rates will be those in effect at the time the new fixed period begins. New minimum service periods apply to upgrades in rate plan.

If a customer chooses to change an existing service provided under a fixed period service rate plan or a rate stability 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. Appropriate Discontinuance Charges, as set forth in E., following, or Termination Liability as set forth in 8.1.5, and a new minimum period will apply in addition to the new monthly rates for the service.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS (Cont'd)****D. Changes in Transmission Speed**

1. Customers with the FRS Pricing Plan in service prior to May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.1.5, in lieu of Changes in Transmission Speed. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12-month term, May 29, 1997 for a 24-month term, May 29, 1998 for a 36-month term, May 29, 2000 for a 60-month term, May 29, 2001 for a 72-month term and May 29, 2002 for a 84-month term, whichever comes first. After May 29, 1995 Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the FRS Pricing Plan.
2. Should the customer choose to change the service provided under a fixed period service rate plan or a rate stability plan to an equal or greater transmission speed FRS or other Company service (e.g., 56 kbps FRS to 56 kbps Digital Data Service or 56 or 64 kbps FRS to 64 kbps Digital Data Service), discontinuance charges will not apply, provided all the following conditions are met:
  - Both the existing service and the new service are provided solely by the Company,
  - The customer's request for disconnect of the existing service and the request for new connect of the new service are received at the same time,
  - The new service is provided between the same customer locations as the discontinued service, except as set forth in F., following,
  - The new fixed period meets or exceeds the remaining length of the existing fixed period being discontinued<sup>[1]</sup>, and
  - The total monthly rate of the new service is equal to or greater than the total monthly rate of the existing service.

[1] On the effective date of this Tariff, RSP subscribers must change to a fixed period service rate plan, which meets or exceeds the remaining length of the existing RSP being discontinued.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****D. Changes in Transmission Speed (Cont'd)**

3. All changes in transmission speed are subject to the availability of service. The monthly rates for the new service and/or service elements will be those rates in effect at the time the service is changed. Related nonrecurring charges apply for the change and are the charges in effect at the time the service is changed.
4. Should the order to change transmission speed exclude one or more of the conditions above, it 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 E., following, will apply.

**E. Discontinuance of Service**

Discontinuance charges apply if the customer chooses to discontinue all or a portion of the service, equaling more than 20% of the total monthly rate, prior to the expiration of the fixed period service. A minimum billing level of 80% of the total monthly rates will be used to calculate discontinuance charges. The minimum billing level is based on the monthly rate as of the service established date, plus any additions to the service after the service established date.

Customers with the FRS Pricing Plan in service prior to May 29, 1995 may utilize Termination Liability and Waiver Policy as set forth in 8.1.5, in lieu of Discontinuance Charges in 1., following. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12-month term, May 29, 1997 for a 24-month term, May 29, 1998 for a 36-month term, May 29, 1999 for a 48-month term, May 29, 2000 for a 60-month term, May 29, 2001 for a 72-month term and May 29, 2002 for a 84-month term, whichever comes first. After May 29, 1995, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the FRS Pricing Plan.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****E. Discontinuance of Service (Cont'd)****1. Rate Stability Plan**

After May 29, 1995, the Rate Stability Plan is no longer available for new subscribers.

Should the customer choose to discontinue service provided under the rate stability plan prior to the completion of the minimum service period of 3 months, a discontinuance charge will apply. The discontinuance charge is 80% (minimum billing level) of the total monthly rates for the remaining months of the minimum service period, plus 10% of the minimum billing level for the remaining term of the fixed period.

Should the customer choose to discontinue the rate stability plan after the minimum service period but before the completion of the fixed period, a discontinuance charge equal to 10% of the minimum billing level for the remaining term of the fixed period will apply. For example, if a customer chooses to discontinue service after 33 months of a 60-month fixed period, the discontinuance charge will be .10 multiplied by 27 months, multiplied by the minimum billing level.

If, by discontinuing a portion of the service provided under a rate stability plan, a customer's total monthly billing level falls below the minimum billing level, which shall include any additions to the service, a discontinuance charge, as set forth preceding, will apply only to the portion of the service being discontinued.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****E. Discontinuance of Service (Cont'd)****2. Fixed Period Service Rate Plan**

Should the customer choose to discontinue fixed period service rate plan prior to the completion of the minimum service period of 6 months, discontinuance charges will apply. The discontinuance charge is 80% (minimum billing level) of the total monthly rates for the remaining months of the minimum service period, plus 40% of the minimum billing level for the remaining portion of the fixed period service.

Should the customer choose to discontinue fixed period service rate plan after the minimum service period but before the completion of the fixed period, discontinuance charges will apply. Discontinuance charges equal to 40% of the minimum billing level for the remaining portion of the fixed period service will apply. For example, if a customer chooses to discontinue service after 33 months of a 60-month fixed period, the discontinuance charges would be 0.40 multiplied by 27 months, multiplied by the minimum billing level.

If, by discontinuing a portion of the service provided under a fixed period service rate plan, a customer's total monthly billing level falls below the minimum billing level, which shall include any additions to the service, a discontinuance charge, as set forth preceding, will apply only to the portion of the service being discontinued.

If a customer chooses to change an existing service offered under a fixed period service rate plan to a rate stability plan or to a month-to-month plan, the change will be treated as a discontinuance of the existing service and an establishment of new service. Appropriate discontinuance charges, a new minimum period and related nonrecurring charges for establishment of the new service will apply in addition to the new monthly rates for the service.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****E. Discontinuance of Service (Cont'd)**

3. Discontinuance charges do not apply to fixed period services purchased by local, State or Federal government entities, or to customers who have purchased services solely for resale to local, State or Federal government entities, when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:
  - The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
  - Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
  - Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,
  - The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and,
  - The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than 30 days written notice. Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5. Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS (Cont'd)****F. Moves to a Different Building Utilizing Portability**

Portability allows FRS ordered under a Pricing Plan to move to a different building without incurring discontinuance charges or establishing new minimum service periods. Applicable nonrecurring charges apply to move the service.

**1. Portability without upgrade in transmission speed**

A customer with existing FRS may choose to move either a portion of or the entire existing service or move and change their FRS to another Company service without incurring discontinuance charges provided the following conditions are met:

- Both the existing and the new service are provided solely by the Company,
- The new service has a speed equal to the speed of the disconnected service,
- 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 reference the application of Portability,
- The customer's request for the disconnect order for the existing service must reference the new connect order, and
- The due date of the new connect order must be within 30 days of the due date of the disconnect order.

The monthly rates for the new service will be those rates in effect at the time the service is installed at the new location. All nonrecurring charges apply for the new service. 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. The rates, charges and regulations for changes from FRS to other Company services are as specified in other sections of this Tariff.

For FRS provided under VTPP, the existing term or fixed period may be utilized for the FRS at the new location, provided the remaining number of months of the existing term is at least the minimum period of the VTPP (i.e., three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan). If the remaining number of months for the existing term is less than the associated minimum period, then the remaining number of months for the existing term at the new location shall be extended to either three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS****F. Moves to a Different Building Utilizing Portability (Cont'd)****2. Portability with upgrade in transmission speed**

Customers with FRS Pricing Plans in service prior to May 29, 1995, may utilize Portability with upgrade in transmission speed until the end of their existing term, or may utilize the Termination Liability and Waiver Policy as set forth in 8.1.5, following. At the expiration of their existing Pricing Plan, the Termination Liability and Waiver Policy must be utilized for moves to a different building with an upgrade in transmission speed.

A customer with existing FRS may choose to move the existing service and upgrade to another higher speed FRS or to another higher speed service provided by the Company 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 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 reference the application of Portability and upgrade in capacity,
- The customer's request for the disconnect order for the existing service must reference the new connect order, and
- The due date of the new connect order must be within 30 days of the due date of the disconnect order.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.3 FRAME RELAY SERVICE****8.3.4 PRICING PLANS**

- F. Moves to a Different Building Utilizing Portability
- 2. Portability with upgrade in transmission speed (Cont'd)

For FRS provided under Pricing Plans, the term or fixed period for the existing FRS may continue to be the same term for the FRS at the new location, provided the remaining number of months of the existing plan is at least the minimum period of the existing Pricing Plan (i.e., three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan). If the remaining number of months for the existing Pricing Plan is less than the associated minimum period, then the minimum period for the new service shall be three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan.

The monthly rates for the new service will be those rates in effect at the time the new upgraded service is installed. 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. The rates, charges and regulations for changes from FRS to other Company services are as specified in other sections of this Tariff.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE (Cont'd)

## 8.3.5 RATES AND CHARGES

## A. Monthly

Regulations for the Grandfathered services are set forth in 8.3.1.A.

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AXM	\$450.00	\$ 72.25
• 2-Wire 128 kbps	L7TAM	450.00	45.00
2. Stand-Alone Access Link, per Access Link			
• 56 or 64 kbps	NNLXM	450.00	72.25
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## A. Monthly

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 2-Wire 128 kbps (Grandfathered)		
- First PVC	NRBF7	\$300.00
- Each additional PVC	NRBF8	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00
• 112 or 128 kbps (4-Wire)		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## A. Monthly

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T9M	\$ 35.00
- 1 PVC	17TAM	39.28
- 2 PVCs	17TBM	44.53
- 3 PVCs	17TCM	47.79
- 4 PVCs	17TDM	51.06
- 5 PVCs	17TEM	54.29
- 6 PVCs through 14[1], per PVC	17TGM	1.24
- 15 PVCs through 24[2], per PVC	17THM	0.27
- Each additional PVC over 24[3], per PVC	17TJM	0.25
• 2-Wire 128 kbps - UNIT, per Port		
- 1 PVC	18TBM	95.00
- 2 through 8 PVCs[4]	18TCM	8.30
• 112 or 128 kbps (4-Wire) - UNIT, per Port		
- 1 PVC	17TAM	120.00
- 2 PVCs	17TBM	123.00
- 3 PVCs	17TCM	126.00
- 4 PVCs	17TDM	129.00
- 5 PVCs	17TEM	132.00
- 6 PVCs through 14[1], per PVC	17TGM	1.20
- 15 PVCs through 24[2], per PVC	17THM	0.85
- Each additional PVC over 24[3], per PVC	17TJM	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.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## A. Monthly (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## A. Monthly

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TAM	\$38.00
- 2 PVCs	17TBM	42.35
- 3 PVCs	17TCM	46.70
- 4 PVCs	17TDM	51.05
- 5 PVCs	17TEM	55.40
- 6 PVCs through 14[1], per PVC	17TGM	0.50
- 15 PVCs through 24[2], per PVC	17THM	0.30
- Each additional PVC over 24[3], per PVC	17TJM	0.25
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TAM	85.00
- 2 PVCs	17TBM	88.00
- 3 PVCs	17TCM	91.00
- 4 PVCs	17TDM	94.00
- 5 PVCs	17TEM	97.00
- 6 PVCs through 14[1], per PVC	17TGM	1.20
- 15 PVCs through 24[2], per PVC	17THM	0.85
- Each additional PVC over 24[3], per PVC	17TJM	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.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## A. Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between another Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5RR	\$25.00	\$ 0.65
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6XM	15.00	67.00
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7XM	50.00	5.00
- 112 or 128 kbps	PV7XM	50.00	5.83

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

## B. 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX1	\$450.00	\$ 70.00
- Vintage 12/14/96 through 12/13/01			44.65
• 2-Wire 128 kbps	L7TA1	450.00	40.50
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps	NNLX1	450.00	70.00
- Vintage 12/14/96 through 12/13/01			44.65
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## B. 12 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 2-Wire 128 kbps (Grandfathered)		
- First PVC	NRBF7	\$300.00
- Each additional PVC	NRBF8	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00
• 112 or 128 kbps (4-Wire)		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## B. 12 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T91	\$ 33.25
- 1 PVC	17TA1	37.32
- 2 PVCs	17TB1	42.30
- 3 PVCs	17TC1	45.40
- 4 PVCs	17TD1	48.51
- 5 PVCs	17TE1	51.58
- 6 PVCs through 14[1], per PVC	17TG1	1.18
- 15 PVCs through 24[2], per PVC	17TH1	0.26
- Each additional PVC over 24[3], per PVC	17TJ1	0.25
• 2-Wire 128 kbps – UNIT (Grandfathered), per Port		
- 1 PVC	18TB1	85.50
- 2 through 8 PVCs[4]	18TC1	7.47
• 112 or 128 kbps (4Wire) - UNIT, per Port		
- 1 PVC	17TA1	114.00
- 2 PVCs	17TB1	116.85
- 3 PVCs	17TC1	119.70
- 4 PVCs	17TD1	122.55
- 5 PVCs	17TE1	125.40
- 6 PVCs through 14[1], per PVC	17TG1	1.15
- 15 PVCs through 24[2], per PVC	17TH1	0.80
- Each additional PVC over 24[3], per PVC	17TJ1	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.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## B. 12 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## B. Monthly

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA1	\$36.10
- 2 PVCs	17TB1	40.25
- 3 PVCs	17TC1	44.35
- 4 PVCs	17TD1	48.50
- 5 PVCs	17TE1	52.65
- 6 PVCs through 14[1], per PVC	17TG1	0.50
- 15 PVCs through 24[2], per PVC	17TH1	0.30
- Each additional PVC over 24[3], per PVC	17TJ1	0.25
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA1	80.75
- 2 PVCs	17TB1	83.60
- 3 PVCs	17TC1	86.45
- 4 PVCs	17TD1	89.30
- 5 PVCs	17TE1	92.15
- 6 PVCs through 14[1], per PVC	17TG1	1.15
- 15 PVCs through 24[2], per PVC	17TH1	0.80
- Each additional PVC over 24[3], per PVC	17TJ1	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## B. 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5SR	\$25.00	\$0.62
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X1	15.00	63.65
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7X1	50.00	4.75
- 112 or 128 kbps	PV7X1	50.00	5.54

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

## C. 24 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX2	\$450.00	\$ 68.50
- Vintage 12/14/96 through 12/13/01			44.05
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps	NNLX2	450.00	68.50
- Vintage 12/14/96 through 12/13/01			44.05
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## C. 24 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## C. 24 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T92	\$ 32.81
- 1 PVC	17TA2	36.83
- 2 PVCs	17TB2	41.75
- 3 PVCs	17TC2	44.80
- 4 PVCs	17TD2	47.87
- 5 PVCs	17TE2	50.90
- 6 PVCs through 14[1], per PVC	17TG2	1.16
- 15 PVCs through 24[2], per PVC	17TH2	0.25
- Each additional PVC over 24[3], per PVC	17TJ2	0.25
• 112 or 128 kbps - UNIT, per Port		
- 1 PVC	17TA2	112.50
- 2 PVCs	17TB2	115.30
- 3 PVCs	17TC2	118.15
- 4 PVCs	17TD2	120.95
- 5 PVCs	17TE2	123.75
- 6 PVCs through 14[1], per PVC	17TG2	1.15
- 15 PVCs through 24[2], per PVC	17TH2	0.80
- Each additional PVC over 24[3], per PVC	17TJ2	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## C. 24 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## C. 24 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA2	\$35.65
- 2 PVCs	17TB2	39.70
- 3 PVCs	17TC2	43.80
- 4 PVCs	17TD2	47.85
- 5 PVCs	17TE2	51.95
- 6 PVCs through 14[1], per PVC	17TG2	0.45
- 15 PVCs through 24[2], per PVC	17TH2	0.30
- Each additional PVC over 24[3], per PVC	17TJ2	0.25
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA2	79.70
- 2 PVCs	17TB2	82.50
- 3 PVCs	17TC2	85.30
- 4 PVCs	17TD2	88.15
- 5 PVCs	17TE2	90.95
- 6 PVCs through 14[1], per PVC	17TG2	1.15
- 15 PVCs through 24[2], per PVC	17TH2	0.80
- Each additional PVC over 24[3], per PVC	17TJ2	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## C. 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5TR	\$25.00	\$ 0.62
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X2	15.00	62.81
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7X2	50.00	4.69
- 112 or 128 kbps	PV7X2	50.00	5.47

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

## D. 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps - Vintage	L7AX3	\$450.00	\$ 65.00
12/14/96 through 12/13/01			43.50
• 2-Wire 128 kbps (Grandfathered)	L7TA3	450.00	38.25
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps - Vintage	NNLX3	450.00	65.00
12/14/96 through 12/13/01			43.50

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## D. 36 Months (Cont'd)

## 3. User-To-Network Information Transfer (UNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 2-Wire 128 kbps (Grandfathered)		
- First PVC	NRBF7	300.00
- Each additional PVC	NRBF8	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00
• 112 or 128 kbps (4-Wire)		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

D. 36 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T93	\$32.38
- 1 PVC	17TA3	36.33
- 2 PVCs	17TB3	41.19
- 3 PVCs	17TC3	44.21
- 4 PVCs	17TD3	47.23
- 5 PVCs	17TE3	50.22
- 6 PVCs through 14[1], per PVC	17TG3	1.15
- 15 PVCs through 24[2], per PVC	17TH3	0.25
- Each additional PVC over 24[3], per PVC	17TJ3	0.25
• 2-Wire 128 kbps – UNIT (Grandfathered), per Port		
- 1 PVC	18TB3	80.75
- 2 through 8 PVCs[4]	18TC3	7.06

[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.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

D. 36 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 112 or 128 kbps (4-Wire)- UNIT, per Port		
- 1 PVC	17TA3	\$111.00
- 2 PVCs	17TB3	113.80
- 3 PVCs	17TC3	116.55
- 4 PVCs	17TD3	119.35
- 5 PVCs	17TE3	122.10
- 6 PVCs through 14[1], per PVC	17TG3	1.10
- 15 PVCs through 24[2], per PVC	17TH3	0.80
- Each additional PVC over 24[3], per PVC	17TJ3	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## D. 36 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

D. 36 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA3	\$35.15
- 2 PVCs	17TB3	39.15
- 3 PVCs	17TC3	43.20
- 4 PVCs	17TD3	47.20
- 5 PVCs	17TE3	51.25
- 6 PVCs through 14[1], per PVC	17TG3	0.45
- 15 PVCs through 24[2], per PVC	17TH3	0.30
- Each additional PVC over 24[3],per PVC	17TJ3	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

D. 36 Months

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

	USOC	MONTHLY RATE
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA3	\$78.65
- 2 PVCs	17TB3	81.40
- 3 PVCs	17TC3	84.20
- 4 PVCs	17TD3	86.95
- 5 PVCs	17TE3	89.75
- 6 PVCs through 14[1], per PVC	17TG3	1.10
- 15 PVCs through 24[2], per PVC	17TH3	0.80
- Each additional PVC over 24[3],per PVC	17TJ3	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## D. 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5UR	\$25.00	\$ 0.60
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X3	15.00	61.98
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7X3	50.00	4.63
- 112 or 128 kbps	PV7X3	50.00	5.39

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

## E. 48 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps - Vintage	L7AX4	\$450.00	\$ 65.00
12/14/96 through 12/13/01			42.90
2. Stand-Alone Access Link, per Access Link			
• 56 or 64 kbps - Vintage	NNLX4	450.00	65.00
12/14/96 through 12/13/01			42.90
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T94	\$31.94
- 1 PVC	17TA4	35.84
- 2 PVCs	17TB4	40.63
- 3 PVCs	17TC4	43.61
- 4 PVCs	17TD4	46.59
- 5 PVCs	17TE4	49.54
- 6 PVCs through 14[1], per PVC	17TG4	1.13
- 15 PVCs through 24[2], per PVC	17TH4	0.25
- Each additional PVC over 24[3], per PVC	17TJ4	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.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 112 or 128 kbps - UNIT, per Port		
- 1 PVC	17TA4	\$109.50
- 2 PVCs	17TB4	112.25
- 3 PVCs	17TC4	115.00
- 4 PVCs	17TD4	117.70
- 5 PVCs	17TE4	120.45
- 6 PVCs through 14[1], per PVC	17TG4	1.10
- 15 PVCs through 24[2], per PVC	17TH4	0.80
- Each additional PVC over 24[3], per PVC	17TJ4	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## E. 48 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA4	\$34.70
- 2 PVCs	17TB4	38.65
- 3 PVCs	17TC4	42.60
- 4 PVCs	17TD4	46.60
- 5 PVCs	17TE4	50.55
- 6 PVCs through 14[1], per PVC	17TG4	0.45
- 15 PVCs through 24[2], per PVC	17TH4	0.25
- Each additional PVC over 24[3], per PVC	17TJ4	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months

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

	USOC	MONTHLY RATE
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA4	\$77.55
- 2 PVCs	17TB4	80.30
- 3 PVCs	17TC4	83.05
- 4 PVCs	17TD4	85.80
- 5 PVCs	17TE4	88.50
- 6 PVCs through 14[1], per PVC	17TG4	1.10
- 15 PVCs through 24[2], per PVC	17TH4	0.80
- Each additional PVC over 24[3], per PVC	17TJ4	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

E. 48 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5VR	\$25.00	\$ 0.60
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X4	15.00	61.14
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7X4	50.00	4.56
- 112 or 128 kbps	PV7X4	50.00	5.32

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

F. 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps - Vintage	L7AX5	\$450.00	\$ 65.00
12/14/96 through 12/13/01			42.30
• 2-Wire 128 kbps (Grandfathered)	L7TA5	450.00	36.00
2. Stand-Alone Access Link, per Access Link			
• 56 or 64 kbps - Vintage	NNLX5	450.00	65.00
12/14/96 through 12/13/01			42.30
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## F. 60 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 2-Wire 128 kbps (Grandfathered)		
- First PVC	NRBF7	\$300.00
- Each additional PVC	NRBF8	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00
• 112 or 128 kbps (4-Wire)		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

F. 60 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T95	\$31.50
- 1 PVC	17TA5	35.35
- 2 PVCs	17TB5	40.08
- 3 PVCs	17TC5	43.01
- 4 PVCs	17TD5	45.95
- 5 PVCs	17TE5	48.86
- 6 PVCs through 14[1], per PVC	17TG5	1.12
- 15 PVCs through 24[2], per PVC	17TH5	0.24
- Each additional PVC over 24[3], per PVC	17TJ5	0.25
• 2-Wire 128 kbps – UNIT (Grandfathered), per Port		
- 1 PVC	18TB5	76.00
- 2 through 8 PVCs[4]	18TC5	6.64

[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.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVC.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

F. 60 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 112 or 128 kbps (4-Wire) - UNIT, per Port		
- 1 PVC	17TA5	\$108.00
- 2 PVCs	17TB5	110.70
- 3 PVCs	17TC5	113.40
- 4 PVCs	17TD5	116.10
- 5 PVCs	17TE5	118.80
- 6 PVCs through 14[1], per PVC	17TG5	1.10
- 15 PVCs through 24[2], per PVC	17TH5	0.75
- Each additional PVC over 24[3], per PVC	17TJ5	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## F. 60 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

F. 60 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA5	\$34.20
- 2 PVCs	17TB5	38.10
- 3 PVCs	17TC5	42.05
- 4 PVCs	17TD5	45.95
- 5 PVCs	17TE5	49.85
- 6 PVCs through 14[1], per PVC	17TG5	0.45
- 15 PVCs through 24[2], per PVC	17TH5	0.25
- Each additional PVC over 24[3], per PVC	17TJ5	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

F. 60 Months

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

	USOC	MONTHLY RATE
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA5	\$76.50
- 2 PVCs	17TB5	79.20
- 3 PVCs	17TC5	81.90
- 4 PVCs	17TD5	84.60
- 5 PVCs	17TE5	87.30
- 6 PVCs through 14[1], per PVC	17TG5	1.10
- 15 PVCs through 24[2], per PVC	17TH5	0.75
- Each additional PVC over 24[3], per PVC	17TI5	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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## F. 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU5WR	\$25.00	\$ 0.59
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X5	15.00	60.30
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3], per PVC</li> </ul>			
- 56 or 64 kbps	PV7X5	50.00	4.50
- 112 or 128 kbps	PV7X5	50.00	5.25

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

G. 72 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX6	\$450.00	\$ 65.00
- Vintage			
11/14/94 through 12/13/96			36.68
12/14/96 through 12/13/01			42.30
2. Stand-Alone Access Link, per Access Link			
• 56 or 64 kbps	NNLX6	450.00	65.00
- Vintage			
11/14/94 through 12/13/96			36.68
12/14/96 through 12/13/01			42.30
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T96	\$31.50
- 1 PVC	17TA6	35.35
- 2 PVCs	17TB6	40.08
- 3 PVCs	17TC6	43.01
- 4 PVCs	17TD6	45.95
- 5 PVCs	17TE6	48.86
- 6 PVCs through 14[1], per PVC	17TG6	1.12
- 15 PVCs through 24[2], per PVC	17TH6	0.24
- Each additional PVC over 24[3], per PVC	17TJ6	0.25
- Vintage		
11/14/94 through 12/13/96		0.10

[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.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 112 or 128 kbps - UNIT, per Port		
- 1 PVC	17TA6	\$108.00
- Vintage 11/14/94 through 12/13/96		63.82
- 2 PVCs	17TB6	110.70
- Vintage 11/14/94 through 12/13/96		66.97
- 3 PVCs	17TC6	113.40
- Vintage 11/14/94 through 12/13/96		70.12
- 4 PVCs	17TD6	116.10
- Vintage 11/14/94 through 12/13/96		73.28
- 5 PVCs	17TE6	118.80
- Vintage 11/14/94 through 12/13/96		76.42
- 6 PVCs through 14[1], per PVC	17TG6	1.10
- 15 PVCs through 24[2], per PVC	17TH6	0.75
- Vintage 11/14/94 through 12/13/96		0.41
- Each additional PVC over 24[3], per PVC	17TJ6	0.45
- Vintage 11/14/94 through 12/13/96		0.17
[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.		

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## G. 72 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA6	\$34.20
- Vintage 11/14/94 through 12/13/96		34.19
- 2 PVCs	17TB6	38.10
- Vintage 11/14/94 through 12/13/96		35.85
- 3 PVCs	17TC6	42.05
- Vintage 11/14/94 through 12/13/96		37.51
- 4 PVCs	17TD6	45.95
- Vintage 11/14/94 through 12/13/96		39.18
- 5 PVCs	17TE6	49.85
- Vintage 11/14/94 through 12/13/96		40.83
- 6 PVCs through 14[1], per PVC	17TG6	0.45
- 15 PVCs through 24[2], per PVC	17TH6	0.25
- Vintage 11/14/94 through 12/13/96		0.14
- Each additional PVC over 24[3], per PVC	17TJ6	0.25
- Vintage 11/14/94 through 12/13/96		0.06

[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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months

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

	USOC	MONTHLY RATE
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA6	\$76.50
- Vintage 11/14/94 through 12/13/96		44.77
- 2 PVCs	17TB6	79.20
- Vintage 11/14/94 through 12/13/96		47.92
- 3 PVCs	17TC6	81.90
- Vintage 11/14/94 through 12/13/96		51.08
- 4 PVCs	17TD6	84.60
- Vintage 11/14/94 through 12/13/96		54.23
- 5 PVCs	17TE6	87.30
- Vintage 11/14/94 through 12/13/96		57.37
- 6 PVCs through 14[1], per PVC	17TG6	1.10
- 15 PVCs through 24[2], per PVC	17TH6	0.75
- Vintage 11/14/94 through 12/13/96		0.30
- Each additional PVC over 24[3], per PVC	17TJ6	0.45
- Vintage 11/14/94 through 12/13/96		0.11

[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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

G. 72 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
- For speeds up to 128 kbps	CU8AR	\$25.00	\$ 0.59
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
- Per workstation registered address initial setup	NM6X6	15.00	60.30
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
- 56 or 64 kbps	PV7X6	50.00	4.50
- 112 or 128 kbps	PV7X6	50.00	5.25

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES (Cont'd)

H. 84 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX7	\$450.00	\$ 65.00
- Vintage			
11/14/94 through 12/13/96			36.68
12/14/96 through 12/13/01			42.30
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps	NNLX7	450.00	65.00
- Vintage			
11/14/94 through 12/13/96			36.68
12/14/96 through 12/13/01			42.30
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

H. 84 Months

## 3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service (Grandfathered), per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

H. 84 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - UNIT, per Port		
- 0 PVCs, used with Fault Tolerant Service	17T97	\$31.50
- 1 PVC	17TA7	35.35
- 2 PVCs	17TB7	40.08
- 3 PVCs	17TC7	43.01
- 4 PVCs	17TD7	45.95
- 5 PVCs	17TE7	48.86
- 6 PVCs through 14[1], per PVC	17TG7	1.12
- 15 PVCs through 24[2], per PVC	17TH7	0.24
- Each additional PVC over 24[3], per PVC	17TJ7	0.25
- Vintage		
11/14/94 through 12/13/96		0.10

- [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.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

H. 84 Months

3. User-To-Network Information Transfer (UNIT) (Cont'd)

	USOC	MONTHLY RATE
• 112 or 128 kbps - UNIT, per Port		
- 1 PVC	17TA7	\$108.00
- Vintage 11/14/94 through 12/13/96		63.82
- 2 PVCs	17TB7	110.70
- Vintage 11/14/94 through 12/13/96		66.97
- 3 PVCs	17TC7	113.40
- Vintage 11/14/94 through 12/13/96		70.12
- 4 PVCs	17TD7	116.10
- Vintage 11/14/94 through 12/13/96		73.28
- 5 PVCs	17TE7	118.80
- Vintage 11/14/94 through 12/13/96		76.42
- 6 PVCs through 14[1], per PVC	17TG7	1.10
- 15 PVCs through 24[2], per PVC	17TH7	0.75
- Vintage 11/14/94 through 12/13/96		0.41
- Each additional PVC over 24[3], per PVC	17TJ7	0.45
- Vintage 11/14/94 through 12/13/96		0.17

[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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## H. 84 Months (Cont'd)

## 4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the “Each additional PVC” nonrecurring charge applies in addition to the “Subsequent PVC order charge”.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

## H. 84 Months

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

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA7	\$34.20
- Vintage 11/14/94 through 12/13/96		34.19
- 2 PVCs	17TB7	38.10
- Vintage 11/14/94 through 12/13/96		35.85
- 3 PVCs	17TC7	42.05
- Vintage 11/14/94 through 12/13/96		37.51
- 4 PVCs	17TD7	45.95
- Vintage 11/14/94 through 12/13/96		39.18
- 5 PVCs	17TE7	49.85
- Vintage 11/14/94 through 12/13/96		40.83
- 6 PVCs through 14[1], per PVC	17TG7	0.45
- 15 PVCs through 24[2], per PVC	17TH7	0.25
- Vintage 11/14/94 through 12/13/96		0.14
- Each additional PVC over 24[3], per PVC	17TJ7	0.25
- Vintage 11/14/94 through 12/13/96		0.06

[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.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

H. 84 Months

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

	USOC	MONTHLY RATE
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA7	\$76.50
- Vintage 11/14/94 through 12/13/96		44.77
- 2 PVCs	17TB7	79.20
- Vintage 11/14/94 through 12/13/96		47.92
- 3 PVCs	17TC7	81.90
- Vintage 11/14/94 through 12/13/96		51.08
- 4 PVCs	17TD7	84.60
- Vintage 11/14/94 through 12/13/96		54.23
- 5 PVCs	17TE7	87.30
- Vintage 11/14/94 through 12/13/96		57.37
- 6 PVCs through 14[1], per PVC	17TG7	1.10
- 15 PVCs through 24[2], per PVC	17TH7	0.75
- Vintage 11/14/94 through 12/13/96		0.30
- Each additional PVC over 24[3], per PVC	17TJ7	0.45
- Vintage 11/14/94 through 12/13/96		0.11
[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.		

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.3 FRAME RELAY SERVICE

## 8.3.5 RATES AND CHARGES

H. 84 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
5. Central Office Connecting Channel			
<ul style="list-style-type: none"> <li>Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port</li> </ul>			
<ul style="list-style-type: none"> <li>- For speeds up to 128 kbps</li> </ul>	CU8BR	\$25.00	\$ 0.59
6. Transport Channels	N/A	[1]	[1]
7. Optional Features and Functions			
<ul style="list-style-type: none"> <li>Customer Network Management (CNM)</li> </ul>			
<ul style="list-style-type: none"> <li>- Per workstation registered address initial setup</li> </ul>	NM6X7	15.00	60.30
<ul style="list-style-type: none"> <li>- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]</li> </ul>	NR9FM	38.00	—
<ul style="list-style-type: none"> <li>Priority UNIT PVC[3] (Grandfathered), per PVC</li> </ul>			
<ul style="list-style-type: none"> <li>- 56 or 64 kbps</li> </ul>	PV7X7	50.00	4.50
<ul style="list-style-type: none"> <li>- 112 or 128 kbps</li> </ul>	PV7X7	50.00	5.25

[1] See Section 7 and/or 17 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

[3] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.4 RESERVED FOR FUTURE USE**

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.5 RESERVED FOR FUTURE USE**

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.6 RESERVED FOR FUTURE USE**



**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.7 MODEM AGGREGATION SERVICE (MAS)****8.7.1 GENERAL****A. Description**

Effective May 1, 2001, Modem Aggregation Service (MAS) is limited to existing customers only. After that date no new or existing customer requests will be taken. All Pricing Plan customers may retain their service until the expiration of their term.

The Company's Modem Aggregation Service (MAS) enables customers to subscribe to the use of modems located within designated Company local calling areas.

MAS shall not be used to provide originating switched voice traffic using internet technologies. When the Company determines that the service is being used to originate switched voice traffic, the customer will be given 30 days to discontinue the unauthorized use. During this 30-day period the customer will be given the option to purchase an applicable switched access product. Failure to discontinue the aforementioned use of MAS will result in its disconnection and in the application of appropriate TLA charges.

For a given local calling area, the service provides to the MAS customer a dial-in phone number and a customer-specified number of MAS ports. The end users of a MAS customer can place any combination of modem (analog) calls and/or ISDN (digital) calls to the assigned MAS phone number within the local calling area, up to and including the subscribed-to number of MAS ports. End-user calls in excess of the subscribed number of MAS ports will receive a subscriber busy signal.

Once the call is connected, the end-user PPP (Point to Point Protocol) traffic is delivered to the MAS customer location over a L2TP (Layer 2 Tunneling Protocol) tunnel using standard Frame Relay Service or ATM Service where these services are available. End user traffic from multiple Company local calling areas can be aggregated onto a single Frame Relay or ATM PVC (Permanent Virtual Circuit).

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.7 MODEM AGGREGATION SERVICE (MAS)****8.7.1 GENERAL****A. Description (Cont'd)**

MAS requires the use of customer provided equipment L2TP Network Service (LNS) located at the customer's premise to interface with the end user modem traffic that is delivered over the Frame Relay Service or ATM Service to the customer premise. The customer must purchase either Frame Relay Service or ATM Service in order to connect their network to the Central Office based MAS modems. Availability of MAS is limited to those wire centers where MAS and Frame Relay Service or ATM Service is available. The locations designated by the Company are listed in the National Exchange Carrier Association Tariff FCC No. 4.

MAS does not guarantee or warranty the speed or success rate which end users will realize when attempting to connect to the service. Connect speeds and connection success rates vary widely across end user local loops and equipment.

The customer must purchase and install equipment at their premise in order to terminate the end user calls and route them to their end destination. Technical Specifications for MAS are delineated in Qwest Corporation Technical Publication PUB 77402.

MAS customers will receive graphical daily usage reports delivered via e-mail to one e-mail address specified by the customer of record.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.7 MODEM AGGREGATION SERVICE (MAS) (Cont'd)****8.7.2 RATE ELEMENTS****A. MAS Recurring Charges**

A monthly rate will be applied based on the number of modems to which the customer subscribes. MAS modems are available in blocks of 10. The charges do not include the Frame Relay Service or ATM Service access link, port charges, or bandwidth. Frame Relay Services are purchased as set forth in Section 8, preceding.

**B. MAS Nonrecurring Charges**

A nonrecurring telephone number charge applies per telephone number when the customer changes their existing telephone number or orders a new MAS telephone number. An order change charge initial or subsequent applies per service order. Changes are only allowed in increments of 10.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.7 MODEM AGGREGATION SERVICE (MAS)****8.7.3 PRICING PLANS**

Effective May 1, 2001, Modem Aggregation Service (MAS) is limited to existing customers only. After that date no new customer requests will be taken. All Pricing Plan customers may retain their service until the expiration of their term. On December 6, 2000 Pricing Plans of 36 and 60 months were Grandfathered to existing customers. Minimum Service Periods and Termination Liability apply.

MAS may be ordered at the customer's option on a month-to-month basis or under a Fixed Period Service Rate Plan of 12 months. The optional rate plans give the MAS customer the assurance of no Company-initiated increases in rates during the fixed period. The minimum service period for Fixed Period Service Rate is 12 months as set forth in Section 5, preceding.

When customers with Intrastate MAS existing prior to April 4, 2000 migrate to the MAS offered in this Tariff at the same address of record a nonrecurring charge will not apply and applicable TLA will be waived.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.7 MODEM AGGREGATION SERVICE (MAS) (Cont'd)

## 8.7.4 RATES AND CHARGES

This service is Grandfathered as set forth in 8.7.1, preceding.

## A. MAS Recurring Charges

	USOC	MONTHLY RATE
1. 1 to 20 Blocks, per Block		
• Monthly	MBLB2	\$650.00
• 12 Months	MBLB2	450.00
• 36 Months	MBLB2	430.00
• 60 Months	MBLB2	400.00
2. 21 to 200 Blocks, per Block		
• Monthly	MBLB2	600.00
• 12 Months	MBLB2	430.00
• 36 Months	MBLB2	400.00
• 60 Months	MBLB2	380.00
3. 201 Blocks and Above, per Block		
• Monthly	MBLB2	550.00
• 12 Months	MBLB2	360.00
• 36 Months	MBLB2	340.00
• 60 Months	MBLB2	320.00

	USOC	NONRECURRING CHARGE
B. MAS Nonrecurring Charges,		
1. MAS Telephone Number Charge, per telephone number	REALC	\$200.00
2. MAS order charge, initial and subsequent, per service order	REALP	40.00

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.8 RESERVED FOR FUTURE USE**

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES**

**General**

The services, offerings, and regulations specified in this Section are Grandfathered. Existing customers may keep the service until the expiration of the term plan that originated prior to the Grandfather date, or until the end date of the offering. Dates are specified as appropriate.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES  
(Cont'd)**

**8.99.1 RESERVED FOR FUTURE USE**



**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES  
(Cont'd)**

**8.99.2 RESERVED FOR FUTURE USE**

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES  
(Cont'd)****8.99.3 FRAME RELAY SERVICE****A. Frame Relay Service (FRS) Renewal Discount Plan for Fixed Period Rate Plans**

Effective April 1, 2008, this Frame Relay Service (FRS) Renewal Discount Plan for Fixed Period Rate Plan is limited to existing customers only. After that date no new or existing customer requests will be taken. All Pricing Plan customers may retain the offerings of this plan until the expiration of their term.

FRS customers with an existing Fixed Period Rate Plan (Pricing Plan) which has expired or is within 3 months of the expiration date may subscribe to a new 12-Month or greater Pricing Plan and receive a discount on selected rate elements from the current Fixed Period Rate Plan monthly rates and at a reduced TLA%. The Termination Liability and Wavier Policy as set forth in 8.1.5, preceding, will not apply to the existing rate plan that is being renewed.

The new discounted 12-Month or greater Fixed Period Rate Plan will be rated at the current tariff rates for the selected Pricing Plan less the applicable renewal discount as set forth below. The discount will only be applied to Pricing Plan recurring rates for selected rate elements and will not be applied to nonrecurring rates or rate elements on month-to-month. A new minimum service period does not apply to these renewals, however the Termination Liability and Wavier Policy as set forth in 8.1.5, preceding, will apply to the new Pricing Plan but with a 15% TLA in lieu of 25%.

This FRS Service Renewal Discount Plan is only available where facilities exist.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.3 FRAME RELAY SERVICE

A. Frame Relay Service (FRS) Renewal Discount Plan for Fixed Period Rate Plans  
(Cont'd)

Discounted Rate Elements	Discount %
• Network-To-Network Information Transfer (NNIT):	
- 56 kbps up to 1.544 Mbps	5%
- 44.736 Mbps	10%
• User-To-Network Information Transfer (UNIT):	
- 56 kbps up to 1.544 Mbps	5%
- 44.736 Mbps	10%
• Central Office Connecting Channel COCC):	
- 56 kbps up to 1.544 Mbps	5%
- 44.736 Mbps	10%

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.3 FRAME RELAY SERVICE (Cont'd)

## B. 2008 FRS Renewal Discount Plan for Fixed Period Rate Plans [1]

Effective April 1, 2010, this 2008 FRS Renewal Discount Plan for Fixed Period Rate Plans is limited to existing customers only. After that date no new or existing customer requests will be taken. All Pricing Plan customers may retain the offerings of this plan until the expiration of their term.

FRS Fixed Period Rate Plan (Pricing Plan) customers who are within 3 months of the expiration of their Pricing Plan and 3 months after their Pricing Plan expires, may subscribe to a new 12-, 24- or 36-Month Pricing Plan and receive a discount on selected rate elements from the current Fixed Period Rate Plan monthly rates and at a reduced TLA%. The Termination Liability and Wavier Policy as set forth in 8.1.5, preceding, will not apply to the existing rate plan that is being renewed.

The new discounted 12-, 24- or 36-Month Fixed Period Rate Plan will be rated at the current tariff rates for the selected Pricing Plan less the applicable renewal discount as set forth below. The discount will only be applied to Pricing Plan recurring rates for selected rate elements and will not be applied to nonrecurring rates or rate elements on month-to-month. A new minimum service period does not apply to these renewals, however the Termination Liability and Wavier Policy as set forth in 8.1.5, preceding, will apply to the new Pricing Plan but with a 15% TLA in lieu of 25%.

This FRS Service Renewal Discount Plan is only available where facilities exist.

[1] Effective November 7, 2008, eligibility for this offer cannot exceed 3 months after the expiration date of the Pricing Plan.

**ACCESS SERVICE****8. ADVANCED COMMUNICATIONS NETWORKS****8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES****8.99.3 FRAME RELAY SERVICE****B. 2008 FRS Renewal Discount Plan for Fixed Period Rate Plans (Cont'd)**

<b>DISCOUNT/ELIGIBLE RATE ELEMENTS</b>	<b>12-MONTH</b>	<b>24-MONTH</b>	<b>36-MONTH</b>
1. Access Link			
56 kbps up to 128 kbps	5%	20%	30%
2. Network-To-Network INFORMATION TRANSFER (NNIT):			
56 kbps up to 128 kbps	5%	20%	30%
3. USER-TO-NETWORK INFORMATION TRANSFER (UNIT):			
56 kbps up to 128 kbps	5%	20%	30%
4. CENTRAL OFFICE CONNECTING CHANNEL (COCC):			
56 kbps up to 128 kbps	5%	20%	30%

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES  
(Cont'd)8.99.4 *QWEST DSL SERVICE*

The services, offerings, regulations and rates specified in this Section are Grandfathered as of January 28, 2006 and will no longer be available to new customers. Fixed Period Service Rate Plans of 12-, 36-, or 60-months will not be renewed once existing plans reach termination. Customers of record as of January 27, 2006 may continue under the terms and conditions of this Tariff F.C.C. No. 1 until November 16, 2006, or later if used in relationship with a fixed period service rate plan that expires after November 16, 2006\*. Term plans that expire between January 28, 2006 and November 16, 2006 may continue on a month-to-month basis until November 16, 2006. \*NOTE: Customer initiated changes to their grandparented *QWEST DSL Service*, such as a change to a different DSL product, will result in the *QWEST DSL Service* being provided via a commercial agreement.

On November 16, 2006, customers on month-to-month service or whose term plans have expired on or before November 16, 2006, will need to enter into a commercial agreement if they choose to continue service with the Company.

TLA Waivers and exceptions to the above are as follows:

- Any *QWEST DSL Service* (excluding *QWEST DSL HOST Service*) that is on a fixed period service rate plan that expires on or after January 28, 2006 may migrate to any available Company replacement product and receive a waiver of the Termination Liability Charge (TLA)
- *QWEST DSL HOST Service* that is on a fixed period service rate plan and expires on or after April 20, 2006, may disconnect service and receive a waiver of the Termination Liability Charge (TLA).
- *QWEST DSL HOST Service* is not available to new subscribers under this Tariff F.C.C. No. 1 as of January 28, 2006, but customers of record as of January 27, 2006, may add bandwidth to their existing service.
- Customers with ATM Ports and ATM Optical Access Links (OAL) used 100% for *QWEST DSL HOST Service* may disconnect existing fixed period service rate plans on or after January 28, 2006 and receive a waiver of the Termination Liability Charge (TLA).
- *QWEST DSL Volume Plans* are not available to new subscribers as of January 28, 2006, but customers of record as of January 27, 2006, may add end users to their existing service.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## A. General

*QWEST DSL* Service utilizes Asynchronous Transfer Mode (ATM) technology over dedicated transport facilities, Asymmetrical Digital Subscriber Line (ADSL) technology over a Company-provided metallic local loop at a single physical location and *QWEST DSL* ISDN Digital Subscriber Line Service (IDSL) technology over Company-provided 2-wire, private line facilities to provide customers with high speed data services. *Qwest DSL* Service is comprised of *QWEST DSL* Service, *QWEST DSL HOST* Service and *QWEST IDSL*.

*QWEST DSL* Service[1] utilizes customer-provided equipment, located at the customer's premises, and Company-provided equipment, at Company Central Offices. This equipment allows the Company to accept traffic from the customer and send it bi-directionally. *QWEST DSL* Service is available as one of the following:

- Standard DSL Service where the Company provides local exchange service and *QWEST DSL* Service on the same local loop. Standard DSL Service is comprised of *Qwest Choice DSL*, *Qwest DSL 640k*, *Qwest Choice DSL Deluxe*, *QWEST DSL PRO DELUXE*, *QWEST DSL PRO 640KBPS*, *QWEST DSL PRO 1 MBPS*, *QWEST DSL PRO 4 MBPS* and *QWEST DSL PRO 7 MBPS* or all Company offered speeds. or
- Stand Alone *QWEST DSL* Service where the Company provides *QWEST DSL* Service over the local loop. Stand Alone *QWEST DSL* Service is available as part of the *QWEST DSL* Volume Plans.
- *Qwest DSL Premier* Service is available with both Standard *QWEST DSL* Service and Stand Alone *QWEST DSL* Service. *Qwest Choice DSL Premier* Service and Stand Alone *DSL Premier* Service are available for speeds up to 5 Mbps that will vary per customer based on the capability of the customer's line and other users on the network, and therefore a singular speed is not guaranteed.

[1] With the deployment of "Discrete Multitone" (DMT) technology April 4, 2001 and with the grandfathering *QWEST DSL SELECT* on June 14, 2001, "Carrierless Amplitude/Phase Modulation Protocol" (CAP) technology will no longer be offered as new service.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## A. General(Cont'd)

Each *QWEST DSL* Service must be connected to a *QWEST DSL HOST* Service. The data connection from the *QWEST DSL* location to the *QWEST DSL HOST* location is a dedicated virtual point-to-point connection across a shared backbone network, ATM Service.

*QWEST IDSL* provides a data only, 2-wire, private line service with a bi-directional data transmission capacity of 128 kbps or 144 kbps. Each *QWEST IDSL* must be connected to a *QWEST DSL HOST* Service. The data connection from the *QWEST IDSL* location to the *QWEST DSL HOST* location is a dedicated virtual point-to-point connection across a shared backbone network, ATM Service.

*QWEST DSL HOST* Service aggregates multiple data streams into a single host site using peak transmission speeds of 1.544 Mbps, and 3 Mbps up to 45 Mbps, in 3 Mbps increments.

Technical Specifications for *QWEST DSL* Service are delineated in Qwest Corporation Technical Publications PUB 77392 and PUB 77399.

The offering of *QWEST DSL* Service contemplates the use of existing ADSL, IDSL and ATM facilities. There may be occasions where *QWEST DSL* Service is not available due to facility limitations or where it may be necessary to construct such facilities. If Special Construction is involved the regulations as set forth in Tariff F.C.C. No. 2 apply.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## A. General(Cont'd)

During the Company's network maintenance and software update period, it may be necessary to temporarily place *QWEST DSL* Service central office equipment out of service. The Company also reserves the right to temporarily interrupt *QWEST DSL* Service at other times in emergency situations.

*QWEST DSL* Service is available in specific wire center locations where the Company has established ADSL, IDSL and ATM technology as specified in the National Exchange Carrier Association Tariff F.C.C. No. 4. Availability of ADSL or IDSL in a wire center does not guarantee customer access to any or all speeds.

The Company will qualify copper facilities to determine the suitability of such facilities for *QWEST DSL* Service. The Company will not provide *QWEST DSL* Service on copper facilities that are unsuitable for the Service. Nor will the Company provide *QWEST DSL* Service if it determines that such provision will produce interference to other services.

*QWEST DSL* Service and *QWEST IDSL* Service will be provided subject to the availability and limitations of Company wire centers and outside plant facilities.

The customer is responsible for providing and installing all compatible customer provided equipment (CPE). Compatibility requirements are delineated in Qwest Corporation Technical Publication PUB 77392 and 77399. The modem must support customer-selected services.

## B. Service Elements

1. *QWEST DSL* Service Dedicated Connection

*QWEST DSL* Service Dedicated Connection provides a communications path between the CO modem and the modem provided by the customer at the customer's premises using ADSL technology.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 1. QWEST DSL Service Dedicated Connection (Cont'd)

Customers who purchase *QWEST DSL* Service will receive DMT protocol. All *CAP QWEST DSL* Services are grandfathered as of April 4, 2001, except *CAP QWEST DSL SELECT* which is grandfathered as of June 14, 2001. Customers who purchased *QWEST DSL* Service with CAP protocol prior to the respective grandfather dates will retain this service. CAP protocol is not capable of providing the precise service speeds as defined below for DMT protocol.

DMT *QWEST DSL* is available in the following categories: *Qwest Choice DSL*, *Qwest DSL 640k*, *Qwest Choice DSL Deluxe*, *Qwest Choice DSL Premier*, *QWEST DSL PRO* (Professional), Stand Alone *Qwest DSL* and Stand Alone *Qwest DSL Premier*. *QWEST DSL PRO* is available from 256 kbps up to 7 Mbps (Down Stream) and includes Installation and Service Guarantees as set forth in C., following.

DMT RATE ELEMENTS	DOWN STREAM CONNECTION SPEED	UP STREAM CONNECTION SPEED TYPE[1]
<i>Qwest Choice DSL</i>	256 kbps	128 kbps up to 256 kbps Dedicated
<i>Qwest DSL 640k</i>	256 up to 640 kbps	128 kbps up to 256 kbps Dedicated
<i>Qwest Choice DSL Deluxe</i>	up to 1.5 Mbps	128 kbps up to 1 Mbps Dedicated
<i>Qwest Choice DSL Premier:</i>	up to 5 Mbps	128 kbps up to 896 kbps Dedicated
<i>QWEST DSL PRO DELUXE</i>	256 up to 640 kbps	128 kbps up to 256 kbps Dedicated
<i>QWEST DSL PRO 640 KBPS</i>	640 kbps	128 kbps up to 640 kbps Dedicated
<i>QWEST DSL PRO 1 MBPS</i>	1.024 Mbps	128 kbps up to 1.024 Mbps Dedicated
<i>QWEST DSL PRO 4 MBPS</i>	4.0 Mbps	128 kbps up to 1.024 Mbps Dedicated
<i>QWEST DSL PRO 7 MBPS</i>	7.0 Mbps	128 kbps up to 1.024 Mbps Dedicated

[1] Upstream speeds will be set to allow the maximum speed within the range. Actual connection speed may be limited by the physical condition of the customer's line.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 1. QWEST DSL Service Dedicated Connection (Cont'd)

DMT RATE ELEMENTS	DOWN STREAM CONNECTION SPEED	UP STREAM CONNECTION SPEED	TYPE[1]
Stand Alone <i>Qwest DSL</i>	up to 1.5 Mbps	128 kbps up to 1 Mbps	Dedicated
Stand Alone <i>Qwest DSL Premier:</i>	up to 5 Mbps	128 kbps up to 896 kbps	Dedicated

[1] Upstream speeds will be set to allow the maximum speed within the range. Actual connection speed may be limited by the physical condition of the customer's line.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 1. QWEST DSL Service Dedicated Connection (Cont'd)

CAP *Qwest DSL 640k* and CAP *QWEST DSL PRO* are grandfathered service categories as of April 4, 2001, and CAP *QWEST DSL SELECT* [1] is grandfathered as of June 14, 2001. Existing customers of CAP *QWEST DSL* Services will be able to change the destination of their service, however any other changes, including speed changes, will require the customer to migrate to DMT *QWEST DSL* or completely disconnect service. CAP *QWEST DSL PRO* for existing customers includes Service Guarantees as set forth in C., following.

CAP RATE ELEMENTS	DOWN STREAM CONNECTION SPEED	UP STREAM CONNECTION SPEED	TYPE
<i>QWEST DSL SELECT</i>	256 up to 640 kbps	272	Per Session
<i>Qwest DSL 640k</i>	256 up to 640 kbps	272	Dedicated
<i>QWEST DSL PRO DELUXE</i>	256 up to 640 kbps	272	Dedicated
<i>QWEST DSL PRO 640 KBPS</i>	640 kbps	544	Dedicated
<i>QWEST DSL PRO 960 KBPS</i>	960 kbps	816	Dedicated
<i>QWEST DSL PRO 1.2 MBPS</i>	1.280 Mbps	1088	Dedicated
<i>QWEST DSL PRO 4 MBPS</i>	4.480 Mbps	1088	Dedicated
<i>QWEST DSL PRO 7 MBPS</i>	7.168 Mbps	1088	Dedicated

CAP *QWEST DSL Services* are provided as either dedicated or per session connections. Dedicated connections provide a modem devoted specifically to the customer while per session connections utilize pooled modems, both services while connected offer equivalent performance.

*QWEST DSL SELECT* is a per session connection. Per session connection customers must vie for a modem in the pool and the potential for a busy state exists. The Company will limit each session connect time, but will ensure a session of no less than one hour but no more than four hours, with all customers having the same maximum session time. The Company will not change the maximum session time more than once a month. A per session connection customer can expect to establish a connection within one to two hours of the initial attempt.

- [1] *QWEST DSL SELECT* is provisioned independent of DMT capacity and cannot use Dedicated DMT-based capacity. In the event an order for *QWEST DSL SELECT* Service is delayed for Company reasons, the customer will have the option of subscribing to a new DMT dedicated service and receiving a onetime credit of \$30. The \$30 credit will only be available if the *QWEST DSL SELECT* is delayed for Company reasons and the order is placed on or before June 13, 2001. This offer may be combined with other *DSL* Promotion.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements(Cont'd)

## 2. QWEST DSL HOST Service

## a. QWEST DSL HOST Ports (BSE)[1]

The *QWEST DSL HOST* Port is a Port on an ATM switch at the serving wire center or *QWEST DSL HOST* Service Point. This element applies in conjunction with the 1.544 Mbps, IMA Ports (3, 4.6, 6.1, 7.7, 9.2, 10.7 & 12.3 Mbps) or 44.736 Mbps Private Line Transport *QWEST DSL HOST* Access Link, and the 44.736 Mbps, 155.52 Mbps or 622 Mbps ATM Optical Access Link.

The types of Ports which may be used with *QWEST DSL HOST* Service are:

- 10BaseT Interface

A 10BaseT interface connects a customer's *QWEST DSL HOST* (hub) location to a *QWEST DSL HOST* Services Access Link. 10BaseT interfaces are available with peak Port speeds of 1.544 Mbps, 3 Mbps, 6 Mbps, or 9 Mbps.

- 100BaseT Interface

A 100BaseT interface connects a customer's *QWEST DSL HOST* (hub) location to a *QWEST DSL HOST* Services Access Link. 100BaseT interfaces are available with peak port speeds of 3 Mbps to 44.736 Mbps, in 3 Mbps increments.

[1] A 44.736 Mbps, 155.52 Mbps or 622 Mbps ATM Port may be used by customers with existing ATM Service for a *QWEST DSL HOST* Port.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 2. QWEST DSL HOST Service

## a. QWEST DSL HOST Ports (BSE)[1]Cont'd)

- 1.544 Mbps QWEST DSL HOST Port
- IMA Ports[1]
  - 3 Mbps
  - 4.6 Mbps
  - 6.1 Mbps
  - 7.7 Mbps
  - 9.2 Mbps
  - 10.7 Mbps
  - 12.3 Mbps
- 44.736 Mbps QWEST DSL HOST Port. This port is capable of terminating QWEST DSL HOST Access Links with a bandwidth of 3 Mbps up through 44.736 Mbps, in 3 Mbps increments. [2]
  - A 44.736 Mbps ATM Port [1,2]
  - 155.52 Mbps ATM Port [1,2]
  - 622 Mbps ATM Port [1,2]

[1] An ATM IMA Port, ATM 44.736 Mbps Port, ATM 155.52 Mbps Port or ATM 622 Mbps Port may be used by customers with existing ATM Service for a QWEST DSL HOST Port.

[2] A minimum of one 3 Mbps bandwidth increment applies for each 44.736 Mbps QWEST DSL HOST Port, and for each 44.736 Mbps, 155.52 Mbps or 622 ATM Port used for QWEST DSL HOST Port.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 2. QWEST DSL HOST Service (Cont'd)

## b. QWEST DSL HOST Access Links

*QWEST DSL HOST* Access Links are a physical transport facility that transmits data from the customer site to a *QWEST DSL HOST* Service Point within the ATM Network. *QWEST DSL HOST* Access Links can be comprised of ATM Optical Access Links or Private Line Transport Services. If the serving wire center of the *QWEST DSL HOST* customer location is a *QWEST DSL HOST* Service Point, then Private Line Transport Mileage does not apply. Private Line Transport Services Mileage applies if the serving wire center of the *QWEST DSL HOST* customer location is not a *QWEST DSL HOST* Service Point. If the *QWEST DSL HOST* Access Link is a Meet Point arrangement the Transport Mileage will be calculated to the actual ATM switch location.

The types of *QWEST DSL HOST* Access Links are following:

- A 1.544 Mbps, Clear Channel DS1 Private Line Transport Services Channel Termination, as set forth in Section 7, preceding.
- A 44.736 Mbps DS3 Private Line Transport Services Channel Termination, as set forth in Section 7, preceding.
- A 44.736 Mbps, 155.52 Mbps or 622 Mbps ATM Optical Access Link (OAL).

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## B. Service Elements

## 2. QWEST DSL HOST Service (Cont'd)

## c. Central Office Connecting Channel (COCC)

A COCC provides the ongoing interconnection from the *QWEST DSL HOST* Port to a DS1 or DS3 Service Channel Termination or from the multiplexer or other Company facility port to an ATM Service port when a customer accesses ATM Service via a *QWEST DSL HOST* Port.

## d. Service Points

Service Points are geographic locations designated by the Company where the *QWEST DSL HOST* Port can be accessed. The *QWEST DSL HOST* Port utilizes the ATM Service Points, which are listed in the National Exchange Carrier Association Tariff F.C.C. No. 4.

## e. Bandwidth

Bandwidth transports *QWEST DSL HOST* data transmission through the ATM Network, at rates from 3 Mbps to 44.736 Mbps, in 3 Mbps increments. A minimum of one 3 Mbps increment of *QWEST DSL HOST* bandwidth is required for each IMA *QWEST DSL HOST* Port, 44.736 Mbps *QWEST DSL HOST* Port or for each 44.736 Mbps ATM Port, 155.52 Mbps ATM Port or 622 Mbps ATM Port used as a *QWEST DSL HOST* Port.

*QWEST DSL HOST* Service can terminate/aggregate both DMT and CAP protocol based *QWEST DSL*, ADSL, traffic.



**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES**

**8.99.4 QWEST DSL SERVICE**

**B. Service Elements(Cont'd)**

**3. QWEST IDSL**

**a. Channel Termination**

The Channel Termination provides for a data only, 2-wire, private line path between the Customer designated premises and the serving wire center of that premises. Included as a part of the Channel Termination is a standard interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability. One Channel Termination charge applies at the serving wire center of the Customer's designated premises where the channel terminates.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## C. Regulations

## 1. Obligations of the Customer

- a. When a customer orders *QWEST DSL* Service, the customer must provide compatible customer premises equipment (CPE). In addition, the customer must specify the Company-provided local exchange Telecommunications Number (TN) or service address to be used. A Telecommunications Number is not required with Stand Alone *Qwest DSL*.
- b. When a customer orders *QWEST DSL HOST* Service, the customer must provide the necessary information (e.g., Data Link Connection Identifier(s), and/or Internet Protocol) to provision *QWEST DSL HOST* Service using Company ATM Service.
- c. The customer may request a design change to the service ordered. A design change is any change which requires engineering review. Design changes do not include a change of customer premises, end user premises or *QWEST DSL HOST* Access Link speeds. Changes of this nature will require the issuance of a new order and a cancellation of the original order. Cancellation charges are set forth in 5.2.3, preceding. Changes in *QWEST DSL* Service and *QWEST IDSL* which result in the service(s) pointing to a different *QWEST DSL HOST* Access Link are design changes and subject to the Design Change charge as set forth in 5.2.2, preceding. Changes requested on the Plant Test Date (PTD) or later will require the issuance of a new order.
- d. Changes in *QWEST DSL* Service and *QWEST IDSL* Service speeds will result in a Speed Change Charge as set forth in F., following.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL SERVICE*

## C. Regulations(Cont'd)

2. Termination of *QWEST DSL HOST* Destination

In the event the Company-provided metallic local loop over which the *QWEST DSL* Service is being terminated or is exiting the business, the Company reserves the right to contact the affected subscribers with an assigned replacement *QWEST DSL HOST* to ensure uninterrupted service.

Should the Company become aware that a *QWEST DSL HOST* location is no longer providing host service to its end users, or if a *QWEST DSL HOST* notifies Qwest of its intent to exit the marketplace, the Company will waive the Speed/Destination Channel Change Charge for impacted end users who select a new *QWEST DSL HOST* Destination. The waiver is good for one change charge per billed *QWEST DSL* Service.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## C. Regulations(Cont'd)

3. Installation Guarantee *QWEST DSL PRO*

In the event network difficulties develop during the installation of *QWEST DSL PRO* offerings, the Company guarantees resolution within five business days. Inability to resolve the problem within five business days will afford the customer a credit for one month of recurring charges. The credit will appear on the customer's next month's bill.

4. Service Guarantee *QWEST DSL PRO*

## a. Satisfaction Assurance

The Company is committed to providing the customer with a satisfactory experience when subscribing to the *QWEST DSL PRO* offerings. If the customer cancels service within 30 days after installation due to dissatisfaction, the Company will refund any recurring and nonrecurring charges accrued and waive Termination Liability.

## b. Service Assurance

In the event the *QWEST DSL PRO* offerings are out of service 3 times in a 30 day period and the trouble is found to be in the customer's line, the customer may request to cancel service without having to pay any Termination Liability. This Service Assurance is not inclusive of service issues associated with the customer's modem or Internet Service Provider.

## c. Line Connect Speed Assurance

*QWEST DSL PRO* offerings are designed to deliver the line speed ordered by the subscriber. However, if the *QWEST DSL PRO* line connection speed cannot be maintained to the customer's satisfaction, the Company will at the customer's request, change the customer's speed to a lower speed without assessing the Speed/Destination Channel Change Charge.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE(Cont'd)

## D. Rate Elements

1. *QWEST DSL* Service Charge

A nonrecurring charge and a monthly rate apply per termination. If a customer requests a different ADSL speed and/or a change in their designated *QWEST DSL HOST* location, a change charge for Speed/Destination Channel Change applies per order. If a customer changes from a dedicated connection to a per session connection or vice versa, a change charge for Change from Dedicated to Per Session Connection applies.

When a change in speed or destination channel is requested at the same time as a change from a dedicated to a shared connection, or vice versa, only the higher of the *QWEST DSL* Change Charges applies.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## D. Rate Elements(Cont'd)

## 2. QWEST DSL HOST Service

## a. Port (BSE)

A nonrecurring charge and monthly rate apply for each 1.5 Mbps *QWEST DSL HOST* Port. For a 44.736 Mbps *QWEST DSL HOST* Port, a nonrecurring charge and monthly rate apply for the initial Port and an additional recurring rate applies for each bandwidth increment of 3 Mbps.

## b. Access Link

The rates and charges for other Company-provided services used as access links for *QWEST DSL HOST* Service are in addition to the rates and charges for the *QWEST DSL HOST* Port. A DS1 Service and/or DS3 Service channel termination may be purchased by the customer, as set forth in Private Line Transport Services Section 7 and/or 17. ATM Optical Access Links may be purchased by the customer at either 44.736 Mbps or 155 Mbps with up to 4 Host names associated with a single link, as set forth in 8.5.1.

## c. Port Change Charge

A nonrecurring charge applies each time a customer changes bandwidth on a *QWEST DSL HOST* or ATM Port, subsequent to the initial installation, e.g., for a change from 3 Mbps to 9 Mbps, one change charge applies. A nonrecurring charge also applies when adding or changing *QWEST DSL HOST* bandwidth increments to an existing 44.736 Mbps or 155.52 Mbps ATM Port.

An upgrade of port speeds 1.544 Mbps, IMA port speeds, 44.736 Mbps, or 155.52 Mbps requires a change of Access Link as well and will be considered a discontinuance of one service and establishment of new service.

Downgrades in port speeds 1.544 Mbps, IMA port speeds, 44.736 Mbps, or 155.52 Mbps requires a change of Access Link as well and will be considered a discontinuance of one service and establishment of new service. In addition Termination Liability and Waiver Policy will be applicable for downgrades.

ACCESS SERVICE

8. ADVANCED COMMUNICATIONS NETWORKS

8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE

D.2.(Cont'd)

d. Central Office Connecting Channel (COCC)

One Central Office Connecting Channel nonrecurring charge and monthly rate applies per connection. The rates and charges for a DS1 Service and DS3 Service COCC are set forth in Section 7 and/or 17.

e. Bandwidth

A monthly rate applies for each 3 Mbps increment of Bandwidth, up through 45 Mbps. A minimum of one 3 Mbps increment of Bandwidth applies for each 45 Mbps *QWEST DSL HOST* Port.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## E. Pricing Plans

## 1. Pricing Plan Terms and Conditions

- a. *QWEST DSL* Service may be ordered on a month-to-month or on a Fixed Period Service Rate Plan for 12, 36 or 60 months at the rates set forth in 8.99.4, following. Exception: as of August 7, 2001, *QWEST DSL* 640k will no longer offer Fixed Period Service Rate Plans for 12, 36, or 60 months to new customers or for renewal once existing plans reach termination. The Minimum Period for *QWEST DSL* Service Fixed Period Service Rate Plans is 12 months.
- b. *QWEST DSL* Volume Plan provides discounted monthly rates for selected *QWEST DSL* speeds as set forth in F. and G., following, if they agree to the conditions of the Starter Option, the Basic Discount Option or one of the Volume Commitment Options.
  - The Starter Option is for the customer who commits to having a minimum of 2,500 active and billable *QWEST DSL* lines by the end of their initial 12 month period. The initial 12 month period will start on the date the customer has the first *QWEST DSL* line installed.
  - The Basic Discount Option is for the customer who commits to having a minimum of 15,000 active and billable *QWEST DSL* lines by the end of their initial 12 month period. The initial 12 month period will start on the date the customer has the first *QWEST DSL* line installed.

The nonrecurring charge associated with all Basic Discount Option *QWEST DSL* lines will be waived when the service is connected. However, for each *QWEST DSL* line that disconnects without being in service for at least 12 months, a nonrecurring charge will be assessed as set forth in F., following.

- The Volume Commitment Option I plan allows the customer to choose the number of *QWEST DSL* lines they will acquire over the 36 month Fixed Period Service Rate Plan with a subscription range of 60,001 lines to 400,000 lines.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE

## E. Pricing Plans

## 1.b Pricing Plan Terms and Conditions (Cont'd)

- The Volume Commitment Option II plan allows the customer to choose a 5-year Fixed Period Service Rate Plan with a minimum commitment of 150,000 subscription lines by the end of the first year and a minimum 200,001 subscription lines as of the end of the third, fourth and fifth year periods. If the Company has billed the customer for 4 million months of service by the end of the third year, the customer will be considered to have met all commitment levels. The months of service are calculated as follows:
  - Number of DSL lines times the number of months the services are active and billing, equals months of service.
  - Example: 25,000 DSL lines per month times 12 months equals 300,000 months of service during a year.
- The Volume Commitment Option III plan allows the customer to choose the number of *QWEST DSL* lines they will acquire over the 60-month Fixed Period Service Rate Plan with a subscription range of 120,000 lines to 500,000 lines.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE

## E. Pricing Plans

## 1.b Pricing Plan Terms and Conditions (Cont'd)

- Volume Commitment Option IV provides existing *QWEST DSL* Volume Plan customer(s) or former *QWEST DSL* Volume Plan customer(s) with a minimum of 5,000 DSL subscribers discounted rates and a maximum period of time to terminate *QWEST DSL* Service. Customers who choose Option IV prior to the expiration of their existing Volume Commitment Fixed Period Service Rate Plan will be subject to TLA and/or shortfall charges, as set forth in 8.1.5, preceding, which must be paid prior to activation of Option IV.

Customers who choose Option IV will receive the applicable discount on the DSL monthly rates, as set forth in F. & G., following, during their participation in Option IV. The discount percentage shall be based on the number of active DSL ports in service when Option IV goes into effect, as set forth in H., following. The customer's participation in Option IV will terminate when the earlier of the following occurs:

- The date that the customer disconnects the last DSL line that existed or was purchased under this option.
- The expiration of 24 months following the customer's written election to participate in Option IV. At the conclusion of Option IV, the customer's remaining active DSL lines will be billed the monthly rates, as set forth in F. & G., following.

Section 8.99.4, preceding, provides other specific terms and conditions for the *QWEST DSL* Volume Plans.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 1.b Pricing Plan Terms and Conditions (Cont'd)

Volume discounts for the Starter Option, the Basic Discount Option and Volume Commitment Options I, II, III and IV are applicable to monthly rates only. The discounts are applied to the monthly rates for selected *QWEST DSL* speeds as set forth in F. and G., following. Nonrecurring charges will not be discounted for Volume Commitment Option I and nonrecurring charges for Volume Commitment Option II will not apply. The Starter Option, Basic Discount Option and Volume Commitment Option I are available on a 36 month Fixed Period Rate Plan, Volume Commitment Options II and III are available on a 60 month Fixed Period Service Rate and Volume Commitment Option IV is available for 24 months or less, as set forth above.

- Obligations of customers who subscribe to *QWEST DSL* Volume Plans:
  - Must establish *QWEST DSL HOST* Service in all LATAs where the customer subscribes to *QWEST DSL* Service. This may be satisfied by purchasing *QWEST DSL HOST* Service or by utilizing *QWEST DSL HOST* Service purchased by another customer.
  - Must submit orders to the Company electronically in a format and manner designated by the Company
  - Must provide customer premises equipment to its end users
  - Must deal directly with its end users and be solely liable with respect to all matters relating to the service, including marketing, ordering, technical support, billing and collections
  - Must direct end users not to contact the Company regarding any aspect of the service
  - Must communicate an end user's request to disconnect *QWEST DSL* Service to the Company within two business days of end user's notification to the customer purchasing under any *QWEST DSL* Volume Plan
- The telecommunications services offered under the *QWEST DSL* Volume Plan are provided at wholesale to carriers and non-carriers. The telecommunications services offered under the *QWEST DSL* Volume Plan are not services that the Company provides at retail, and, accordingly, are not subject to the rate provisions of Sections 251 (c) (4) and 252 (d) (3) of the Communications Act, 47 U.S.C. §§ 251 (c) (4), 252 (d) (3).

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 1. Pricing Plan Terms and Conditions (Cont'd)

- c. *QWEST DSL HOST* Service and *QWEST IDSL* must be initially ordered under a Fixed Period Service Rate Plan. At the end of the initial service period, the service may be obtained on a month-to-month basis or any of the specified fixed period service rate periods. The customer may order a Fixed Period Service Rate Plan for 12, 36 or 60 months at the rates set forth in 8.99.4, following.
- d. Monthly rates for the entire fixed period will be stabilized from Company-initiated increases, at the rates in effect for the fixed period on the service date. The customer must specify the length of the fixed period at the time the service is ordered. The minimum service period for a *QWEST DSL*, *QWEST IDSL* or *QWEST DSL HOST* fixed period service rate plan is 12 months.
- e. *QWEST DSL HOST* Service rate elements may be ordered under any optional rate plan. For example, the customer may order the Access Link under the 36-month fixed period service rate plan and the *QWEST DSL HOST* Port under the 60-month fixed period service rate plan.
- f. When a customer with ISDN or *QWEST IDSL* Service migrates to a *QWEST DSL* Service at the same address of record a nonrecurring charge will not apply. In addition, TLA will be waived if a *QWEST IDSL* customer migrates to *QWEST DSL* at the same address of record.
- g. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan. Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan.

**ACCESS SERVICE**

**8. ADVANCED COMMUNICATIONS NETWORKS**

**8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES**

**8.99.4 QWEST DSL SERVICE**

E. Pricing Plans

1. Pricing Plan Terms and Conditions (Cont'd)

- h. For Volume Commitment Option I at the end of the fixed period, the customer may select a new fixed period, convert to monthly rates (month-to-month) or terminate the service. The rates will be those in effect at the time the new fixed period begins. Should the customer not make a choice by the end of a fixed period, the service will automatically revert to the effective monthly (month-to-month) rates. If service is continued, nonrecurring charges will not apply.
- i. For Volume Commitment Option II upon mutual agreement at least 6 months prior to the expiration of the Initial Term, the plan may be renewed for one additional 12-month term with the same terms and conditions.
- j. For Volume Commitment Option III at least 30 days notice prior to the expiration of the Initial Term, the plan may be renewed for three additional 12-month terms with the same terms and conditions.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans(Cont'd)

## 2. Changes to Rate Plans

Services rated under the month-to-month plan or an existing fixed period service rate plan may be upgraded to a fixed period service rate plan at any time the customer chooses without incurring nonrecurring charges or Termination Liability. This upgrade will be allowed provided the channel interface and the customer-designated premises remain the same. Additionally, the new fixed period service rate plan must meet or exceed the fixed period service rate plan being upgraded.

The monthly rates will be those in effect at the time the new fixed period begins. New minimum service periods apply to upgrades in rate plans.

If a customer chooses to change an existing service provided under a fixed period service rate plan to month-to-month billing, the change will be treated as a discontinuance of the existing service and an establishment of new service. Termination Liability, as set forth in 8.1.5, and a new minimum period will apply in addition to the new monthly rates for the service.

## 3. Termination Liability and Waiver Policy

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, Termination Liability and Waiver Policy, as set forth in 8.1.5, will apply.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE

## E. Pricing Plans(Cont'd)

## 4. Termination Liability

Customers with Pricing Plans in service prior to August 12, 1997, will retain a Termination Liability of 15% and the minimum billing level requirement of 80% of the total monthly rates for the service, until the expiration of their existing fixed period.

If a customer chooses to discontinue the entire service or a portion of the service prior to the expiration of the fixed period service, termination charges apply (unless the customer satisfies the conditions specified in the Waiver Policy as set forth in 8.1.5.C., preceding).

The minimum billing level is used to calculate the termination charge. The minimum billing level for *QWEST DSL* Service (i.e., *QWEST DSL*, *QWEST IDSL* or *QWEST DSL HOST*), is 100% of the total monthly rates for the rate elements being discontinued. An exception for *QWEST IDSL* exists when this service is upgraded to *QWEST DSL* at the same address of record, the termination charge does not apply.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 *QWEST DSL* SERVICE

## E. Pricing Plans

## 4. Termination Liability(Cont'd)

Should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges will apply. The termination charge is 100% of the minimum billing level for the remaining months of the minimum service period, plus 40% for *QWEST DSL* Service of the remaining portion of the fixed period service. Should the customer choose to discontinue fixed period service after the completion of the minimum period, termination charges equal to 40% for *QWEST DSL* Service of the minimum billing level for the remaining portion of the fixed period service will apply.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 4. Termination Liability(Cont'd)

## a. QWEST DSL Volume Plan

## (1) Starter Option

The *QWEST DSL HOST* customer(s) who subscribe to the Starter Option must commit to acquiring a minimum of 2,500 active and billable *QWEST DSL* lines by the end of the 12th month of their 36 month Fixed Period Service Rate Plan. Starter Option Plans will be reviewed on a monthly basis, and the Starter customer will either receive or not receive a discount the following month based on that review. For example: in the month of January if the review shows the customer has 5,500 active and billable lines under the plan then the customer will receive a 4% discount on all billable *QWEST DSL* lines for the month of February, as set forth in H., following. If the customer does not have a minimum of 2,500 active and billable *QWEST DSL* lines by the end of the initial 12 month period, the Company may terminate the Plan.

In the event the Company terminates the Starter Option, any new orders for *QWEST DSL* Service lines placed by the customer will be charged the current month-to-month Tariff rates for the respective *QWEST DSL* Service requested. Following termination, the Company will bill 100% of the total accumulated discount credited to the customer plus a 10% surcharge.

## (2) Basic Discount Option

The *QWEST DSL HOST* customer(s) must commit to acquiring a minimum of 15,000 active and billable *QWEST DSL* lines by the end of the 12th month of their 36 month Fixed Period Service Rate Plan. If the customer does not have a minimum of 15,000 active and billable *QWEST DSL* lines by the end of the initial 12 month period, the Company will terminate the Plan.

In the event the Company terminates the Basic Discount Option, any new orders for *QWEST DSL* Service lines placed by the customer will be charged the current month-to-month Tariff rates for the respective *QWEST DSL* Service requested. Following termination, the Company will bill 100% of the total accumulated discount credited to the customer plus a 10% surcharge.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 4. Termination Liability

## a. QWEST DSL Volume Plan(Cont'd)

## (3) Volume Commitment Options

## (a) Volume Commitment Option I

The *QWEST DSL HOST* customer(s) must commit to having a designated number, between 60,001 and 400,000 of active or billable *QWEST DSL* lines by the end of their 36 month Fixed Period Service Rate Plan. The customer must acquire at least 25% of the total committed lines by the end of the first 12 months, 60% of the total committed lines by the end of 24 months, and 100% of the committed lines by the end of their 36 month Fixed Period Service Rate Plan.

- Annual Verification

The Company will annually review the number of active or billable *QWEST DSL* lines to determine whether or not the customer has reached their commitment level for that respective year as determined above. If the customer fails to meet the committed number of active or billable lines, the Company will adjust their billing as follows:

- Shortfall Calculation

The customer will be billed 100% of the total accumulated discount credited plus a 10% surcharge for the year reviewed. The customer will be moved to the Basic Discount Option for the subsequent year at the appropriate percentage determined by the discount table as set forth in H., following. If the 15,000 line minimum level has not been met then the customer's bill will be adjusted as set forth in E., preceding.

Example: A customer has chosen the Volume Commitment Option and has committed to 100,000 lines over the 36 month Fixed Period Service Rate Plan, entitling the customer to a 14% discount on the active month-to-month *QWEST DSL* lines. The commitment would require the customer to have 25,000 active and billable lines at the end of 12 months, 60,000 active and billable lines at the end of 24 months and 100,000 lines active and billable at the end of the 36 month Fixed Period Service Rate Plan.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 4. Termination Liability

## a. QWEST DSL Volume Plan

## (3) Volume Commitment Options

## (a) Volume Commitment Option I (Cont'd)

- The customer has 22,000 *Qwest DSL 640k* lines active and billable at the 12 month review. The customer has not reached the 25,000 line requirement, so they would be moved to the Basic Discount Option at a 12% discount for the subsequent year in lieu of the 14% discount associated with the 100,000 *QWEST DSL* Volume Commitment. The adjustment for month 12 would be calculated as follows:

14% of (22,000 lines X \$29.95 each = \$658,900) = \$92,246  
\$92,246 + \$9,225 (10% Surcharge) =  
\$101,471 for month 12

The above calculation would need to be applied to each of the previous 11 months and totaled with the 12th month to reach the annual adjustment.

- The customer has 27,000 *Qwest DSL 640k* lines active and billable at the 12 month review, but at the 24 month review has 57,000 active and billable lines. The first year would receive the 14% discount since the 25 % commitment level was reached. However, at the end of the 24 month review the customer would be moved to the Basic Discount Option at a 13% discount for the subsequent year in lieu of the 14 % discount associated with the 100,000 *QWEST DSL* Volume Commitment. The adjustment is only for the lines installed during the 2nd year and would be calculated as follows:

14% of (30,000 lines X \$29.95 each = \$898,500) = \$125,790  
\$125,790 + \$12,579 (10% Surcharge) =  
\$138,369 addition to the second year's billing

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

- E. Pricing Plans
- 4. Termination Liability
  - a. QWEST DSL Volume Plan
    - (3) Volume Commitment Options (Cont'd)
    - (b) Volume Commitment Option II

The *QWEST DSL* Volume Plan customer(s) must commit to having a designated number of active or billable *QWEST DSL* lines comprised of *Qwest Choice DSL*, *QWEST DSL SELECT* and/or *Qwest DSL 640k* Services, as set forth below. This Volume Commitment Option II is only available on a 5-year Fixed Period Service Rate Plan. The customer must acquire a minimum of 150,000 active and billable *QWEST DSL* lines at any time during the first year of their 5-year Fixed Period Service Rate Plan. If the customer acquires the minimum of active and billable *QWEST DSL* lines at any time during the first year, there is no minimum requirement for the second year of the Fixed Period Service Rate Plan. The customer must acquire at least 200,001 active and billable *QWEST DSL* lines as of the end of the third, fourth and fifth years.

- Annual Verification

The Company will annually review the number of active or billable *QWEST DSL* lines to determine whether or not the customer has reached their commitment level for that respective year as determined above. If the customer fails to meet the committed number of active or billable lines, the Company will adjust their billing as follows:

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 4. Termination Liability

## a. QWEST DSL Volume Plan

## (3) Volume Commitment Options

## (b) Volume Commitment Option II (Cont'd)

## • Shortfall Calculation

If the customer falls short of their yearly commitment level (150,000 lines by the end of the first year, 200,001 lines as of the end of the third, fourth and fifth years), the customer shall pay an amount equal to the difference between the customer's applicable DSL commitment level and the customer's actual DSL lines multiplied by the applicable monthly rate times 12.

Example: If the customer's active and billable actual DSL lines at the Annual Verification total 195,000, 5,001 short of the 200,001 commitment level, the Shortfall Calculation will be calculated as follows:

Commitment Level of 200,001 lines minus 195,000 (actual lines) = 5,001 line shortfall. Volume Commitment Option II rate (e.g., \$24.86, *Qwest DSL 640k* monthly rate, or the customer's *Qwest DSL 640k* Fixed Period Service Rate minus 17%). 5,001 (Line Shortfall) X \$24.86 X 12 = \$1,491,898.32 Shortfall charge.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## E. Pricing Plans

## 4. Termination Liability

## a. QWEST DSL Volume Plan

## (3) Volume Commitment Options (Cont'd)

## (c) Volume Commitment Option III

The *QWEST DSL* Volume Plan customer(s) must commit to having a designated number of active or billable *QWEST DSL* lines comprised of *Qwest DSL 640k* Service, as set forth below. This Volume Commitment Option III is only available on a 5-year Fixed Period Service Rate Plan. The customer must acquire a minimum of active and billable *QWEST DSL* lines as follows to be eligible for the Volume Commitment Option III:

- 120,000 lines by the end of 18 months
  - 260,000 lines by the end of 30 months
  - 400,000 lines by the end of 42 months
  - 500,000 lines by the end of 54 months
- Annual Verification

The Company will annually review the number of active or billable *QWEST DSL* lines to determine whether or not the customer has reached their commitment level for that respective year as determined above. Should the customer not reach the commitment level, they shall have an additional 180 days to make up the shortfall. If the customer fails to meet the committed number of active or billable lines within the additional 180 days, the Company will adjust their billing as follows:

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

- E. Pricing Plans
- 4. Termination Liability
  - a. QWEST DSL Volume Plan
    - (3) Volume Commitment Options
    - (c) Volume Commitment Option III (Cont'd)

- Shortfall Calculation

If the customer falls short of their yearly commitment levels, the customer shall pay an amount equal to the difference between the customer's applicable DSL commitment level and the customer's actual DSL lines multiplied by the applicable monthly rate times 6. Any lines associated with a shortfall charges shall be recognized for future year(s) commitment levels.

Example: If the customer's active and billable actual DSL lines at the Annual Verification for 30 months, total 195,000, 65,000 short of the 260,000 commitment level, the Shortfall Calculation will be calculated as follows:

Commitment Level of 260,000 lines minus 195,000 (actual lines) = 65,000 line shortfall. Volume Commitment Option III rate (e.g., \$29.95 DSL monthly rate with 24.9% Discount = \$22.49). The formula is as follows: Volume Commitment Rate X 65,000 (Line Shortfall) X 6 = \$8,771,100 Shortfall charge.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE (Cont'd)

## F. Rates and Charges DMT

## QWEST DSL Service

Fixed Period Service Rate Plans for 12, 36, and 60 months are grandfathered as set forth in 8.99, preceding, for *Qwest Choice DSL Deluxe*.

1. DMT QWEST DSL Service Charge,  
per termination

	USOC	NONRECURRING CHARGE	MONTHLY RATE
a. DMT <i>Qwest Choice DSL</i> ,			
• Dedicated connection			
- Monthly	GRLSM	\$99.00	\$15.00
b. DMT <i>Qwest DSL 640k</i> ,			
• Dedicated connection			
- Monthly	GRLAM	99.00	28.00
- 12 Months	GRLA1	99.00	28.00
- 36 Months	GRLA3	99.00	29.95
- 60 Months	GRLA5	99.00	29.95



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## F. Rates and Charges DMT

1. DMT QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
c. DMT Qwest Choice DSL Deluxe,			
• Dedicated connection			
- Monthly	GRLZM	\$99.00	\$28.00
d. DMT Qwest Choice DSL Premier,			
• Dedicated connection			
- Monthly	GRL5M	99.00	38.00
e. DMT QWEST DSL PRO DELUXE,			
• Dedicated connection			
- Monthly	GRLGM	99.00	55.00
- 12 Months	GRLG1	99.00	55.00
- 36 Months	GRLG3	99.00	55.00
- 60 Months	GRLG5	99.00	55.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## F. Rates and Charges DMT

1. DMT QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
f. DMT QWEST DSL PRO 640 KBPS			
• Dedicated connection			
- Monthly	GRLBM	\$99.00	\$66.00
- 12 Months	GRLB1	99.00	64.00
- 36 Months	GRLB3	99.00	62.00
- 60 Months	GRLB5	99.00	60.00
g. DMT QWEST DSL PRO 1 MBPS			
• Dedicated connection			
- Monthly	GRLDM	99.00	88.00
- 12 Months	GRLD1	99.00	84.00
- 36 Months	GRLD3	99.00	80.00
- 60 Months	GRLD5	99.00	76.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## F. Rates and Charges DMT

1. DMT QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
h. DMT QWEST DSL PRO 4 MBPS			
• Dedicated connection			
- Monthly	GRLEM	\$99.00	\$165.00
- 12 Months	GRLE1	99.00	160.00
- 36 Months	GRLE3	99.00	155.00
- 60 Months	GRLE5	99.00	150.00
i. DMT QWEST DSL PRO 7 MBPS			
• Dedicated connection			
- Monthly	GRLFM	99.00	275.00
- 12 Months	GRLF1	99.00	269.00
- 36 Months	GRLF3	99.00	263.00
- 60 Months	GRLF5	99.00	257.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## F. Rates and Charges DMT(Cont'd)

2. DMT Stand Alone *Qwest DSL* Service Charge,  
per termination

	USOC	NONRECURRING CHARGE	MONTHLY RATE
a. DMT Stand Alone <i>Qwest DSL</i> ,			
• Dedicated connection			
- Monthly	GRLZS	\$99.00	\$33.00
b. DMT Stand Alone <i>Qwest DSL Premier</i> ,			
• Dedicated connection			
- Monthly	GRL5S	99.00	43.00
	USOC	NONRECURRING CHARGE	
3. DMT <i>QWEST DSL</i> Change Charge, per order			
• Speed/Destination Channel Change[1]	REAKM	\$9.99	

[1] The Speed/Destination Channel Change Charge will not apply for speed changes when upgrading speeds or changing within DMT *QWEST DSL PRO*.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## G. Rates and Charges CAP[1]

1. CAP QWEST DSL Service Charge,  
per termination

	USOC	NONRECURRING CHARGE	MONTHLY RATE
a. CAP QWEST DSL SELECT,			
• Per session connection			
- Monthly	HRCAM	\$69.00	\$15.00
- 12 Months	HRCA1	69.00	15.00
- 36 Months	HRCA3	69.00	19.95
- 60 Months	HRCA5	69.00	19.95
b. CAP Qwest DSL 640k,			
• Dedicated connection			
- Monthly	HRLAM	69.00	28.00
- 12 Months	HRLA1	69.00	28.00
- 36 Months	HRLA3	69.00	29.95
- 60 Months	HRLA5	69.00	29.95

[1] All CAP QWEST DSL Services are grandfathered as of April 4, 2001, except CAP QWEST DSL SELECT which is grandfathered as of June 14, 2001.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## G. Rates and Charges CAP

1. CAP QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
c. CAP QWEST DSL PRO DELUXE			
• Dedicated connection			
- Monthly	H5LGM	\$69.00	\$55.00
- 12 Months	H5LG1	69.00	55.00
- 36 Months	H5LG3	69.00	55.00
- 60 Months	H5LG5	69.00	55.00
d. CAP QWEST DSL PRO 640 KBPS			
• Dedicated connection			
- Monthly	HRLBM	69.00	66.00
- 12 Months	HRLB1	69.00	64.00
- 36 Months	HRLB3	69.00	62.00
- 60 Months	HRLB5	69.00	60.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## G. Rates and Charges CAP

1. CAP QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
e. CAP QWEST DSL PRO 960 KBPS			
• Dedicated connection			
- Monthly	HRLCM	\$69.00	\$77.00
- 12 Months	HRLC1	69.00	74.00
- 36 Months	HRLC3	69.00	71.00
- 60 Months	HRLC5	69.00	68.00
f. CAP QWEST DSL PRO 1.2 MBPS			
• Dedicated connection			
- Monthly	HRLDM	69.00	88.00
- 12 Months	HRLD1	69.00	84.00
- 36 Months	HRLD3	69.00	80.00
- 60 Months	HRLD5	69.00	76.00

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## G. Rates and Charges CAP

1. CAP QWEST DSL Service Charge,  
per termination (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
g. CAP QWEST DSL PRO 4 MBPS			
• Dedicated connection			
- Monthly	HRLEM	\$69.00	\$165.00
- 12 Months	HRLE1	69.00	160.00
- 36 Months	HRLE3	69.00	155.00
- 60 Months	HRLE5	69.00	150.00
h. CAP QWEST DSL PRO 7 MBPS			
• Dedicated connection			
- Monthly	HRLFM	69.00	275.00
- 12 Months	HRLF1	69.00	269.00
- 36 Months	HRLF3	69.00	263.00
- 60 Months	HRLF5	69.00	257.00



ACCESS SERVICE

8. ADVANCED COMMUNICATIONS NETWORKS

8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

8.99.4 QWEST DSL SERVICE

G. Rates and Charges CAP(Cont'd)

	USOC	NONRECURRING CHARGE
2. CAP QWEST DSL Change Charge, [1] per order		
• Destination Channel Change[2]	REAKM	\$9.99

[1] All CAP QWEST DSL Services are grandfathered as of April 4, 2001, except CAP QWEST DSL SELECT which is grandfathered as of June 14, 2001.

[2] The Destination Channel Change Charge will not apply for CAP QWEST DSL PRO.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## H. QWEST DSL Volume Plan

The following discount percentages apply to the respective month-to-month recurring rate for the *QWEST DSL* service available to the option chosen by the customer as set forth in E., preceding.

TOTAL DSL ACTIVE PORTS IN SERVICE	DISCOUNT % OF MONTHLY RATE
• Starter Option[1]	
- 0 to 2,499	0%
- 2,500 to 4,999	2%
- 5,000 to 9,999	4%
- 10,000 to 14,999	7%
- 15,000 to 29,999	11%
• Basic Discount Option[1]	
- Up to 15,000	11%
- 15,001 to 30,000	12%
- 30,001 to 60,000	13%
- 60,001 to 120,000	14%
- 120,001 to 200,000	15%
- 200,001 to 400,000	17%
• Volume Commitment Option I[2]	
- 60,001 to 120,000	14%
- 120,001 to 200,000	15%
- 200,001 to 400,000	17%

[1] The nonrecurring charge associated with all Starter Option and Basic Discount Option *QWEST DSL* lines will be waived when the service is connected. However, for each *QWEST DSL* line that disconnects without being in service for at least 12 months, a nonrecurring charge will be assessed as set forth in E., preceding.

[2] The nonrecurring rates for *QWEST DSL* service as set forth in F., preceding, will apply to this Plan, but not at a discounted rate.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## H. QWEST DSL Volume Plan(Cont'd)

TOTAL DSL ACTIVE PORTS IN SERVICE	DISCOUNT % OF MONTHLY RATE
• Volume Commitment Option II[1]	
- 1 and greater:	
<i>Qwest Choice DSL</i>	25%
<i>QWEST DSL SELECT</i>	17%
<i>Qwest DSL 640k</i>	17%
- 1 and greater[2]:	
<i>Qwest Choice DSL</i>	32%
<i>QWEST DSL SELECT</i>	25%
<i>Qwest DSL 640k</i>	25%
• Volume Commitment Option III[3]	
- Up to 120,000 – 18 months	24.9%
- Up to 260,000 – 30 months	24.9%
- Up to 400,000 – 42 months	24.9%
- Up to 500,000 – 54 months	24.9%

[1] The nonrecurring rates for *QWEST DSL* service as set forth in F., preceding, will not apply to this Plan.

[2] Applies only to years 4 and 5 of the Plan once the customer has paid the Company for 4 million months of service.

[3] Volume Commitment Option III has an Activation Fee of \$35.00 per end user subscriber line, in lieu of the nonrecurring rates set forth in F., preceding. This fee will be waived if the Company fails to activate service by Due Date.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## H. QWEST DSL Volume Plan(Cont'd)

TOTAL DSL ACTIVE PORTS IN SERVICE	DISCOUNT % OF MONTHLY RATE
• Volume Commitment Option IV[1]	
- 0 - 4,999	1%
- 5,000 - 9,999	2.5%
- 10,000 - 14,999	5%
- 15,000 - 24,999	10%
- 25,000 +	19.65%

[1] Customers who choose Volume Commitment Option IV and add new subscribers will be billed the Activation Fee that was associated with their original Volume Plan.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## I. QWEST DSL HOST

## 1. QWEST DSL HOST Access Link

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• 1.544 Mbps	N/A	[1]	[1]
• 44.736 Mbps	N/A	[2]	[2]
• 155.52 Mbps	N/A	[2]	[2]

## 2. QWEST DSL HOST Port (BSE)

## 1.5 Mbps, per Port

• Monthly	HPRGM	\$500.00	\$910.00
• 12 Months	HPRG1	500.00	455.00
• 36 Months	HPRG3	500.00	409.50
• 60 Months	HPRG5	500.00	364.00

## IMA Ports, per Port

• 3 Mbps	-	[3]	[3]
• 4.6 Mbps	-	[3]	[3]
• 6.1 Mbps	-	[3]	[3]
• 7.7 Mbps	-	[3]	[3]
• 9.2 Mbps	-	[3]	[3]
• 10.7 Mbps	-	[3]	[3]
• 12.3 Mbps	-	[3]	[3]

- [1] DS1 Service Channel Termination rates and charges are as set forth in Sections 7 and 17.
- [2] ATM Optical Access Link rates and charges are as set forth in 8.5.5, following and DS3 Service Channel Termination rates and charges are as set forth in Sections 7 and 17.
- [3] See ATM Service Rates and Charges, IMA Ports, per port as set forth in 8.5.5, following.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

1. QWEST DSL HOST
2. QWEST DSL HOST Port (BSE)(Cont'd)

44.736 Mbps, per Port

A minimum of one 3 Mbps Bandwidth increment applies for each 44.736 Mbps QWEST DSL HOST Port. The nonrecurring charge includes the installation of the Bandwidth increment(s) installed at the same time as the QWEST DSL HOST Port.

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Monthly	HPRKM	\$200.00	\$600.00
• 12 Months	HPRK1	200.00	570.00
- Vintage 9/07/99 through 1/28/02			418.00
• 36 Months	HPRK3	200.00	510.00
- Vintage[1] 9/07/99 through 1/28/02			407.00
• 60 Months	HPRK5	200.00	480.00
- Vintage 9/07/99 through 1/28/02			396.00
155.52 Mbps, per Port		[1]	[1]

[1] See ATM Service Fixed Rate, per Port, 155.52 Mbps, 8.5.5, following.

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## I. QWEST DSL HOST(Cont'd)

## 3. QWEST DSL HOST Bandwidth

Applicable only to the 44.736 Mbps QWEST DSL HOST Port or ATM Port used in lieu of a QWEST DSL HOST Port. A minimum of one increment applies for each 44.736 Mbps QWEST DSL HOST Port or ATM Port used in lieu of a QWEST DSL HOST Port.

- a. Each 3 Mbps Increment,  
up to 44.736 Mbps, per increment

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Monthly	HB1HM	—	\$478.00
• 12 Months	HB1H1	—	239.00
• 36 Months	HB1H3	—	232.00
• 60 Months	HB1H5	—	227.00

- b. QWEST DSL HOST Port Bandwidth  
Change Charge

• 3 to 45 Mbps port speed bandwidth change, per speed change	REAKN	\$100.00	—
--	-------	----------	---

## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE

## I. QWEST DSL HOST(Cont'd)

## 4. QWEST DSL HOST Central Office Connecting Channel (COCC)

	NONRECURRING CHARGE	MONTHLY RATE
• Per connection	[1]	[1]

[1] COCC rates and charges are as set forth in Sections 7 and 17.



## ACCESS SERVICE

## 8. ADVANCED COMMUNICATIONS NETWORKS

## 8.99 GRANDFATHERED ADVANCED COMMUNICATIONS NETWORKS SERVICES

## 8.99.4 QWEST DSL SERVICE(Cont'd)

## J. QWEST DSL Service

1. Channel Termination,  
per termination

	USOC	MONTHLY RATE	NONRECURRING CHARGE
• Monthly	T8XYX	\$69.95	\$250.00
• 12 Months	T8XY1	69.95	250.00
• 36 Months	T8XY3	65.95	250.00
• 60 Months	T8XY5	59.95	250.00
2. Speed Change Charge, per order	REALY	—	30.00